

30th November, 2023

To,
The Director
Regional Office (West Central Zone),
Ministry of Environment, Forest and Climate Change,
Ground Floor, East wing,
New Secretariat Building,
Civil lane, Nagpur-440001

Subject: Half-yearly Compliance Report:

April 2023 to September 2023

Project PNP Maritime Services Private Limited.

Construction of minor jetty at Dharmatar creek, Project at

District Raigad.

EC No. F. No.10-70/2016 - IA - III on dated 20.08.2020

Dear Sir,

We are submitting a half-yearly Compliance Report (hard & soft copy) in respect of the stipulated terms and conditions of 'Prior Environmental Clearance' as specified in 'Environment Clearance' Notification Clause No. 10 (ii).

Thanking you, Yours faithfully,

For PNP Maritime Services Private Limited.

Project Proponent

Enclosure:

A hard copy of the compliance and monitoring report

CC copy to: 1. Regional officer, Maharashtra Pollution Control Board, S.R.O. Raigad I

> Member Secretary, Maharashtra Pollution Control Board, Sion, Mumbai

 Member Secretary, State Environmental Impact Assessment Authority, Govt. of Maharashtra, Mumbai

PNP MARITIME SERVICES PVT. LTD.

Regd. Office: A-5, Ionic, 18, Arthur Bunder Road, Colebe, Mumbai 400 DC5, India.

Admin. Office: 2nd Floor, Lanedowne House, Mahakavi Bhushan Road, Colebe, Mumbai 400 DC1.

Tel.: 2289 4536/37/38/39/40 Fax: 2288 4535

Port Office: PNP Port Cheramter at Shehebej, Dist. Reiged. Tel.: +91-2143-320768.

Website: www.pnpport.com CIN: U63090MH1999PTC121461

M/s PNP Maritime Services Pvt. Ltd.

Environmental Clearance Compliance Report

April 2023 to September 2023

"PNP Port"

Gut No. 346, Dharamtar Creek, Village Shahbaj, District Raigad

(Environmental Clearance Letter No. F. No, 10-70/2016-IA-III Dated 20.08.2020)



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COMPLIANCE STATUS OF EC CONDITIONS

Environment Clearance F. No, 10-70/2016-IA-III Dated 20.08.2020

No	20.08.2020 Condition	Compliance		Р
	SPECIFIC CONDITIONS:	-		
(i)	The Environmental and CRZ Clearance to the project is primarily under provisions of EIA Notification, 2006 and CRZ Notification, 2011. It does not tantamount to approvals/consent /permissions etc. required to be obtained under any other Act/Rule/regulation The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.	MCZMA has recommended the project for CRZ Clearance vide Letter No. CRZ-2017/CR- 323/TC4 dated 24 January,2019		
(ii)	The project proponent shall abide by all the commitments and recommendations made in the Form-II, EIA and EMP report, submissions made during Public Hearing and also that have been made during their presentation to EAC.	PP agrees with the condition		
(iii)	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Local and central rules and regulations including those under CRZ Notification 1991 and its amendments have been followed during construction and operation phase		
(iv)	All the recommendations and conditions specified by the Maharashtra State Coastal Zone Management Authority (MCZMA) vide letter No. CRZ-2017/CR-323/TC 4 dated 24 January, 2019 shall be complied with.	PP will comply with the condition		
(v)	The project proponent shall comply with the air pollution mitigation measures as submitted.	Regular monitoring has been carried out by a MoEF&CC recognized laboratory. The monitoring report has been attached.	√	
(vi)	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained. Creek water monitoring program shall be implemented during the construction phase.	No creeks or rivers are blocked due to any activities at the project site. Regular monitoring is being carried out by a MoEF&CC recognized laboratory. The monitoring report has	✓	
(vii)	No underwater blasting is permitted.	been attached. PP agrees with the condition		
(۷11)	ino underwater biasting is permitted.	rr agrees with the condition		

(viii)	Dredging shall not be carried out during the fish breeding season. Dredging, etc. shall be carried out in confined manner to reduce the impacts on marine environment. As committed, Silt curtains shall be used to minimize spreading of silt plume during dredging operation. Turbidity should be monitored during the dredging. No removal of silt curtain unless baseline values are achieved.	No dredging is carried out during the fish breeding season. All measures will be taken to reduce the impacts on marine environment Regular monitoring has been carried out by a MoEF&CC recognized laboratory. The monitoring report has been attached.	✓	
(ix)	Wherever possible, dredged material shall be used for bank nourishment. Otherwise, deposit the dredged material within the port premises in non-CRZ areas for land development in a manner that it does not enter the channel. With the enhanced quantities, the impact of dumping on the estuarine environment should be studied and necessary measures shall be taken on priority basis if any adverse impact is observed.	Dredged material will be used for land development with all necessary measures for adverse impact		
(x)	An independent monitoring be carried out by any Government Agency/Institute to evaluate the impact during dredging. Impact of dredged material on estuarine environment along with shore line changes should be studied by the PP and necessary mitigation measures be taken in case any adverse impact is observes. The details shall be submitted along with the six-monthly monitoring report.	PP agrees with the condition. Regular monitoring has been carried out by a MoEF&CC recognized laboratory. The six-monthly monitoring report is attached.	√	
(xi)	Marine ecological studies and its mitigation measures for protection of phytoplankton, zooplanktons, macrobenthos, estuaries, seagrass, algae, sea weeds, Crustaceans, Fishes, coral reefs and mangroves etc. as given in the EIA-EMP Report shall be complied with in letter and spirit	PP will comply with the condition		
(xii)	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity	PP agrees with the condition Marine ecology will be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity		
(xiii)	A copy of the Marine and riparian biodiversity management plan duly validated by the	Noted		

	State Biodiversity Board shall be obtained and implement in letter and spirit.	
(xiv)	The fresh water requirement of 58 KLD shall be met from MIDC water supply scheme.	PP agrees with the condition.
(xv)	Sewage generated will be treated in STP of 50 KLD capacity. The treated water will be used for flushing, gardening and dust suppression within the port premises.	PP will comply with the condition
(xvi)	A continuous monitoring programmed covering all the seasons on various aspects of the estuarine environs need to be undertaken by a competent organization available in the State or by entrusting to the National Institutes/renowned Universities/accredited Consultant with rich experiences in marine science aspects. The monitoring should cover various physiochemical parameters along with pH coupled with biological indices such as microbes, plankton, benthos and fishes on a periodic basis during construction and operation phase of the project. Any deviations in the parameters shall be given adequate care with suitable measures to conserve the marine environment and its resources.	PP agrees with the condition.
(xvii)	Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance report to the regional office of MoEF&CC.	PP agrees with the condition. Regular monitoring has been carried out by a MoEF recognized laboratory. The monitoring report has been attached.
(xviii)	The material recovered from the cutting activity shall be used for filling low-lying areas within the project boundaries. The actions shall be in accordance with proposed landscape planning concepts to minimize major landscape changes. The change in land use pattern shall be limited to the proposed port limits and be carried out in such a way as to ensure proper drainage by providing surface drainage systems including storm water network.	The material will be stored
(xix)	Suitable preventive measures be taken to trap spillage of fuel / engine oil and lubricants from the construction site. Measures should be taken to contain, control and recover the accidental spills of fuel during cargo handling.	PP will comply with the condition
(xx)	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	PP will comply with the condition

(xxi)	Necessary arrangement for general safety	PP agreed with the condition
(AAI)	and occupational health of people should be done in letter and spirit.	agreed mar the condition
(xxii)	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.	PP has submitted half yearly compliance report
(xxiii)	The company shall draw up and implement Corporate Social Responsibility Plan as per the Company's Act of 2013.	PP will comply with the condition
(xxiv)	As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 01 May, 2018, project proponent has proposed that an amount of Rs. 2.65 Crores (0.25% of the project cost) shall be earmarked under Corporate Environment Responsibility (CER) Plan for the activities such as Health, Water supply, Sanitation, Road development, Solar lights in nearby areas and Education etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.	Noted
B.	Standard Conditions:	
I.	Statutory compliance:	
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	Noted
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. No dredging is allowed in protected habitat areas without prior permission from NBWL.	Noted
(iii)	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan I Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-! species in the study area).	Noted

			- 1	
(iv)	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	PP agrees with the condition		
(v)	All the recommendations and conditions specified by State Coastal Zone Management Authority for the project shall be complied with.	PP will comply with condition		
(vi)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Consent to operate vide Consent no. BO/MPCB/RO/(HQ)/RD3231- 16/CR/B-3912 dated: 19.03.2016 has been obtained from MPCB and Consent to Establish for expansion vide Consent no. Format 1.0/CAC/UAN No. 0000105351/CE- 2107000798 dated 14.07.2021 has been obtained from MPCB.	~	
(vii)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water I from the competent authority concerned in case of drawl of surface water required for the project.	Noted		
(viii)	All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction	Noted		
(ix)	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Noted		
(x)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted		
II.	Air quality monitoring and preservation:			
(i)	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM 2 .5 in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the project	PP agrees with the condition. Regular monitoring has been carried out by a MoEF recognized laboratory.		

	area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions	The monitoring report has been attached.
(ii)	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.	PP agrees with the condition.
(iii)	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.	PP will comply with the condition.
(iv)	Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.	PP will comply with the condition
(v)	The Vessels shall comply the emission norms prescribed from time to time.	Noted
(vi)	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low Sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	DG set will used enclosed type and will be used only in case of power failure.
(vii)	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Noted

III	Water quality monitoring and preservation:	
(i)	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	No creeks or rivers are blocked due to any activities at the project site
(ii)	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.	PP agree with the condition
(iii)	No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.	10 KLD STP provided as per earlier EC, Now PP has proposed 50 KLD STP for proposed expansion
(iv)	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Noted
(v)	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.	PP will comply with the condition
(vi)	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	PP will comply with the condition
(vii)	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Noted
(viii)	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.	PP will comply with the condition.
(ix)	A certificate from the competent authority for discharging treated effluent! untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained	Noted
(x)	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	Noted
(xi)	All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary	PP will comply with the condition

	line from the land area into the marine water			
IV	Noise monitoring and prevention:			
()	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Regular monitoring has been carried out by a MoEF&CC recognized laboratory. The monitoring report has been attached.	*	
(ii)	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment's.	The ambient noise levels will be monitored. Construction activities will not be carried out during night time. Efforts will be taken to reduce noise levels during construction phase.		
(iii)	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Regular monitoring has been carried out by a MoEF&CC recognized laboratory. The monitoring report has been attached.		
(iv)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	The ambient noise levels will be monitored. Construction activities will not be carried out during night time. Efforts will be taken to reduce noise levels during construction phase.		
V	Energy Conservation measures:			
(i)	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	PP agree with the condition		
(ii)	Provide LED lights in their offices and residential areas.	PP will comply with the condition		
VI	Waste management:			
(i)	Dredged material shall be disposed safely in the designated areas.	PP will comply with the condition		
(ii)	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six-monthly monitoring report.	Noted		
(iii)	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986	PP agrees with the condition		

(iv)	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	PP agrees with the condition	
(v)	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	PP agrees with the condition	
(vi)	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.	Noted	
(vii)	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Noted	
(viii)	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.	Noted	
VII	Green Belt:		
(i)	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Plantation will be done as per CPCB guidelines	
(ii)	Top soil shall be separately stored and used in the development of green belt.	Top soil will be stored and will be used for the green belt development	
VIII	Marine Ecology:		
(i)	Dredging shall not be carried out during the fish breeding and spawning seasons.	Noted	
(ii)	Dredging, etc. shall be carried out in the confined manner to reduce the impacts on marine environment.	PP agrees with the condition	
(iii)	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	Noted	
(iv)	While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.	Regular monitoring has been carried out by a MoEF&CC recognized laboratory. The monitoring report has been attached	

(v)	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.	Noted
(vi)	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity	Noted
(vii)	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.	Noted
IX	Public hearing and Human health issues:	
(i)	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable	PP will comply with the condition
1	levels of pollutants including VOCs.	
(ii)	levels of pollutants including VOCs. Workers shall be strictly enforced to wear personal protective equipment's like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special viscoelastic gloves will be used by labour exposed to hazards from vibration.	PP agrees with condition
(ii)	Workers shall be strictly enforced to wear personal protective equipment's like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special viscoelastic gloves will be used by labour exposed	PP agrees with condition PP will comply with the condition

	and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.	
(v)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted
(vi)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	PP agrees with the condition
(vii)	Occupational health surveillance of the workers shall be done on a regular basis.	PP will comply with the condition
X	Corporate Environment Responsibility:	
(i)	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of sixmonthly report.	Noted
(ii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	PP has made provision for environment management cell with qualified staff for the implementation of the stipulated environmental safeguards.
(iii)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	Noted

(iv)	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted
XI.	Miscellaneous:	
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	PP will comply with the condition
(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Noted
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted
(iv)	The project proponent shall submit sixmonthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Compliance report for the period of April 2023 to September 2023 is currently being submitted. The half yearly compliance report to MPCB regularly submitted.
(v)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company	Noted
(vi)	The criteria pollutant levels namely; $PM_{2.5}$, PM_{10} , SO_2 , NO_{\times} (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Noted and PP will be complied with.
(vii)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted

(viii)	The project authorities must strictly adhere	Noted
	to the stipulations made by the State Pollution Control Board and the State Government.	
(ix)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted
(x)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	PP understand the issue and shall be abided accordingly.
(xi)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
(xii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
(xiii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	PP have cooperated with the officials for requisite data/Information/monitoring reports
(xiv)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 197 4, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter	Noted. The provisions of the approved Coastal Zone Management Plan of Maharashtra and the Supreme Court's order have been complied with.
(xv)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
8	This issues with the approval of the Competent Authority.	Noted

CONDITIONS OF CONSENT TO ESTABLISH EXPANSION

Consent to Establish Expansion vide file no.: Format1.0/CC/UAN No.0000105351/CE-2107000798 dated 14.07.2021

Sr.			Cond	itions			Compliance	P
1.	period	d up to		olish is gra oning of ur ier			Noted.	
2.	1061. submi	56 Critted by	rs. (As _l industry	nt of the pr per C.A Existing C ease in CI-	е 1	C.A Certificate was submitted to the MPCB.		
3.	Conse	nt is va	lid for ha	indling of:			Noted.	
	Sr. Product name Maximum UOM Quantity							
	Produ							
		handlin Coal, Bulk Break cargo, commo Clinker Dolom Limest Pyroxe ore Slag, Phosph Bauxit Coils, Timber Mill Cotton cargo Hazaro	ng of Sulphur, Cargo, Bulk Agro odities, r, ite, cone, enite, Iron Cement, Rock nate, e, Steel Bitumen, r, Tiles, Scales, i, Liquid (non- dous) and		MT/A			
		Port Indust	Based ries etc.	1				
		ions un rge of ef		r (P&CP), 1	974 Act fo	r	The 31 m ³ /day of sewage generated will be treated in Sewage Treatment Plant	
	Sr. No.	Desc riptio n	Permi tted (in CMD)	Standard to	Disposal Path		of 50 m ³ /day capacity.	
	1	Trade efflue nt	0	As per Schedule- I	Not Applicable			
	2	Dome stic Efflue nt	31	As per Schedule- I	On land for gardening			

5.	Condit emissi	ions unde	er Air (F	P& CP)	Act, 1	.98	1 for air	Acoustic enclosure provided	
	Sr. No.	Stack No.	Description of Stack/source	of S	mber Standar Stack d to be achieve d		to be		
	1	S-1	DG se [80 kVA	_			per chedule		
	2	S-2	DG se [500 kVA]	et 1	-I As So -I		per chedule		
	3	S-3	DG se [160 kVA]	et 1	As		per chedule		
	4	S-4	DG se [30 kVA	-		As	per chedule		
	5	S-5	DG se [2000 kVA]	et 1	L		per chedule		
	6	1		,	1				
6.	Non-H	azardous	Wastes:		Biodegradable waste will be composted and used as				
	Sr. No.	Type of Waste	Qua ntit y	UoM	Treat		Dispo sal	manure. Non- biodegradable waste will sell to authorized party	
	1	Biodeg radable waste	89	Kg/d ay	Comp sting	00	Used as manur e		
	2	Non- Biodeg radable waste	59	Kg/d ay	Sale		Sale to author ized party		
7.	(M&TN	ions und 1) Rules 2 dous waste	016 for						
	Sr. No.	Catego ry No./ Type	Qua ntit y	UoM	Treat ment		Dispos al		
	1	5.2 Wastes or residues containi ng oil	500	MT/ A	Sale to authorized preprocess or/Ch		Sale to authori zed preproc essor/C HWTSD F		

	WTS DF	
8.	The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.	Noted
9.	This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.	Noted
10.	This consent is issued pursuant to the decision of the 23 rd Consent Appraisal committee Meeting held on 17.03.2021	Noted
11.	The applicant shall comply with the conditions of the Environment Clearance granted by MoEF, GOI vide letter No. J-16011/38/2001-IA-III dated 06.10.2003	PP complies with the condition
12.	The applicant shall comply with the conditions of the Environment Clearance granted by MoEF, GOI vide letter No. F. No. 10-70/2016-IA-III dated 20.08.2020	PP complies with the condition
13.	The applicant shall submit Environment management Plan in the Board.	PP has submitted EMP.
14.	The applicant shall submit BG of Rs. 25 Lakhs towards compliances of consent conditions and Environment Clearances conditions.	PP has submitted BG of Rs. 25 lakhs
15.	The waste generated due to proposed activity should no be disposed off in CRZ area,	Waste generated will sold to authorized party
16.	No chemical products should be stored in the CRZ area except those permissible as per annexure of the CRZ Notification -2011 and Amendments in thereto	Noted
17.	The applicant shall prepare disaster management plan and shall be updated time to tome	PP will comply with the condition
18.	The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual Commencement of the Unit/ Activity. (Establish)	Noted

 $\label{eq:SCHEDULE-I} \underline{\mbox{SCHEDULE-I}}$ Terms & conditions for compliance of Water Pollution Control

Sr.			onditions		Compliance	ТП	Р
1.	treate B] Tre	eneration- As	s per your appl neration is Nil.	ication the	Not Applicable		•
2.	Sewag 50 Cl sewag B] Th treatn	ge Treatment MD for the ge. he application nent system	olication, you have Plant of designer treatment of 3 shall operate to treat the sewang standards.	Noted			
	Sr. Paramete Standards No rs						
	1	рН	Not to exceed	5.5-9.0			
	2	BOD	Not to exceed	10			
	3	COD	Not to exceed	50			
	4	TSS	Not to exceed	20			
	5	NH4 N	Not to exceed	5			
	6	N-total	Not to exceed	10			
	7	Fecal Coliform	Not to exceed	Less than 100			
3.	secon and re garde above its v premi The B specif setup purific dispos conne condit conse the U	dary purpose emaining sha ning within e standards. I way for gases. To ard reserve ications or of the treat sal of sewage ection with the solunit or estation of the Boaunit or estations.	ewage shall be rest to the maximal be discharged premise after no case, sewagerdening/ outsides its rights to resther data relatingment of waterwoof & the system of a trade effliche grant of a pplicant shall or to take steps to blish any treatment of the system of the grant of a policant shall or the steps to blish any treatment or an extension	Noted			

	T · ·	1 1 11		Ι	<u> </u>	
4.	pollution of its exposor so as to standards	control system or ected life as defir o ensure the c and safety of the	re replacement of its part after expiry ned by manufacture compliance of the experation thereof.	Agreed		
5.	of the Wat Act, 1974	ter (Prevention & and as amended	with the provisions Control of Pollution) , by installing water s as contained in the	Agreed		
	Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)			
	1.	Industrial Cooling, spraying in mine pits or boiler feed	40.00			
	2.	Domestic purpose	33.00			
	3. Processing whereby water gets polluted & pollutants are easily biodegradable 4. Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic		0.00			
			0.00			
	5.	Gardening	0			
6.	Pollution of EP Act from ti	control system as		STP of 50 m ³ /day proposed to provide on the site.		

 $\underline{\text{SCHEDULE-II}}$ Terms & conditions for compliance of Air Pollution Control

Sr.				nditio					Compliance	Р
1.	polluti	your ap on con ng stacl n:	trol (A	APC) s	ystem	an	d e	rected		
	Sta ck No.	Stac k Attac hed To	APC Syst em	Heig ht In Mtrs	Typ e of Fue I	s %	Po Ilu ta nt	St an da rd		
	S-1	DG set [80 kVA]	Acou stic Encl osur e	3.0	Die sel 6.2 5 Kg/ HR	1	SO 2	3. 0 kG /d ay		
					IIK		Ot he r	-		
							Ot he r	-		
	S-2	DG set [500 kVA]	Acou stic Encl osur e	5.0	Die sel 41. 66 Kg/ HR	1	SO 2	19 .9 9 kG /d ay		
							Ot he r	-		
							Ot he r	-		
	S-3	DG set [160 kVA]	Acou stic Encl osur e	3.0	Die sel 12. 5 Kg/	1	SO 2	6. 0 kg. /d ay		
					HR		Ot he r	-		
							Ot he	-		

					1		1				-	
							r					
	S-4	DG set [30 kVA]	Acou stic Encl osur e	3.0	Die sel 2.0 8 Kg/ HR	1	SO 2	1. 0 kg s./ da y				
							Ot he r	-				
							Ot he r	-				
	S-5	DG set [2000 kVA]	Acou stic Encl osur e	5.0	Die sel 400 Kg/ HR	1	SO 2	19 2k G/ da y				
							Ot he r	-				
							Ot he r	-				
2.	contro 1986 a	pplicant I equipm and rule nmental	nent's as made th	s per th nere un	e cond der fro	lition m tii	s of E ne to	P Act,	PP agrees condition.	with	the	
3.	The permis equipr operat alterna	Applican ssion f ment w tion the ation we	t shal or pro ith ne reof or ell befor	l obta oviding cessary altera e its lif	ain no add spection of tion of	ecessitiona cifica r re ne to	sary al c ations place an e	ment/ end or	PP agrees condition.	with	the	
4.	erection or new pollution control equipment. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment other in whole or in part in necessary)								Noted			
5.	The trucks will be covered with tarpaulin sheets to prevent coal from spilling/ creating ai pollution nuisance during coal transportation.								PP agrees condition.	with	the	
6.	To micargos convey mover 2]Gral provid	tigate the such as yor systement be or unload ed to reuring car	ne dust s coal 1 em sha tween t lers or educe (emiss] Mix of all be the bar clamp s dust, s	ion du truck consid ges to shell b pillage	movered stood	rement for orage ets sh	nt and cargo area. all be	PP agrees condition.	with	the	

7.	During cargo handling the dust shall be controlled by using water foggers. Wind screens shall be used to reduce fugitive emission, stock piles, excavated earthen material etc. shall be managed with water sprinkling to avoid dust being airborne from the specific site.	PP agrees condition.	with	the	
8.	PP shall implement Traffic Management plan and recommendations as per the PNP Port Expansion Traffic Impact Study of October 2018	Noted			
9.	The PP shall ensure that fugitive emission from the activity is control so as to maintain clean and safe environment in and around the port premises.	PP agrees condition.	with	the	
10.	All entry point, internal roads and loading/ unloading area must be road worthy for movement of heavy vehicles by using low permeability material (Concrete or bitumen) and be cleaned regularly to minimize potential for dust generation and off-site impact.	PP agrees condition.	with	the	
11.	PP shall implement Traffic Management Study Report of October 2018	PP agrees condition.	with	the	
12.	The Coal from jetty shall be removed using close system to control dust/fugitive emissions and shall meet the standards that may be prescribed. The side wall of 5-meter height shall be provided and for the dust suppression, water sprinkling arrangement of water pressure of minimum 4 Kg/cm shall be maintained during lading of coal on trucks at coal storage yard. The entire operation of coal handling shall be done with operating dust and wind suppression equipment's and monitoring of ambient air quality as per guidelines of the board. The handling of coal shall be done as per the Environmentally Sound management. The qty of coal to be handled will be assessed based on the stockyard size, maximum permissible safe height, dwell time, mode of evacuation and the capacity of roads to evacuate the traffic induced. PP shall submit designed details of pollution control system proposed for coal.	PP agrees condition.	with	the	
13.	PP shall achieve the National Ambient Air Quality Standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated	Noted			
	18.11.2009 as amended				

SCHEDULE-III

Details of Bank Guarantees:

Sr.	Consent (C2E/C2 O/C2R)	Amt of BG Imposed	Submissi on Period	Purpose of BG	Complian ce Period	Validity Date	Complian ce
1	Consent to Establish for expansion ie Handling of additional cargoes from 5 MTPA capacity to 19 MTPA capacity	Rs.25 lakh	15 Days	Towards O and M of pollution control system Complianc e consent conditions & Conditions of EC.	Continuou s	30/04/20 26	The BG in Format required by MPCB was submitted

BG Forfeiture History

Sr.	Consent (C2E/C2O/	Amt of BG Imposed	Submissio n Period	Purpose of BG	Amount of BG	Reason of BG				
	C2R)				Forfeiture	Forfeiture				
NA										

BG Return Details

Sr.	Consent (C2E/C2O/C2R)	BG Imposed	Submission Period	Purpose of BG	Amount of BG Returned						
	NA										

SCHEDULE-IV

Sr.	Conditions	Compliance	P
	General Conditions	_	
1.	The Energy source for lighting purpose shall preferably be LED based	Yes, LED lighting is being provided.	
2.	The PP shall harvest rainwater from roof tops of the building and Storm water drains to the recharge the ground water and utilize the same for	Rainwater harvesting system has been provided	
	different industrial applications within the plant		
3.	different industrial applications within the plant Conditions for D.G Set a) Noise from the D.G Set Should be controlled by providing an acoustic enclosure or by treating the room acoustically. b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 db(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 db(A) shall be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average. c) Industry should make efforts to bring down noise level due to D.G set, outside industrial premises, within ambient noise requirement by proper sitting and control measures. d) Installation of D.G Set must be strictly in compliance with recommendations of D.G Set manufacturer. e) A proper routine and preventive maintenance procedure for D.G set should set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use. f) DG Set shall be operated only in case of power failure. g) The application should not cause any nuisance in the surrounding area due to operation of D.G Set. h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second	Acoustic enclosers have been provided to the D.G Sets. D.G Sets installed are strictly in compliance with recommendations of D.G Set manufacturer DG Set will be operated only in case of power failure.	
	Amendment Rules vide GSR 371 (E) dated 17.05.2002 and its amendments regarding		
	noise limit for generator sets run with diesel.		
4.	The applicant shall maintain good housekeeping.	Proper housekeeping practices are followed.	
5.	The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of	Noted and is being	

_			1
	scientifically so as not to cause any nuisance/		
	pollution. The applicant shall take necessary		
	permissions from civic authorities for disposal of		
	solid waste.		
6.	The applicant shall not change or alter the	No changes in	
	quantity, the rate of discharge, temperature or the	emissions/effluent will be	
	mode of the effluent/emissions or hazardous	brought about without	
	wastes or control equipment provided for without	requisite permissions.	
	previous written permission of the Board. The		
	industry will not carry out any activity, for which		
	this consent has not been granted/without prior		
	consent of the Board.		
7.	The industry shall ensure that fugitive emissions	Noted and is being	
	from the activity are controlled so as to maintain	complied with.	
	clean and safe environment in and around the		
	factory premises.	Agus ad and will !	
8.	The industry shall submit quarterly statement in	Agreed and will be	
	respect of industries obligations towards consent	complied with.	
	and pollution control compliance duly supported		
	with documentary evidences (format can be		
9.	downloaded from MPCB official site) The industry shall submit official e-mail address	Noted	
J.	and any change will be duly informed to MPCB.	NOLEU	
10.	The industry shall achieve the National Ambient Air	Air sampling and testing is	
10.	Quality Standards prescribed vide Government of	carried out by a MoEF&CC	
	India, Notification No. B-29016/20/90/PCI-L dated	approved lab.	
	18.11.2009 as amended.	approved lab.	
	1011112005 d5 differracal	The parameters are within	
		the prescribed limits.	
		and presented immest	
		Copy of monitoring report	
		has been attached.	
11.	The Board reserves its rights to review plans,	Noted	
	specifications or other data relating to plant setup		
	for the treatment of waterworks for the purification		
	thereof & the system for the disposal of sewage or		
	trade effluent or in connection with the grant of		
	any consent conditions. The Applicant shall obtain		
	prior consent of the Board to take steps to		
	establish the unit or establish any treatment and		
	disposal system or an extension or addition		
	thereto.		
12.	The industry shall ensure replacement of pollution	Agreed	
	control system or its parts after expiry of its		
	expected life as defined by manufacturer so as to		
	ensure the compliance of standards and safety of		
	the operation thereof.		
13.	The PP shall provide personal protection	Personal Protection	
	equipment as per norms of the Factory Act	Equipment's are provided	
		to the workers wherever	
		required.	
14.	Industry should monitor effluent quality, stack	Regular air quality	✓
	emissions and ambient air quality	monitoring has been	
	monthly/quarterly.	carried out by MoEF&CC	
		approved lab.	

		Copy of monitoring report	
		has been attached.	
15.	Whenever due to any accident or other unforeseen act or even emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In ae of failure of pollution control equipment, the production process connected to it shall be stopped.	Agreed	
16.	The applicant shall provide an alternate electric	D.G set has been provided	
	power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, consent	on the site for back up in case of power failure.	
17.	The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M& TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for landfilling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.	Agreed	
18.	An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.	Agreed. Inspection book will be made available to the Board's officer during the site visit.	
19.	Industry shall strictly comply with water (P&PC) Act, 1974, Air (P&CP) Act 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).	PP will comply with water (P&PC) Act, 1974, Air (P&CP) Act 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986	
20.	Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.	Separate drainage system has been provided and no external effluent is admitted into the collection system	
21.	Neither storm water nor discharge from other premises shall be allowed to mix the effluent from the factory.	Wastewater and storm water are not allowed to mix with the effluent.	
22.	The industry should not cause any nuisance in surrounding area.	Agreed. The industry will not cause any nuisance in surrounding area.	
23.	The industry shall take adequate measure for control of noise levels from its own sources within the premises so as to maintain ambient air quality	The ambient noise levels will be monitored. Construction activities will	

	standard in respect of noise to less than 75 db(A) during day time and 70 db(A) during night time. Day time is reckoned in between 6 a.m and 10 p.m and night time is reckoned between 10 p.m and 6 a.m.	not be carried out during night time. Efforts will be taken to reduce noise levels during construction phase.	
24.	The industry shall create the Environment Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day-to-day activities related to Environment and irrigation field where treated effluent is used for irrigation	An Environment Cell has been created which is responsible for implementing the Environment Management Plan on the project site.	
25.	The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2 etc. and these shall be painted /displayed to facilitate identification.	Noted	
26.	The industry should comply with the Hazardous and Other Wastes (M&TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20 (2) of Hazardous and other Wastes (M& TM) Rules, 2016 for the preceding year April to March in Form-IV by 30 th June of every year.	Form IV is regularly submitted by 30 th June of every year.	
27.	The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.	Separate meters have been provided.	
28.	The applicant shall bring minimum 33% of the available open land under green coverage/plantation. The applicant shall submit a yearly statement by 30 th September every year on available open plot area, number of trees surviving as on 31 st March of the year and number of trees planted by September end.	Green Belt of has been provided with nearly 2000 nos. trees planted. Trees have been planted as per the CPCB guidelines.	
29.	The Board reserves its right to review plans, specifications or other data relating to plant setup for the treatment of waterworks for purification thereof & the system for disposal of sewage or trade effluent or in connection with the grant of any consent conditions.	Noted	
30.	The firm shall submit to this office, the 30 th day of September every year, the Environment Statement Report for the financial year ending 31 st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules,1992.	Form V is submitted regularly.	
31.	The Applicant shall obtain necessary prior permissions for providing additional control equipment with necessary specification and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.	Noted	

32.	The Board reserves its rights to vary all or any of	Noted	
	the conditions in the consent, if due to any		
	technological improvement or otherwise such		
	variation (including the change of any control		
	equipment, other in whole or in part is necessary).		
33.	The applicant shall provide facility for collection of	Agreed	
	environmental samples and samples of trade and		
	sewage effluents. air emissions and hazardous		
	waste to the Board staff at the terminal or		
	designated points and shall pay the Board for the		
	services rendered in this behalf.		

CONDITIONS OF CONSENT TO OPERATE

Renewal to existing Consent to Operate vide file no.: Format1.0/CC/UAN No.0000103714/CR 210400133 dated 27.04.2021

Sr.			Cond	itions		Compliance	Р
1.	The c	onsent	to rene	wal is gra	anted for a	Noted. Consent will be	
			31/12/20			renewed well in advance.	
2.					roject is Rs.		
					e submitted		
	-	-	_		3.21 Crs. +		
				1 CI- Rs. 70).45 Crs.)		
3.	Conse	nt is va	lid for ha	indling of:		Noted.	
	Sr.	Produ	ct name	Maximur			
	No.			Quantity	'		
	Produ						
			for Cargo	5	MT/A		
		handlir	•	_			
		Handlir					
		Coal, Sulphur,					
		Rock Phosphate, Iron Ore,					
	Iron Ore, Bauxite and						
	Bauxite and						
	The Consent is valid for the operation of Jetty					,	
			orth Side				
			amtar Cr				
4.				r (P&CP), 1	The 7.5 m ³ /day of sewage		
		rge of ef		(1 0101)/	generated is treated in		
		J				Sewage Treatment Plant of	
	Sr.	Desc	Permi	Standard	Disposal	10 m ³ /day capacity.	
	No.	riptio	tted	to	Path		
		n	(in				
			CMD)				
	1	Trade	0	As per	Not		
		efflue		Schedule-	Applicable		
		nt		I			
	2	Dome	7.5	As per	On land		
		stic		Schedule-	for		
		Efflue nt		I	gardening		
5.	Condit		lar Air (D	- R ₁ CD) Λc+	1981 for air	Not Applicable	
J.	emissi		iei Ali (P	a cr / Act,	1301 101 411	140t Applicable	
	Cilliaal	01101					
	Sr.	Stack	Descrip	Number	Standar		
	- - - - - - - - -						
			achieve				
			source		d		
	1	Not	Not	0	As per		
		Applic	Applicab)	Schedule		
		able	le		-II		
6.	Non-H	azardous	Wastes:			Not Applicable	

	Sr. No.	Type of Waste	Qua ntit y	UoM	Treat ment	Dispo sal		
	1	Not Applica ble	0	-NA-	Not Not Applica ble able Wastes			
7.	(M&TM		16 for			er Wastes disposal of	Used oil will be handed over to authorized preprocessor	
	Sr. No.	No. ry No./ ntit ment al Type y						
	1	5.2 Wastes or residues containi ng oil	500	MT/ A	Sale to autho rized prepr ocess or/CH WTS DF	Sale to authori zed preproc essor/C HWTSD F		
8.	susper	oard reserved nd, revoke ding on the	this co	nsent a		v, amend, same shall	Noted	
9.	This	consent so tion from ssion fro	should n obta	not l aining	necessa	strued as ry NOC/ overnment	Noted	
10.	The a		nt 60 d	ays prid	or to date	cation for e of expiry	Noted	
11.	The ap		all com	ply witl anted \	n the coi ide lett		The conditions given in the CRZ clearance e dated 06.10.2003 will be complied with.	
12.	the Er	nvironment	al Cle	arance	nditions of Clearance)16-1A-III	The conditions given in the Environmental Clearance &		
13.	Lakhs Condit	ry shall su towards co ions stipula clearance.	mplian ated in	ce of Co	nsent co		The bank guarantee has been submitted to the MPCB	

 $\label{eq:SCHEDULE-I} \underline{\mbox{SCHEDULE-I}}$ Terms & conditions for compliance of Water Pollution Control

Sr.		C	onditions		Compliance	ТП	Р
1.	treate B] Tre	eneration- As	s per your appl neration is Nil.	ication the	Not Applicable		-
2.	Sewag 10 Cl sewag B] Th treatn	ge Treatment MD for the ge. The application ment system	olication, you have Plant of designate treatment of 7 shall operate to treat the sewang standards.	ed capacity .5 CMD of the sewage	Noted		
	Sr. No	Paramete rs	Standar				
	1	рН	Not to exceed				
	2	BOD	Not to exceed	10			
	3	COD	Not to exceed	50			
	4	TSS	Not to exceed	20			
	5	NH4 N	Not to exceed	5			
	6	N-total	Not to exceed	10			
	7	Fecal Coliform	Not to exceed	Less than 100			
3.	secon and re garde above its v premi The B specif setup purific dispos conne condit conse the U	dary purpose emaining sha ning within e standards. I way for gases. To ard reserve ications or of the treat sal of sewage ection with the solunit or estation of the Boaunit or estations.	wage shall be rest to the maximal be discharged premise after no case, sewage ridening/ outside sits rights to resther data relationment of waterwoof & the system of a the grant of a pplicant shall or to take steps to blish any treat ran extension	Noted			

	The '		! C	Agusad	
4.	pollution of its exposor so as to standards	control system or ected life as defire on ensure the control and safety of the	re replacement of its part after expiry and by manufacture compliance of the experation thereof.	Agreed	
5.	of the Wat Act, 1974	cant shall comply ter (Prevention & and as amended d other provisions	Agreed		
	Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)		
	1.	Industrial Cooling, spraying in mine pits or boiler feed	10.00		
	2.	Domestic purpose	10.00		
	3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00		
	4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00		
	5.	Gardening	10		
6.	Pollution of EP Act from ti	control system as	•	STP of 10 m³/day has been provided on the site.	

 $\underline{\text{SCHEDULE-II}}$ Terms & conditions for compliance of Air Pollution Control

Sr.			C	onditio	ns					Compliance				P
1.	pollution	your ap on con ng stacl n:	trol (/	APC) s	ystem	and	l e	rected	t	Noted				
	Sta ck No.	Stac k Attac hed To	APC Syst em	Heig ht In Mtrs	Typ e of Fue I		s %	SO 2						
	Not App lica ble	Not Applic able	Not Appli cabl e	Not Appli cabl e	Not App lica ble									
2.	The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/Environmental Clearance/CREP guidelines.									PP agrees condition.	with	the		
3.	The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:)	Agreed					
	Par	ameter	s		Stand	lards								
	Total Not to exceed 150 mg/Nm³ Particulate Matter													
4.	The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/ alternation well before its life come to an end or erection or new pollution control equipment.							PP agrees condition.	with	the				
5.	The Bo the co techno variation	pard resondition ological on (inclination)	erves i in th improv	ts rights e cons vement the ch	s to vasent, or a ange	ary all if duo otherv of ar	or a e to vise ny c	any o any such contro	/ 1	Noted				

SCHEDULE-III

Details of Bank Guarantees:

Sr.	Consent (C2E/C2 O/C2R)	Amt of BG Imposed	Submissi on Period	Purpose of BG	Complian ce Period	Validity Date	Complian ce
1	Consent to Operate	Rs.5 lakh	15 Days	Towards O and M of pollution control system Complianc e consent conditions	31/12/20 25	30/04/20 26	The BG in Format required by MPCB was submitted

BG Forfeiture History

Sr.	Consent (C2E/C2O/ C2R)	Amt of BG Imposed	Submissio n Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
			NA			

BG Return Details

Sr.	Consent	BG	Submission	Purpose of	Amount of BG
	(C2E/C2O/C2R)	Imposed	Period	BG	Returned
			NA		

SCHEDULE-IV

Sr.	Conditions	Compliance	P
	General Conditions	_	
1.	The Energy source for lighting purpose shall preferably be LED based	Yes, LED lighting is being provided.	
2.	The PP shall harvest rainwater from roof tops of the building and Storm water drains to the recharge the ground water and utilize the same for	Rainwater harvesting system has been provided	
	different industrial applications within the plant		
3.		Acoustic enclosers have been provided to the D.G Sets. D.G Sets installed are strictly in compliance with recommendations of D.G Set manufacturer DG Set will be operated only in case of power failure.	
	17.05.2002 and its amendments regarding		
	noise limit for generator sets run with diesel.		
4.	The applicant shall maintain good housekeeping.	Proper housekeeping practices are followed.	
5.	The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of	Noted and is being	

scientifically so as not to cause any nuisance/ pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste. 6. The applicant shall not change or alter the quantity, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board. 7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises. 8. The industry shall submit official e-mail address and any change will be duly informed to MPCB. 10. The industry shall submit official e-mail address and any change will be duly informed to MPCB. 11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition therefo. 12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturers oas to ensure the compliance of standards and safety of the operation thereof. 13. The PP shall provide personal protection equipment as per norms of the Factory Act 14. Industry should monitor effluent quality, monthly/quarterly.				
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		Copy of monitoring report	
		has been attached.	
15.	Whenever due to any accident or other unforeseen act or even emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In ae of failure of pollution control equipment, the production process connected to it shall be stopped.	Agreed	
16.	The applicant shall provide an alternate electric	D.G set of 500 kva	
10.	power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, consent	capacity has been provided on the site for back up in case of power failure.	
17.	The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M& TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for landfilling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.	Agreed	
51 8.	An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.	Agreed. Inspection book will be made available to the Board's officer during the site visit.	
19.	Industry shall strictly comply with water (P&PC) Act, 1974, Air (P&CP) Act 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).	PP will comply with water (P&PC) Act, 1974, Air (P&CP) Act 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986	
20.	Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.	Separate drainage system has been provided and no external effluent is admitted into the collection system	
21.	Neither storm water nor discharge from other premises shall be allowed to mix the effluent from the factory.	Wastewater and storm water are not allowed to mix with the effluent.	
22.	The industry should not cause any nuisance in surrounding area.	Agreed. The industry will not cause any nuisance in surrounding area.	
23.	The industry shall take adequate measure for control of noise levels from its own sources within the premises so as to maintain ambient air quality	The ambient noise levels will be monitored. Construction activities will	

		1	
	standard in respect of noise to less than 75 db(A) during day time and 70 db(A) during night time.	not be carried out during night time. Efforts will be	
	Day time is reckoned in between 6 a.m and 10 p.m	taken to reduce noise	
	and night time is reckoned between 10 p.m and	levels during construction	
	6 a.m.	phase.	
24.	The industry shall create the Environment Cell by	An Environment Cell has	
	appointing an Environmental Engineer, Chemist	been created which is responsible for	
	and Agriculture expert for looking after day-to-day activities related to Environment and irrigation	implementing the	
	field where treated effluent is used for irrigation	Environment Management	
		Plan on the project site.	
25.	The applicant shall provide ports in the	Not applicable.	
	chimney/(s) and facilities such as ladder, platform		
	etc. for monitoring the air emissions and the same		
	shall be open for inspection to/and for use of the		
	Board's Staff. The chimney(s) vents attached to various sources		
26.	The industry should comply with the Hazardous	Form IV is regularly	
	and Other Wastes (M&TM) Rules, 2016 and submit	submitted by 30 th June of	
	the Annual Returns as per Rule 6(5) & 20 (2) of	every year.	
	Hazardous and other Wastes (M& TM) Rules, 2016		
	for the preceding year April to March in Form-IV by		
27.	30 th June of every year. The applicant shall install a separate meter	Separate meters have	
27.	showing the consumption of energy for operation	been provided.	
	of domestic and industrial effluent treatment		
	plants and air pollution control system. A register		
	showing consumption of chemicals used for		
20	treatment shall be maintained.		
28.	The applicant shall bring minimum 33% of the available open land under green	Green Belt of has been provided with nearly 2000	
	available open land under green coverage/plantation. The applicant shall submit a	nos. trees planted.	
	yearly statement by 30 th September every year on	Trees have been planted	
	available open plot area, number of trees surviving	as per the CPCB	
	as on 31st March of the year and number of trees	guidelines.	
20	planted by September end.	Neted	
29.	The Board reserves its right to review plans, specifications or other data relating to plant setup	Noted	
	for the treatment of waterworks for purification		
	thereof & the system for disposal of sewage or		
	trade effluent or in connection with the grant of		
	any consent conditions.		
30.	The firm shall submit to this office, the 30 th day of	Form V is submitted	
	September every year, the Environment Statement Report for the financial year ending 31st	regularly.	
	March in the prescribed FORM-V as per the		
	provisions of Rule 14 of the Environment		
	(Protection) (second Amendment) Rules,1992.		
31.	The Applicant shall obtain necessary prior	Noted	
	permissions for providing additional control		
	equipment with necessary specification and		
	operation thereof or alteration or		
	replacement/alteration well before its life come to an end or erection of new pollution control		
	equipment.		
	- 4 a. b. 11 a. 101	l .	

32.	The Board reserves its rights to vary all or any of the conditions in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).	Noted	
33.	The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents. air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay the Board for the services rendered in this behalf.	Agreed	

ANNEXURE I

Previous Compliance Report Acknowledgement copy



Ajeet Kumar CMD <mahabal.thane@gmail.com>

EC Compliance monitoring Report Submission_October 2022 to March 2023_Report_M/s. PNP Maritime services Pvt.Ltd. "PNP Port"

1 message

mahabal.thane@gmail.com <mahabal.thane@gmail.com>

Tue, Jun 6, 2023 at 2:16 PM

To: vijay.patil@nic.in

Cc: priyankashinde <priyankashinde@ymail.com>, Yuvraj <yuvraj.b@pnpport.com>, Siddharth <siddharth@pnpport.com>

To,

Environment Department,

Government of Maharashtra 15th floor, New Administrative Building, Mantralaya, Mumbai-400032

Reference: Environmental Clearance Letter No. F. No, 10-70/2016- IA-III dated.20.08.2020

Dear Sir,

Please find attached herewith the half-yearly compliance monitoring report of, M/s PNP Maritime Services Pvt. Ltd. "PNP Port" at Gut No.346, Dharamtar Creek, village Shahbaj, District Raigad

District Raigad - for the duration of October 2022 to March 2023.

--

Regards, Gaurav Patil 9082288339

Office of: Mahabal Enviro Engineers Pvt. Ltd.- THANE BRANCH
Plot F 7, Road 21, MIDC Wagle Estate, Thane West-400604
(Turn opp. Toyota showroom @ Golden Nest Hotel >>straight>> 550m)
Phone: 022-35097207/9137566620/8928386332 Email: mahabal.thane@gmail.com
PLEASE NOTE THIS IS COMMON EMAIL ID USED BY ALL STAFF MEMBERS FOR GENERAL COMMUNICATION ONLY.



Compliance Report_PNP Maritime_Oct 2022 to Mar 2023.pdf 14250K



Ajeet Kumar CMD <mahabal.thane@gmail.com>

EC Compliance monitoring Report Submission_October 2022 to March 2023 Report M/s. PNP Maritime services Pvt.Ltd. "PNP Port"

1 message

mahabal.thane@gmail.com <mahabal.thane@gmail.com>

Tue, Jun 6, 2023 at 2:16 PM

To: eccompliance-mh@gov.in

Cc: priyankashinde <priyankashinde@ymail.com>, Yuvraj <yuvraj.b@pnpport.com>, Siddharth <siddharth@pnpport.com>

To,

The Director

Integrated Regional Office, Ministry of Environment, Forest and Climate Change,

Ground Floor, East wing, New Secretariat Building, Civil lane, Nagpur-440001

Reference: Environmental Clearance Letter No. F. No, 10-70/2016- IA-III dated.20.08.2020

Dear Sir,

Please find attached herewith the half-yearly compliance monitoring report of, M/s PNP Maritime Services Pvt. Ltd. "PNP Port" at Gut No.346, Dharamtar Creek, village Shahbaj, District Raigad

District Raigad - for the duration of October 2022 to March 2023.

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(Turn opp. Toyota showroom @ Golden Nest Hotel >>straight>> 550m) Phone: 022-35097207/9137566620/8928386332 Email: mahabal.thane@gmail.com

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Compliance Report_PNP Maritime_Oct 2022 to Mar 2023.pdf 14250K



Ajeet Kumar CMD <mahabal.thane@gmail.com>

EC Compliance monitoring Report Submission_October 2022 to March 2023_M/s. PNP Maritime services Pvt.Ltd. "PNP Port"

1 message

mahabal.thane@gmail.com <mahabal.thane@gmail.com>

Tue, Jun 13, 2023 at 5:26 PM

To: sroraigad1@mpcb.gov.in, mpcbmumbai@mpcb.gov.in Cc: priyankashinde <priyankashinde@ymail.com>, Yuvraj <yuvraj.b@pnpport.com>, Siddharth <siddharth@pnpport.com>

To,

Sub-Regional Office,

Maharashtra Pollution Control Board, Raigad Bhavan, 6th floor, Sector - 11, C.B.D Belapur, Navi Mumbai.

Reference: Environmental Clearance Letter No. F. No. 10-70/2016- IA-III dated.20.08.2020

Dear Sir,

Please find attached herewith the half-yearly compliance monitoring report of, M/s PNP Maritime Services Pvt. Ltd. "PNP Port" at Gut No.346, Dharamtar Creek, village Shahbaj, District Raigad

District Raigad - for the duration of October 2022 to March 2023.

Regards, Gaurav Patil 9082288339

Office of: Mahabal Enviro Engineers Pvt. Ltd. - THANE BRANCH Plot F 7, Road 21, MIDC Wagle Estate, Thane West-400604 (Turn opp. Toyota showroom @ Golden Nest Hotel >>straight>> 550m) Phone: 022-35097207/9137566620/8928386332 Email: mahabal.thane@gmail.com PLEASE NOTE THIS IS COMMON EMAIL ID USED BY ALL STAFF MEMBERS FOR GENERAL COMMUNICATION ONLY.



Compliance Report_PNP Maritime_Oct 2022 to Mar 2023.pdf 14250K

ANNEXURE II

Site Photographs

Project Site



Drinking water facility





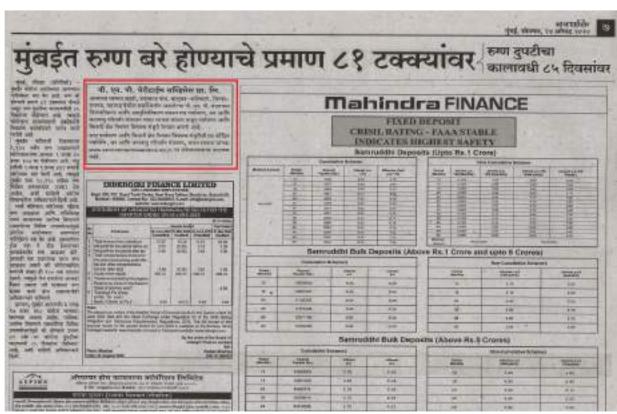
Water Tank



ANNEXURE III

Advertisement





ANNEXURE IV

Environmental Clearance Letter

F.No. 10-70/2016-IA-III Government of India Ministry of Environment, Forest and Climate Change (IA.III Section)

Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 3

Date: 20th August, 2020

To.

M/s PNP Maritime Services Pvt Ltd.

(Kind attention: Shri Siddharth Ghosh, DGM - Commercial & Operation) A-5, Ionic, 18 Arthur Bunder Road, Colaba, Mumbai - 400005, Maharashtra

E- Mail: pnpport@gmail.com

Subject: Expansion and Modernization of existing PNP Port at Gut No. 346, Dharamtar Creek, Village Shahbaj, District Raigad, Maharashtra by M/s PNP Maritime Services Pvt Ltd - Environmental and CRZ Clearance - reg.

Sir.

This has reference to your online Proposal No. IA/MH/MIS/59562/2016 dated 12 September, 2019, submitted to this Ministry for grant of Environmental and CRZ Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 and Coastal Regulation Zone (CRZ) Notification, 2011, under the Environment (Protection), Act, 1986.

- The proposal for 'Expansion and Modernization of existing PNP Port at Gut No. 346, Dharamtar Creek, Village Shahbaj, District Raigad, Maharashtra by M/s PNP Maritime Services Pvt Ltd was considered by the Expert Appraisal Committee (Infra-2) in the Ministry in its 46th meeting held during 25-26 November, 2019 and 53th meeting held during 23-24 July, 2020.
- The project/activity is covered under category 'A' of item 7 (e) i.e. 'Ports, harbours, break waters, dredging' of the schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level by sectoral EAC.
- 4. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said EAC meeting, are reported to be as under:-
- Environmental and CRZ Clearance for the Expansion and Modernisation of Existing PNP port located at Dharamtar Creek, village Shahbaj, Taluka Alibaug, District Raigad, Maharashtra. (18º41'59" N latitude and 73º01'33" E longitude)
- (ii) PNP port is located on the western bank of Amba River (i.e. Dharamtar creek) about 25 nautical miles (nm) from Mumbai Port Lighterage area and 18 nm from JNPT (Jawaharlal Nehru Port Trust) Port. The Port was given Environmental Clearance in 2003 from MoEF vide letter No. J-16011/38/2001-IA III dated 06 October, 2003.
- (iii) PNP port (All weather port) has existing facility spread over an area of 60 ha with four (4) working jetties performing Lighterage operations and handles upto 4 MTPA of cargo viz. Coal, Sulphur, Clinker, Rock Phosphate, Bauxite, Steel Coils etc. The expansion along with the modernisation of the port is planned and that will handle cargo up to 19 MTPA. The proposed development comprises eight (8) bulk berths, two (2) Iron & steel product berths, four (4) berths for handling liquid cargo and 200 m berth for container cargo. The proposed development will be over an area of 195 ha (Including existing 60 ha area).
- Maintenance dredging is proposed to create navigational channel near berthing areas from the main channel (in front of berths only to facilitate new barges i.e. up to

Mondy

- 5.3 m CD). The dredged volume is estimated at berthing areas is about 1 Mm³. The material to be dredged is of silty sand and clay material and that will be utilized for site preparation within the port area (Non-CRZ areas).
- (v) Tabular statement indicating details of (a) existing facilities as per existing EC obtained; (b) proposed additional facilities along with modernisation and expansion:

	Existing facilities	Proposed expansion facilities		
Area of Land available	60 ha	135 ha (In addition to existing 60 ha area)		
No. of jetties/ Four (4) Nos. berths		eight (8) bulk berths, two (2) Iron & steel product berths, four (4) berths for handling liquid cargo and 200 m berth for container cargo		
Water frontage available	2000 m			
Cargo handling capacity	<5 MTPA	19 MTPA (including existing 5 MTPA capacity)		
Type of cargo being handled	Coal, Sulphur, Clinker, Rock Phosphate, Bauxite, Steel Coils	Coal, Sulphur, Bulk Cargo, Break Bulk cargo, Agro commodities, Clinker, Dolomite, Limestone, Pyroxenite, Iron ore Cement, Slag, Rock Phosphate, Bauxite, Steel Coils, Bitumen, Timber, Tiles, Mill scales, Cotton, Liquid cargo (Non-Hazardous) and Port Based Industries etc.		
Depth at berthing areas	•	(-) 5.3 m CD to accommodate the new barges (In front of berths only)		
Dredging quantity	•	1 Mm ³		
Dredge quantity disposal		Utilized for site preparation within the port area (Non- CRZ areas)		

- (vi) During construction phase, total water requirement is expected to be 60 KLD which will be met by tanker water. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- (vii) During operational phase, total water demand of the project is expected to be 73 KLD (33 KLD domestic + 40 KLD dust suppression measures) and same will be met by fresh water from MIDC water supply. Tanker water and recycled water from STP. Wastewater generated (31 KLD) uses will be treated in STP of 50 KLD capacity. 15 KLD of treated wastewater will be recycled for flushing. About 16 KLD will be used for dust suppression and green belt within the premises.
- (viii) The quantity of municipal solid waste generated from canteen and administrative areas is estimated at about 148 kg/day, of which the biodegradable waste (89 kg/day) will be composted using vermin composting pits and will be used as manure. The non-biodegradable waste generated (59 kg/day) will be handed over to authorized local vendor.
- (ix) The total power requirement during construction phase is 2000 kVA and will be met from MSEDCL & DG set and Total power requirement during operation phase is 6.7 MW and will be met from MSEDCL & DG set for emergency backup.
- (x) Rainwater harvesting ponds will be constructed at strategic locations. Being port activity, Energy saving is achieved through efficient lights like LED's
- (xi) Parking facility for 200 four wheelers are proposed to be provided and provision of 550 truck Parking are made.
- (xii) Site is not located within 10 km of any Eco Sensitive areas
- (xiii) Terms of Reference (ToR) for the project was granted by MoEF&CC vide letter No. 10-70/2016-IA-III dated 22 March, 2018.
- (xiv) Public hearing was conducted by Maharashtra State Poliution Control Board (MPCB) on 25 February, 2019 at Collector office, District Raigad, Maharashtra.

- (xv) Maharashtra State Coastal Zone Management Authority (MCZMA) has recommended the project for CRZ Clearance vide Letter No. CRZ-2017/CR-323/TC 4 dated 24 January, 2019.
- (xvi) Investment/Cost of the project is Rs. 1,058.34 Crore.
- (xvii) The employment potential: The employment potential during the construction phase of the port is estimated as 450 to 500 persons. The expected direct employment during operation phase of the project will be 650 persons. Apart from this, there will be around 300 nos. of people for indirect employment.
- (xviii) Benefit of the project: The proposed expansion of port/ terminal will give more employment/ opportunities for the local people. Other benefits include generation of direct and indirect employment to the local people and surrounding areas. The expansion of Port will be a boon for the development of the region. It will also minimize the traffic load from the Mumbal Port Trust. Due to its location as it offers seamless road, rail connectivity for the transport of materials/ cargo to various hinterland.
- 5. The project proponent informed the EAC that PNP Maritime Services Pvt. Ltd. is proposing Expansion and Modernization of existing PNP Port at Dharamtar Creek, village Shahabaj, Tehsil Alibaug, District Raigad, Maharashtra. The existing port has received Environmental Clearance in 2003 from MoEF vide letter No. J-16011/38/2001-IA III dated 06.10.2003. At present, Port is handling approx. 4 MTPA of cargo. PNP proposes to augment the port facilities by modernizing/ mechanizing and expanding port capacity. Proposed expansion will envisage increase in cargo handling capacity up to 19 MTPA along with modernizing/ mechanizing of existing port. The Maharashtra Maritime Board (MMB) has approved water frontage of 1,000 m on 18 August, 2008 and additional 1,000 m on 29 March, 2012. The project has received the ToR from MoEF&CC vide letter no. 10-70/2016-IA-III dated 22 March, 2018. MCZMA has recommended the project from CRZ point of view to MoEF&CC dated 24 January, 2019.

The Committee deliberated upon the issues raised during the Public Hearing/Public Consultation meeting conducted by the Maharashtra State Pollution Control Board on 05 April, 2019. The issues were raised regarding increase in pollution due to the coal, affect on the local agriculture fields and ill-effects on the health of local people, effect the passenger services between Alibaug to Pen due to increase in usage of railway line and job opportunities as well as various court case pending against Project. The Committee noted that issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report. The EAC also deliberated on the certified compliance report letter No. 6-12/2003(ENV)/4664 dated 10 December, 2018 issued by the MoEF&CC's Regional Office (WCZ), Nagpur. As per Compliance report, "it was observed that project is in operation phase. Coal Cement and Steel Coils are being handled at the port. No liquid cargo is being handled at the project. No trade effluent is being generated.

6. In the 53rd meeting held during 23-24 July, 2020, the project proponent informed the EAC that as per the observation of EAC in its previous meeting, action taken report for non-compliance and partially compliance EC conditions was submitted to Regional Office of MoEF&CC vide letter dated 22.01.2020. The Regional Office of MoEF&CC (WCZ) at Nagpur has forwarded the same to the Ministry vide letter 6-12/2003(ENV)/6316 dated 02 March, 2020. The EAC noted that the project proponent has submitted Oil Spill Contingency Plan and point wise reply on the observations of Conservation Action Trust (CAT). The representation received just before this meeting was also shared with project proponent. In this context, project proponent has submitted point wise reply to the Committee vide letter dated 23 July, 2020. The EAC found that the PP has denied all the allegations and confirmed that no mangroves were cut/ destroyed during construction or operation phase of the project. The PP also referred to Hon'ble NGT's ruling in Application No. 95/2014 (WZ) dated. 22 September, 2017. It was also confirmed that they have not proposed any reclamation in the project and the expansion in mangrove and mangrove buffer area. PP has

submitted that they are operating the port facility as per the permission granted by various authorities and they do not find any merit in allegations made against the project.

7. The EAC in its 63rd meeting held during 23-24 July, 2020, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended the project for grant of environmental and CRZ clearance with stipulated specific conditions along with other Standard EC Conditions as specified by the Ministry vide OM dated 04 January, 2019 for the said project/activity. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental and CRZ Clearance to the project 'Expansion and Modernization of existing PNP Port' at Gut No. 346, Dharamtar Creek, Village Shahbaj, District Raigad, Maharashtra by M/s PNP Maritime Services Pvt Ltd, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon and CRZ Notification, 2011, and subject to the specific and general conditions as under:-

A. Specific Conditions:

- (i) The Environmental and CRZ Clearance to the project is primarily under provisions of EIA Notification, 2006 and CRZ Notification, 2011. It does not tantamount to approvals/consent/permissions etc required to be obtained under any other Act/Rule/regulation The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) The project proponent shall abide by all the commitments and recommendations made in the Form-II, EIA and EMP report, submissions made during Public Hearing and also that have been made during their presentation to EAC.
- (iii) Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (iv) All the recommendations and conditions specified by the Maharashtra State Coastal Zone Management Authority (MCZMA) vide letter No. CRZ-2017/CR-323/TC 4 dated 24 January, 2019 shall be complied with.
- (v) The project proponent shall comply with the air pollution mitigation measures as submitted.
- (vi) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained. Creek water monitoring program shall be implemented during the construction phase.
- (vii) No underwater blasting is permitted.
- (viii) Dredging shall not be carried out during the fish breeding season. Dredging, etc. shall be carried out in confined manner to reduce the impacts on marine environment. As committed, Silt curtains shall be used to minimize spreading of silt plume during dredging operation. Turbidity should be monitored during the dredging. No removal of silt curtain unless baseline values are achieved.
- (ix) Wherever possible, dredged material shall be used for bank nourishment. Otherwise, deposit the dredged material within the port premises in non-CRZ areas for land development in a manner that it does not enter the channel. With the enhanced quantities, the impact of dumping on the estuarine environment should be studied and necessary measures shall be taken on priority basis if any adverse impact is observed.
- (x) An independent monitoring be carried out by any Government Agency/Institute to evaluate the impact during dredging. Impact of dredged material on estuarine environment along with shore line chappes should be studied by the PP and

- necessary mitigation measures be taken in case any adverse impact is observed. The details shall be submitted along with the six-monthly monitoring report.
- (xi) Marine ecological studies and its mitigation measures for protection of phytoplankton, zooplanktons, macrobenthos, estuaries, sea-grass, algae, sea weeds, Crustaceans, Fishes, coral reefs and mangroves etc. as given in the EIA-EMP Report shall be complied with in letter and spirit.
- (xii) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.
- (xiii) A copy of the Marine and riparian biodiversity management plan duly validated by the State Biodiversity Board shall be obtained and implement in letter and spirit.
- (xiv) The fresh water requirement of 58 KLD shall be met from MIDC water supply scheme.
- (xv) Sewage generated will be treated in STP of 50 KLD capacity. The treated water will be used for flushing, gardening and dust suppression within the port premises.
- (xvi) A continuous monitoring programme covering all the seasons on various aspects of the estuarine environs need to be undertaken by a competent organization available in the State or by entrusting to the National Institutes/renowned Universities/accredited Consultant with rich experiences in marine science aspects. The monitoring should cover various physico-chemical parameters along with PHc coupled with biological indices such as microbes, plankton, benthos and fishes on a periodic basis during construction and operation phase of the project. Any deviations in the parameters shall be given adequate care with suitable measures to conserve the marine environment and its resources.
- (xvii) Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance report to the regional office of MoEF&CC.
- (xviii) The material recovered from the cutting activity shall be used for filling low-lying areas within the project boundaries. The actions shall be in accordance with proposed landscape planning concepts to minimize major landscape changes. The change in land use pattern shall be limited to the proposed port limits and be carried out in such a way as to ensure proper drainage by providing surface drainage systems including storm water network.
- (xix) Suitable preventive measures be taken to trap spillage of fuel / engine oil and lubricants from the construction site. Measures should be taken to contain, control and recover the accidental spills of fuel during cargo handling.
- (xx) All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.
- (xxi) Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.
- (xxii) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.
- (xxiii) The company shall draw up and implement Corporate Social Responsibility Plan as per the Company's Act of 2013.
- (xxiv) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 01 May, 2018, project proponent has proposed that an amount of Rs. 2.65 Crores (0.25% of the project cost) shall be earmarked under Corporate Environment Responsibility

VICTURE!

(CER) Plan for the activities such as Health, Water supply, Sanitation, Road development, Solar lights in nearby areas and Education etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

B. Standard Conditions:

I. Statutory compliance:

- The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. No dredging is allowed in protected habitat areas without prior permission from NBWL.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- iv. Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- All the recommendations and conditions specified by State Coastal Zone Management Authority for the project shall be complied with.
- vi. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- vii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- viii. All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction
- ix. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- x. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

II. Air quality monitoring and preservation:

i. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM₂₅ in reference to PM emission, and SO₂ and NOx in reference to SO₂ and NOx emissions) within and outside the project area at least at four locations (one within and three outside the plant area at an angle of 120'each), covering upwind and downwind directions.

- Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.
- iii. Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.
- iv. Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.
- v. The Vessels shall comply the emission norms prescribed from time to time.
- vi. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- vii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

III. Water quality monitoring and preservation:

- The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.
- iii. No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.
- Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
- The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.
- vi. Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
- Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- viii. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.

- ix. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
- No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.
- xi. All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.

IV. Noise monitoring and prevention:

- Noise level survey shall be carried as per the prescribed guidelines and report in this
 regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly
 compliance report.
- Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
- Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- iv. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

- Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- Provide LED lights in their offices and residential areas.

VI. Waste management:

- Dredged material shall be disposed safely in the designated areas.
- ii. Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
- iii. Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
- Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
- vi. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- vii. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
- viii. Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed.

Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered

VII. Green Belt:

- Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- ii. Top soil shall be separately stored and used in the development of green belt.

VIII. Marine Ecology:

- Dredging shall not be carried out during the fish breeding and spawning seasons.
- Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
- The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.
- iv. While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.
- v. A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.
- vi. Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.
- vii. The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.

IX. Public hearing and Human health issues:

- i. The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.
- ii. Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.
- iii. In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.
- iv. Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.
- Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

Proposal No. IA/MH/MIS/59582/2018

- vi. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vii. Occupational health surveillance of the workers shall be done on a regular basis.

X. Corporate Environment Responsibility:

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

XI. Miscellaneous:

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The criteria pollutant levels namely: PM_{2.5}, PM₁₀, SO₂, NOx (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned

- authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 8. This issues with the approval of the Competent Authority.

(Dr. Vinod K. Singh) Scientist E

Copy to:

- The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 400 032.
- The APCCF (C), MoEF&CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur - 440001.
- The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor. Opp. Cine Planet, Sion Circle, Mumbai - 400 022.
- Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- Guard File/ Record File/ Notice Board/MoEF&CC website.

(Dr. Vinod K. Singh) Scientist E

ANNEXURE V

Consent to Establish



MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437 Fax: 24023516

Website: http://mpcb.gov.in Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbal-400022

RED/L.S.I (R46)

No:- Format1.0/CAC/UAN No.0000105351/CE - 2107000798

To.

PNP Maritime Services Pvt Ltd, Old Survey 247 / New Gut No. 346,PNP Port, Dharmatar Creek, Alibag, Dist; Raigad.



Sub:

Consent to Establish for expansion i.e. handling of additional cargos under red category

Ref:

- Consent to operate granted by the Board to the port vide No.CC/UAN no.103714/CR-2104001333 Dated 27.04.2021 valid up to 31.12.2025.
- Environmental Clearance granted by MOEF, GOI, vide no. J-16011/38/2001-IA-III Dated 06.10.2003
- Environmental Clearance granted to the port for expansion activity by MOEFCC, GOI vide no.10-70/2016-IA-III Dated 20.08.2020
- 4. The minutes of the CAC meeting held on 17.03.2021

Your application No.MPCB-CONSENT-0000105351 Dated 29.12.2020

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.
- The capital investment of the project is Rs.1061.56 Crs. (As per C.A Certificate submitted by industry Existing Cl is-Rs. 3.21 Crs + Expansion/Increase in C.I. - Rs. 1058.35Crs)
- 3. Consent is valid for handling of:

Sr No	Product	Maximum Quantity	иом
Pro	ducts		
1	Jetty: For Cargo Handling of Coal, Sulphur, Bulk Cargo, Break Bulk cargo, Agro commodities, Clinker, Dolomite, Limestone, Pyroxenite, Iron ore Cement, Slag, Rock Phosphate, Bauxite, Steel Coils, Bitumen, Timber, Tiles, Mill scales, Cotton, Liquid cargo (Non-Hazardous) and Port Based Industries etc.	14	MT/A

PRP Hartime Services Pyt Ind, CE/SAM No. MPCS CONSERT 0000575351 (28:66-2621 II) (2:26 pm) (SME.FDE_P21/06

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Maharashtra Pollution Control Board

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Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1,	Trade effluent	0	As per Schedule-I	Not Applicable
2.	Domestic effluent	31	As per Schedule-I	On land for gardening

Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	5-1	DG set [80 KVA]	1	As per Schedule -II
2	5-2	DG set [500 KVA]	1	As per Schedule -II
3	5-3	DG set [160 KVA]	1	As per Schedule -II
4	S-4	DG set [30 KVA]	1	As per Schedule -II
5	5-5	DG set [2000 KVA]	1	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal	
1	Biodegradable waste	89	Kg/Day	Composting	Used as mannure	
2	Non Biodegradable waste	59	Kg/Day	Sale	Sale to authorized party	

 Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.2 Wastes or residues containing oil	500	MT/A		Sale to authorised party / CHWTSDF

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- This consent is issued pursuant to the decision of the 23rd Consent Appraisal Committee Meeting held on 17.03.2021.
- The applicant shall comply with the conditions of the Environmental Clearance granted by MOEF, GOI, vide letter No. j-16011/38/2001-IA-III dated 06.10.2003.
- The applicant shall comply with the conditions of the Environmental Clearance granted by MOEF, GOI, vide letter No. F.No.10-70/2016-IA-III dated 20.08.2020.
- 13. The applicant shall submit Environmental Management Plan in the Board.
- The applicant shall submit BG of Rs.25 Lakhs towards compliances of consent conditions and Environmental Clearances conditions.
- The waste generated due to proposed activity should not be disposed off in CRZ area.
- No chemical products should be stored in the CRZ area except those permissible as per annexure of the CRZ Notification -2011 and Amendments in thereto.

PNP Harrison Services Put List, CE/UAN No. MPCS-CONSENT-000/305253 (25-06-202) 05:12:26 pmi /DMS-PDE, PDI, DC

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- The applicant shall prepare disaster management plan and shall be updated time to time
- The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)

For and on behalf of the Maharashtra Pollution Control Board.

> (Ashok Shingare IAS), Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	2116700.00	TXN2101000026	01/01/2021	Online Payment

Copy to:

- 1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Raigad II
- They are directed to ensure the compliance of the consent conditions.
- 2. Chief Accounts Officer, MPCB, Sion, Mumbai

PRF Maritime Services Put LISE/CEILUN No. MPCB-CONSEMT-0000195351 (29-06-2023 65-12-26 Jun; ISMS-POR_FELIND

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Maharashtra Pollution Control Board

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SCHEDULE-I Terms & conditions for compliance of Water Pollution Control:

- A) Generation As per your application the treated effluent generation is Nil.
 - B] Treatment NA
 - C] Disposal NA
- A) As per your application, you have provided Sewage Treatment Plant of designed capacity 50 CMD for the treatment of 31 CMD of sewage.
 - B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)				
1	pH	Not to exceed	5.5 to 9.0			
2	BOD 3 days 27°C	Not to exceed	10 mg/l			
3	COD	Not to exceed	50 mg/l			
4	Total Suspended Solids	Not to exceed	20 mg/l			
5	NH4 N	Not to exceed	5 mg/l			
6	N- Total	Not to exceed	10 mg/l			
7	Fecal Coliform	Not to exceed	Less than 100			

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside from port premises.
- 3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	40.00
2.	Domestic purpose	33.00
3,	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00

PMP Martine Services Pvt Ltd./CE/NAM No. MPCB-CONSENT-0006105353 (28-06-282) 85 (2-26 pm) (QMS.PO6, P01/00

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Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

 The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II Terms & conditions for compliance of Air Pollution Control:

 As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/prop osed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
	DG set	Acoustic		Diesel		502	3.0 Kg/Day
S-1 [80 KVA]	Enclosure	3.00	6.25 Kg/Hr	1	Other		
	VAW 1			ngru		Other	- 12
	DG set	Acoustic		Diesel		502	19.99 Kg/Day
5-2 [500	Enclosure	5.00		41.66 1 Kg/Hr	1	Other	9.
	KVA]	Agrin		Other			
	DG set	ACTURISTIC	3.00	Diesel 12.5		502	6 Kg/Day
5-3	[160					1	Other
525	KVA]	Enclosure		Kg/Hr		Other	
	DG set	A PRINTER	3.00	3.00 Diesel 2.08 Kg/Hr		502	1.0 Kg/Day
5-4	[30				1	Other	
	KVAI					Other	
	DG set	DG set Acoustic	5.00	Diesel 400		502	192 Kg/Day
5-5	[2000	Enclosure			1	Other	
	KVA]			Kg/Hr		Other	

PRP PARTINE SERVICES PAT LES, CEIVAN No. MPCD-CONSENT-6000183213 (26-08-2023 ES-17-28 pag /QMS-POS_FOL/69

Rays Soft to



Maharashtra Pollution Control Board

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Stack No.	Source	APC System provided/pro posed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
	Coal stock yard		0.00			SPM [The difference in the value of suspended particulate matter, delta measured between 25 and 30 meters from the coal stock yard in the downward and leeward wind direction 1 not exceed to 150 µg/m3	•
						Other	
						Other	

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The Applicant shall obtain necessary prior permission for providing additional control
 equipment with necessary specifications and operation thereof or alteration or
 replacement/alteration well before its life come to an end or erection of new pollution
 control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- The trucks will be covered with tarpaulin sheets to prevent coal dust from spilling /creating air pollution nuisance during coal transportation.
- 6. To mitigate the dust emission during loading of cargos such as coal, 1] Mix of truck movement and conveyor system shall be considered for cargo movement between the barges to storage area. 2] Grab unloaders or clamp shell buckets shall be provided to reduce dust, spillage, handling loss etc. during cargo loading on trucks.
- During the cargo handling the dust shall be controlled by using water foggers,, wind screens shall be used to reduce fugitive emission, stock piles, excavated earthen materials etc. shall be managed with water sprinkling to avoid dust being airborne from the specific site.
- PP shall implement Traffic Management Plan and recommendations as per the PNP Port Expansion Traffic Impact Study Report of October -2018.
- The PP shall ensure that fugitive emission from the activity are control so as to maintain clean and safe environment in and around the port premises.
- All entry point, internal roads and loading /unloading areas must be made road worthy for movement of heavy vehicles by using low permability material (Concrete or bitumen) and be cleaned regularly to minimize potential for dust generation and off site impact
- PP shall implement Traffic Management Plan and recommendations as per the PNP Port Expansion Traffic Impact Study Report of October -2018.

THP Hartine Services Per List, CE/VAR No. MPCB-CONSENT-GOOSSESSIS (28-06-202) 05:12:28 arxi 12HS-POR F03.00

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- 12. The coal from jetty shall be removed using close system to control dust / fugitive emissions and shall meet the standards that may be prescribed. The side wall of 5 meters height shall be provided and for the dust suppression, water sprinkling arrangement of water pressure of minimum 4 Kg/cm shall be maintained during loading of coal on trucks at coal storage yard. The entire operation of coal handling shall be done with operating dust and wind suppression equipment's and monitoring of ambient air quality as per guidelines of the Board. The handling of coal shall be done as per the Environmentally Sound management. The qty of coal to be handled will be assessed based on the stockyard size, maximum permissible safe height, dwell time, mode of evacuation and the capacity of roads to evacuate the traffic induced. PP shall submit designed details of pollution control system proposed for coal yard.
- PP shall shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. 8-29016/20/90/PCI-L dated. 18.11.2009 as amended.

SCHEDULE-III Details of Bank Guarantees:

Sr. No	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish for expansion, i.e. Handling of additional cargoes from 5 MTPA capacity to 19 MTPA capacity	Rs.25 Lakhs	15 days	Towards compliances of consent to Establish conditions and conditions of Environmental Clearances	Continuous	30.94.2026

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
		191111111111111111111111111111111111111	NA			

BG Return details

Srno. Consent (C2E/C2O/C2R)	BG Imposed Purpose of BG	Amount of BG Returned				
NA.						

SCHEDULE-IV General Conditions:

- 1. The Energy source for lighting purpose shall preferably be LED based
- The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
- 3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.

PAP Hartime Services Pat Ltd, CEITAIN No. HIPCS-CONSENT-0000255351 (28-00-2521 45-12-25 pro) /(HELPOK, FOLKS)

Fige 7 of 18



- b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 d8 (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- The applicant shall maintain good housekeeping.
- The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
- 11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- The industry shall ensure replacement of pollution control system or its parts after expiry of
 its expected life as defined by manufacturer so as to ensure the compliance of standards
 and safety of the operation thereof.
- 13. The PP shall provide personal protection equipment as per norms of Factory Act
- Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.



- 15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- 20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 22. The industry should not cause any nuisance in surrounding area.
- 23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
- 25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and chese shall be painted/ displayed to facilitate identification.
- The industry should comply with the Hazardous and Other Wastes (M & Tf*) Rules. 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-V by 30th June of every year.
- The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.

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- 28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
- The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
- The Applicant shall obtain necessary prior permission for providing additional control
 equipment with necessary specifications and operation thereof or alteration or
 replacement/alteration well before its life come to an end or erection of new pollution
 control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to
 any technological improvement or otherwise such variation (including the change of
 any control equipment, other in whole or in part is necessary).
- 33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the Maharashtra Pollution Control Board.

> (Ashok Shingare IAS), Member Secretary

THE Martine Services Pvt L14,/CESAN No. MFCB-CENSENT-BURGESSSS (28-86-202) US (2-26 pm) /QMS-PG4, F05-98

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ANNEXURE VI

Consent To Operate



MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437

24044532/4024068/4023516 Website: http://mpcb.gov.in Email: jdwater@mpcb.gov.in



Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/5.5.1 (R46)

No:- Format1.0/CC/UAN No.0000103714/CR 2/04/06/333

M/s. PNP Maritime Services Pvt. Ltd. Old Survey 247 / New Gut No. 346, PNP Port, **Dharmatar Creek**

Tal: Alibag, Dist: Raigad.

Renewal of Consent to Operate for Cargo terminal jetty project, in Red Category.

Ref:

- Previous Consent to Operate for granted vide No. Bo/MPCB/RO(HQ)/RD-3231-16/CR/B-3912 dt. 19/03/2016 valid up to: 31/12/2020
- Minutes of Consent Committee Meeting held on 01.02.2021,12.02.2021 & 25.02.2021.

Your application No.MPCB-CONSENT-0000103714 Dated 07.12.2020

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent to renewal is granted for a period up to 31/12/2025
- The capital investment of the project is Rs.73.66 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 3.21 Crs + Expansion/Increase in C.I. - Rs. 70.45 Crs)
- 3. Consent is valid for handling of:

Sr No	Product	Maximum Quantity	UOM
200	lucts		_
1	Jetty: For Cargo handling, Handling of coal, sulphur, Rock Phosphate, Iron Ore, Bauxite and Edible Oil Cargo	5	MT/A

The Consent is Valid for the operation of Jetty (100 Mtrs, North Side of the Nallah (North of Khochi) Dharamtar Creek

Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0	As per Schedule-I	Not Applicable
2.	Domestic effluent	7.5	As per Schedule-I	On land for gardening

PRF Martine Services Pvf. LHC/CRUAN No. HPCS-CONSENT-0000103754 (12-0)-2001 03:12:30 pvc; IQHS-P06_F03/00

Projet Staff T



Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	Not Applicable	Not Applicable	0	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Not Applicable	0	NA	Not Applicable	Not Applicable

 Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	No./ Type	Quantity	UoM	Treatment	Disposal
	5.2 Wastes or residues containing oil	500	MT/A	Sale to authorized preprocessor/CHWTSDF	Sale to authorized preprocessor/CHWTSD

- 8 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 10 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
- 11 The applicant shall comply with the conditions of the CRZ Clearance granted vide letter No.J-16011/38/2001-A-III dt: 06/10/2003
- 12 The applicant shalf comply with the conditions of the Environmental Clearance & CRZ Clearance granted vide letter No. F.No. 10-70/2016-1A-III dt: 20/08/2020
- 13 Industry shall submit Bank Guarantee of Rs. 5 lakhs towards compliance of consent conditions & Conditions stipulated in Environmental clearance & CRZ clearance.

For and on behalf of the Maharashtra Pollution Control Board.

> (Ashok Shingare ias). Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	500000.00	TXN2012000884	09/12/2020	Online Payment
2	100000.00	TXN2103001403	12/03/2021	Online Payment

Copy to:

- 1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Raigad II
- They are directed to ensure the compliance of the consent conditions.
- 2. Chief Accounts Officer, MPC8, Sion, Mumbai

PAP Martine Service Pvt. Usi/CRISAR No. HPCS-CONSIST 0000213754 (12-65-2021 43-12-26 pv) /OMS.FOE_F02/00

Front 2 of 2



SCHEDULE-I Terms & conditions for compliance of Water Pollution Control:

- A) Generation As per your application the treated effluent generation is Nil.
 - B] Treatment NA
 - C] Disposal NA
- A) As per your application, you have provided Sewage Treatment Plant of designed capacity 10 CMD for the treatment of 7.5 CMD of sewage.
 - B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Stan	dards
SILING		Not to exceed	5.5-9.0
1	pH	Not to exceed	10
2	BOD	Not to exceed	50
3	COD	Not to exceed	20
4	TSS		5
5	NH4 N	Not to exceed	10
6	N-total	Not to exceed	Less than 100
7	Fecal Coliform	Not to exceed	FG22 (1991) 700

- C) The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.
- 3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
	Industrial Cooling, spraying in mine pits or boiler feed	10.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00

PAP Nactions Services Pel. LES./CRUAN No. MPCS-CONSENT-000203754 123-49-2903 09:37-29 pro-10MS-POR_PER/00

Augu 3 of 2



Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	10

 The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II Terms & conditions for compliance of Air Pollution Control:

 As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	5%	SO, (kg/day)
Not Applicable	Not Applicable	Not Applicable	139	Not Applicable	-		

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards		
Total Particulate Matter	Not to exceed	150 mg/ Nm3	

- The Applicant shall obtain necessary prior permission for providing additional control
 equipment with necessary specifications and operation thereof or alteration or
 replacement/alteration well before its life come to an end or erection of new pollution
 control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III Details of Bank Guarantees:

Sr. No	Consent (C2E/ C20 /C2R)	Amt of BG Imposed	Submission Period	Purpose of 8G	Compliance Period	Validity Date
1	Consent to Operate	Rs. 5 lakh	15 Days	Towards 0 and M of pollution control system Compliance consent conditions.	31/12/2025	30/04/2026

PAP Martine Services Pvt. Ust./CR/UAN No. MPCK-CONSTAT-00031037EA (12-63-2003 6) (2:00 pm) /QMS.PDE P00300

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BG Forfeiture History Reason of Amount of Amount Submission Purpose BG BG Consent of BG of BG Period **Forfeiture** (C2E/C2O/C2R) Forfeiture imposed NA **BG Return details** Amount of BG Purpose of Srno. Consent (C2E/C2O/C2R) BG imposed BG Returned

SCHEDULE-IV General Conditions:

- The Energy source for lighting purpose shall preferably be LED based
- The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
- Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
 - d) installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
 - The applicant shall maintain good housekeeping.
 - The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
 - The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 - The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

PMF Harrison Services Fet. LAS./CRUSAN No. MPCS-CONSENT-40001/0714 (12-49-3015 No.12-25 pm) (QHS-PGS, FEL/00

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- The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
- 11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 13. The PP shall provide personal protection equipment as per norms of Factory Act
- Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services. Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- 20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 22. The industry should not cause any nuisance in surrounding area.



- 23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
- 25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September and.
- 29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
- The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
- The Applicant shall obtain necessary prior permission for providing additional control
 equipment with necessary specifications and operation thereof or alteration or
 replacement/alteration well before its life come to an end or erection of new pollution
 control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to
 any technological improvement or otherwise such variation (including the change of
 any control equipment, other in whole or in part is necessary).
- 33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the Maharashtra Pollution Control Board.

> (Ashok Shingare IAS). Member Secretary

PAP HANDING SERVICES PVI. USE /CAULAN No. MICE-CONSINT-0000187734 (12/02-2025 63/02-20 paid /dmis-POR /402/00

Prop. 7 of 1

ANNEXURE VII Environmental Monitoring Report



AMBIENT AIR QUALITY MONITORING REPORT

Sample / Report No.		Report Date 10/05/2023
Name and Address of Customer	PNP Maritime Services Private Limited, 2nd Floor, Lansdowne House Building, M.B. Marg. Near Regal Cinema, Apollo Bunder, Colaba, Mumbei – 400 001	Order Reference: As per PO No. PNP/March/YB/2022- 23/001 Dated 31/03/2023
Sample Description/Type	Ambient Air	
Sampling Location	Near Custom Building	
Sampling Procedure	As per Method Reference	

	Meteorolog	Prominent		tal Conditions	
Date	Average Wind velocity	Wind Direction	Relative Humidity (Max./Min.)	(Max./Min.)	Duration of Survey
01/04/2023	10	NNW	57/45	31/21	24 Hours
02/04/2023	12	NW	53/41	31/25	24 Hours
03/04/2023	14	WNW	62/50	31/23	24 Hours
04/04/2023	14	WNW	44/32	33/24	24 Hours
05/04/2023	16	NW	50/38	34/25	24 Hours
06/04/2023	12	NNW	46/34	34/25	24 Hours
07/04/2023	17	NW	53/41	34/25	24 Hours
08/04/2023	12	NNW	57/45	34/24	24 Hours
09/04/2023	16	WNW	51/39	34/27	24 Hours
10/04/2023	11	NW	50/38	36/28	24 Hours
11/04/2023	9	NNW	44/32	35/24	24 Hours
12/04/2023	14	NW	49/37	36/25	24 Hours
13/04/2023	16	NW	50/38	37/28	24 Hours
14/04/2023	12	w	51/39	36/27	24 Hours
15/04/2023	8	NW	56/44	36/27	24 Hours

Note:

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- 3. Perishable samples will be disposed immediately after report dispatch.
- Non-perishable samples will be stored for 15 days to one month after report dispatch or as per the regulatory norms.



		Prominent	a / Environme	ntal Condition	15
Date	Average Wind velocity	Wind Direction	Relative Humidity (Max./Min.)	Temperature (Max./Min.)	Duration of Surve
16/04/2023	13	NNW	50/38	35/28	24 Hours
17/04/2023	15	NW	48/36	34/26	24 Hours
18/04/2023	10	w	54/42	34/26	24 Hours
19/04/2023	12	NW	50/38	34/26	24 Hours
20/04/2023	19	WNW	53/41	35/27	24 Hours
21/04/2023	15	NW	52/40	35/28	24 Hours
22/04/2023	12	NW	55/43	34/27	24 Hours
23/04/2023	16	NNW	52/41	35/26	24 Hours
24/04/2023	12	NW	58/46	34/25	24 Hours
25/04/2023	15	NNW	64/52	35/26	24 Hours
26/04/2023	10	w	53/41	34/26	24 Hours
27/04/2023	4	NNE	62/50	33/26	24 Hours
28/04/2023	9	NE	54/42	35/26	24 Hours
29/04/2023	11	NE	50/38	35/24	24 Hours
30/04/2023	10	NW	52/40	35/27	24 Hours

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Kavita Shewale Section In-charge (Chemical) Reviewed & Authorised by End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/510	8 Report No. AA/04/23/5108	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	03/04/2023to 04/04/2023
Sample Quantity / Packing	PM±0, Bap, Metals: 1 x 3 no. filter paper PM±0: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHa; 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions		
Average Wind Velocity	Wind Direction W-NW	Relative Hurr (Max./Min.): 6		Temperature (Max./Min.): 31/23°C	Duration of Surve	
Parameter	Result	NAAQ5# 2009	Unit	P	lethod	
Themical Testing; Group: /	Atmospheric Polluti	on				
Sulphur Diaxide (SO ₂)	9.4	80	μg/m ³	IS SIRZ (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	29.8	80	µд/т³	IS \$62 (Part S): 2006		
Particulate Matter (size less than 10 µm) or PM ₁₀	196	100	µg/m³	IS SIR2 (Part 23) 2006		
Particulate Matter (size less than 2.5µm) or PM2.s	120	60	µg/m³	CPCE Systelline, Valuete 136/20	12-12 Page No.15-2012	
Ozone (O3)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and An 41. Page no. 403 1988	Methods of Air Sampling and Analysis (AMMA), 3nd Ed., Method: 411 Page no. 403-1988	
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³	EPA/625/R-96/000 is Company	Sum Method (D-3.) S 3.2	
Carbon Monoxide (CO)	1.58	4	mg/m³	CPCS Guidelines, Valume II, 377	2012-13. Page na /6: 2013	
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	CPCB Scientines, Values 1,76/2	1912-13: Page No. 35: 2013	
Benzene (CoHo)	1.44	5	µg/m³	(S 5182 (Part II) : 2086		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	ēī	ng/m³	IS 5182 (Part IZ): 2004	IS SIB2 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m²	EPA/625/9-96/010 a Compand	EPA/E25/R-96/318 a Compendium Rethol (0-3) E-3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EFA/E25/R-96/910 a Compand	ium Method IO-31 § 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5108

Report No. AA/04/23/5108

Report Date

11/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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- 4. There are no additions to, deviations or exclusions from the method.









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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/510	9 Report No. AA/04/23/5109	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	03/04/2023 to 04/04/2023
Sample Quantity / Packing	PM:0, Bap, Metals: 1 x 3 no. filter paper PM2.s: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions		
Average Wind Velocity 14 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 6		Temperature (Max./Min.): 31/23°C	Duration of Survey 24 h	
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	15 St82 (Part 2): 7501		
Nitrogen Dioxide (NO ₂)	27.6	80	µg/m³	IS SIRZ (Part 6): 2006		
Particulate Matter (size less than 10 µm) or PM::	323	100	µg/m³	IS 5182 (Part 23) 2006		
Particulate Matter (size less than 2.5µm) or PM2.s	140	60	µg/m³	CPCB Suideline: Volume 1:28/2	07-12 Page No 15-20-3	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Air 41 Page no. 403 1988	relysis (AWMA), 3rd Ed., Methys)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-9E/DID a Compris	dum Methad ID 31 5 3 2	
Carbon Monoxide (CO)	1.48	4	mg/m³	CPCB Guidelines, Valume II, 37/	2017-13. Page no.15: 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Buildines, Valume 1367	2012-13. Paga Nr. 25-7013	
Benzene (C ₄ H ₄)	1.53	5	µg/m³	15 5/82 (Part 10 : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5(82 (Pw+12): 2004	12 S682 (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m²	EPA/625/R-96/IIIE s Compani	dium Rethod ID-315-24	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m²	EPA/625/R-96/DIE a Compani	fium Method ID-318 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5109

Report No. AA/04/23/5109

Report Date

11/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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AMBIENT AIR QUALITY MONITORING REPORT

Sample (D : AA/04/23/511)	0 Report No. AA/04/23/5110	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	03/04/2023tr 04/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHe: 6 no. charcoal tubes CO: 1 no. biadder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	Meteorologica	Data / Env	ironmen	tal Conditions		
Average Wind Velocity	Wind Direction	Relative Hum		Temperature	Duration of Surve	
14 km/h	W-NW	(Max./Min.): 6	2/50%	(Max./Min.): 31/23°C	24 h	
Parameter	Result	NAAQS# 2009	Unit	,	lethod	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (50±)	11.5	80	µg/m³	IS 5/87 (Pwrt 2): 2001		
Nitrogen Dioxide (NO ₂)	24.3	80	μg/m ³	18 5/82 (Part S): 2006		
Particulate Matter (size less than 10 µm) or PM10	312	100	hā/ma	18 Si82 (Part 23):2006		
Particulate Matter (size les than 2.5µm) or PM2.s	5 121	60	µg/m³	CPGB Buildeline, Valume (38/2)	1(2-13 Page No.)5-7013.	
Ozone (Oa)	BLQ (LOQ:19.6)	180	h8/w ₃	Methods of Air Sampling and Analysis (AWMA), 3rd Ed. Method 41 Page no. 403:1985		
Lead (as Pb)	BLQ (LOQ:0.02)	-1	µg/m³	EPA/E25/R-96/010 a Compres	dum Method ID-31 8 3.7	
Carbon Monoxide (CO)	1.24	4	mg/m³	CPCB Buildelines, Volume 9, 37/	2012-13, Page no.16: 2013	
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	DIS Saldelines, Volume 1,357	192-12 Page Nr 35 2013	
Bertzene (CeHe)	1.17	5	µg/m³	15-5487 (Port II) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1.	ng/m³		15 5(87 (Port 12): 2584	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/E25/R-96/010 a Compandum Method ID-3 I S-3 4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/825/8-96/010 a Canguno	dum Method ID-315-37	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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11/04/2023

Report No. AA/04/23/5110

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by

Sample ID: AA/04/23/5110



Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/511	 Report No. AA/04/23/5111 	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Dute - Sampling	03/04/2023 to 04/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bettle each NH ₅ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

Material Date / Environmental Conditions

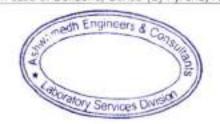
	Meteorologica	Data / Env	ironment	al Conditions	
Average Wind Velocity 14 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 6	707727	Temperature (Max./Min.): 31/23°C	Duration of Surve 24 h
Parameter	Result	NAAQS# 2009	Unit	M	lethod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	5.2	80	µg/m²	15 5/82 (Part 2): 2001	
Nitrogen Diaxide (NO ₂)	27.9	80	µg/m³	IS 5182 (Part B): 2006	
Particulate Matter (size less than 10 µm) or PM16	s 352	100	µg/m³	15 5482 (Fart 23) 2006	
Particulate Matter (size less than 2.5µm) or PM2.5	s 149	60	µg/m³	CPCB Guidaline, Volume I 36/20	32 (2. Page No.15-20/2
Ozone (O3)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3nd Ed., Method 48 Page no. 403 1988	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-9E/DIC a Compand	lum Method 33-3.16-3.2
Carbon Monoxide (CO)	1.31	4	mg/m³	CPCB Guidelines, Volume II, 37/	7012-13. Page ne.16. 2013
Ammonia (NH ₂)	BLQ (LOQ:20)	400	±10/m³	CPCB Buildelines, Valums 1:36/2	002-01 Page No 35-700
Benzene (C ₄ H ₄)	1.31	5	µg/m³	(\$ 5/82 (Part III - 2006	
Benzo (a) pyrene (BaP) Farticulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/87 (Part I2): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/625/R-95/IDD a Compandom Method (0-3) 5 3 A	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPII/E75/R-96/010 s Compend	ium Method (0-1) 6 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5111

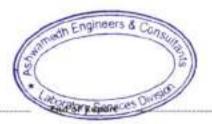
Report No. AA/04/23/5111

Report Date

11/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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AMBIENT AIR QUALITY MONITORING REPORT

	AMBIENT AIR QUALITY	MONITORING REPORT	
Sample ID : AA/04/23/5112	Report No. AA/04/23/5112	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	03/04/2023to 04/04/2023
Sample Quantity / Packing	PMin, Bap, Metals: 1 x 3 no. filter paper PMz.s: 1 x 1 no. filter paper SOz, NOz: 30 ml x 6 no. plastic bottle each NHz: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHe: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated	Date - Completion of Analysis	10/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions			
Average Wind Velocity 14 km/h	Wind Direction W-NW					Temperature (Max./Min.): 31/2:	Duration of Survey
Parameter	Result	NAAQS# 2009	Unit		Method		
Chemical Testing; Group:	Atmospheric Polluti	on					
Sulphur Dioxide (SO ₂)	10.4	80	hā/m ₃	(\$582 (Part 7), 200)			
Nitrogen Dioxide (NO ₂)	29.2	80	µg/m³	IS S182 (Part 6): 2009			
Particulate Matter (size les than 10 µm) or PM10	258	100	µg/m³	(\$ 5/83 (Part 27) 2006			
Particulate Matter (size les than 2.5µm) or PM2.5	91	60	µg/m³	CPCB Guideline, Volum	e (36/2012-13 Page No.15-2013		
Ozone (Oa)	BLQ (LOQ:19.6)	180	μg/m ³	Methods of Air Sampling and Analysis (AWMA). 3nd Ed. Min 41 Page no. 403-1588			
Lead (as Pb)	BLQ (LOQ:0.02)	3.	hā/w ₃	EPA/E25/R-96/00 n	Camprodium Method (G-3) E-3.2		
Carbon Monoxide (CO)	1.08	4	mg/m ³	CPC8 Suidifices, Value	ru II, 37/70/2-13, Page ru IS-20/3		
Ammonia (NH ₈)	BLQ (LOQ:20)	400	h8/m3	CPCE Suidelines, Valur	ne (26/2012-13 Page No.35, 2013		
Benzene (C«Hs)	BLQ (LOQ:1)	.5	µg/m³	(8.5482 (Peet II) - 2006			
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 5187 (Part 17): 2004			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-96/010 a	Compendium Method IO-3.1 5-3.4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EFA/625/R-96/010 a	Compendium Method ID-3.1 5 3 2		

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5112

Report No. AA/04/23/5112

Report Date

11/04/2023

Ninad Soundankar
Technical Manager (Chemical)
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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/511	3 Report No. AA/04/23/5113	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	03/04/2023 to 04/04/202
Sample Quantity / Packing	PM _{x,0} , Bap, Metals: 1 x 3 no. filter paper PM _{x,0} : 1 x 1 no. filter paper 50z, NOz: 30 ml x 6 no. plastic bottle each NHx: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions			
Average Wind Velocity 14 km/h	Wind Direction W-NW	104-40-14-11-41-1		The state of the s		Temperature (Max./Min.): 31/23°C	Duration of Surve
Parameter	Result	NAAQS# 2009	Unit	1	lethod		
Chemical Testing; Group:	Atmospheric Pollution	on					
Sulphur Dioxide (SO ₂)	12.5	80	µg/m3	IS SISZ (Part 2): 2001			
Nitrogen Dioxide (NO ₂)	24.9	80	µg/m³	15 5/82 (Part 6): 2008			
Particulate Matter (size less than 10 µm) or PM::	343	700	µg/m³	15 5/82 (Part 23):200G			
Particulate Matter (size less than 2.5µm) or PM2.3	134	60	μg/m³	DPDB Suideline, Valume (36/2)	02:13 Page No.15:20(3		
Ozone (O3)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWNA), 3nd Ed. Metho 48 Page no. 403:1988			
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-96/018 a Compass	dium Method ID-316.32		
Carbon Monoxide (CO)	1.19	4	mg/m ³	CPCB Guidelines, Veture (1, 37)	2012-13, Page no.16, 2013		
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	CPCH Guidelines, Veture 1.36/2	2012-13. Page No 35: 2013		
Benzene (CeHe)	1.43	5	µg/m³	(S 5182 (Part II) 2006			
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	18 5/82 (Part IZ): 70/04			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/E25/R-95/00 a Campeno	EP4/E25/R-9E/IDB a Compendium Mathod ID-3.1 E-3.4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/EZ5/R-35/0/0 a Compens	Sum Method 10-31 E 3.2		

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5113

Report No. AA/04/23/5113

Report Date

11/04/2023

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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/511	4 Report No. AA/04/23/5114	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Coleba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	03/04/2023 to 04/04/202
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.5: 1 x 1 no. filter paper 5Oz, NOz: 30 ml x 6 no. plastic bottle each NH2: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeH6: 6 no. charcoal tubes CO: 1 no. bladder	Dute - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

Material Data / Environmental Conditions

Average Wind Velocity 14 km/h	Wind Direction W-NW	Relative Hum		Temperature (Max./Min.): 31/23°C	Duration of Survey	
Parameter	Result	(Max./Min.): 62/50% NAAQS# Unit			24 h Method	
Chemical Testing; Group: Atmospheric Pollut		2009				
		80	µg/m³	IS 5182 (Part 2): 2001		
Sulphur Dioxide (SO ₂)	9.4	55.7.	1.77			
Nitrogen Dioxide (NO ₂)	28.4	80	µg/m³	IS 5182 (Fart 5): 2036		
Particulate Matter (size les than 10 µm) or PM11	s 324	100	µg/m³	IS SIR2 (Part 22) 2106		
Particulate Matter (size les than 2.5µm) or PM2.s	s 116	60	µg/m³	CPC8 Guideline, Volume (36/2)	32-12 Page No.15:20-3	
Ozone (O3)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Serroling and Analysis (AWMA), 3rd Ed., Metho 41 Page no. 403 1988		
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m ³	17A/625/R-95/DII a Campendium Method ID 31 6 3.7		
Carbon Monoxide (CO)	1.30	.4	mg/m³	CPCB Guidelines, Volume II, 37/	7017-13. Page no.16. 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³.	CPCB Guidelines. Volume 1,3672	707-11 Page No 35-7013	
Benzene (CoHa)	BLQ (LOQ:1)	5	hd/w ₃	IS 5/87 (Part II) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	=1	ng/m³	1S 5/82 (Part IZ): 2004	IS 5/82 (Part IZ): 2024	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	E9A/E25/R-96/00 a Compend	EPA/E25/R-3E/DID is Compendium Method ID-3.1 8-3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m²	EPA/675/R-98/010 a Compend	fum Method (U-3) 5:32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5114

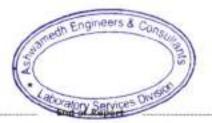
Report No. AA/04/23/5114

Report Date

11/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/511	5 Report No. AA/04/23/5115	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	03/04/2023tc04/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	Meteorological	Data / Env	ironment	tal Conditions		
Average Wind Velocity 14 km/h	Wind Direction W-NW			Temperature (Max./Min.); 31/23°C	Duration of Survey 24 h	
Parameter	Result	NAAQ5# 2009	Unit	N	lethod	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (501)	7.3	80	µg/т³	15 5182 (Furt 2) 2001		
Nitrogen Dioxide (NO2)	26.2	80	µg/m³	IS 5/82 (Part 6): 2006		
Particulate Matter (size les than 10 µm) or PM10	302	100	µg/m³	15 5(82 (Part 23) 2006		
Particulate Matter (size les than 2.5µm) or PM _{2.9}	115	60	µg/m³	CPCE Guideline. Volume 126/7812-13. Page No.15/203		
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Tampling and Analysis (AWMA), 3rd Ed. Metho 46 Page no. 403 :1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EFA/825/9-96/00 a Compandium Medical IG-31 5/3/2		
Carbon Monoxide (CO)	1.56	4	mg/m³	CPCB Suidelines, Volume 11, 37	7017-13. Page no 16. 2012	
Ammonia (NHa)	BLQ (LOQ:20)	400	ha/w ₃	CPCB Suidelines, Yolune 1,367	2012-13, Page No. 35, 2012	
Benzene (CoHo)	1.39	5	µg/m³	45 5/82 (Part II) : 2000		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/E25/9-96/00 a Compredict Method ID-3.1 6 3 4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-95/GIB a Campio	dium Methad 10-31 8-3.7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5115

Report No. AA/04/23/5115

Report Date

11/04/2023



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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/511	Report No. AA/04/23/5116	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	03/04/2023to 04/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.3: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoH6: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	THE RESIDENCE OF THE PARTY OF T		And the State of t	tal Conditions	
Average Wind Velocity 14 km/h	Wind Direction W-NW	on Relative Humidity (Max./Min.): 62/50%		Temperature (Max./Min.): 31/23°C	Duration of Survey 24 h
Parameter	Result	NAAQ5# 2009	Unit		Method
Chemical Testing; Group:	Atmospheric Polluti				
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	IS 5182 (Part 2): 7001	
Nitrogen Dioxide (NO ₂)	26.8	80	μg/m ³	(\$ 5)87 (Part 5): 300E	
Particulate Matter (size les than 10 µm) or PM10	s 298	100	µg/m³	IS SIBZ (Part 23)/2000	***************************************
Particulate Matter (size les than 2.5µm) or PM2.5	s 147	60	μg/m ^{ij}	CPCB Goldekne, Volume 1,35/3	our amaturations
Ozone (O3)	BLQ (LOQ:19.6)	180	μg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed. Met 411 Page no. 403 1988	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/R-96/00.a Compendium Method ID-319-3.2	
Carbon Monoxide (CO)	1.39	4	mg/m³	CPCB Guidelines, Yolome 1, 37	1/202-13 Page no./6: 2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Volume 126	/2012-13, Paga No 35-2013
Benzene (CoHo)	1.19	5	hā/w ₃	18 S/B2 (Part II) : 2008	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/E25/R-96/0/0 a Compendium Method IG-3/I 6 14	
Nickel (as NI)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/010 a Compo	ndium Method ID-33 B 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average

NAAQ5 (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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sales@ashwamedh.net +91-253-2392225

Sample ID : AA/04/23/5116

Report No. AA/04/23/5116

Report Date

11/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note

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AEC/F/REP/1-B Page 2 of 2





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sales@ashwamedh.net +91-253-2392225

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/511	2 Report No. AA/04/23/5117	Report Date	11/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	03/04/2023tc 04/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH2: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	05/04/2023
Sampling Procedure	As per Method reference	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	10/04/2023

	Meteorologica	Data / Env	ironment	tal Conditions	the companies	
Average Wind Velocity 14 km/h	Wind Direction W-NW	Relative Humidity (Max./Min.): 62/50%		Temperature (Max./Min.): 31/23°C	Duration of Surve	
Parameter			Result NAAQS# Unit		Method	
hemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	6.3	80	µg/m³	JS 5/82 (Part 2) 2001		
Nitrogen Dloxide (NO2)	29.5	80	µg/m³	IS S82 (Part 6): 2006		
Particulate Matter (size les than 10 µm) or PM10	5 266	100	µg/m³	IS SH2 (Part 22):2006		
Particulate Matter (size les than 2.5µm) or PM2.s	5 103	60	µg/m³	EPCB Suddrine, Volume 136/2	1012-13. Page No. 6:2013	
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWRA), 3nd Ed. Me 48 Fept no. 402 (SSB		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EFA/675/R-96/010 a Compressium Method ID-31 9 3.7		
Carbon Monoxide (CO)	0.88	4	mg/m³	CPD8 Suidelines, Volume 1, 37	1/2012-13, Page re. 15, 2013	
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	CPCB Buiddines: Volume 1.36/	/202-13 Page Nr. 35-200	
Benzene (CaHo)	BLQ (LOQ:1)	5	hō/w _a	18 Si82 (Part II) 200G		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		IS 5983 (Part 12): 2904	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/E25/R-96/00 a Compendium Method (0-3) 8-3.4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-36/DtE a Comps	ndium Method IB 318 32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5117

Report No. AA/04/23/5117

Report Date

11/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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NOISE LEVEL MEASUREMENT REPORT

	TOTAL PERFECTIVE ASSOCIATION	LITT INC. OILL			
Sample ID: N/04/23/5150	Report No.: N/04/23/5150 Report Date 08/04/2023				
Name and Address of Customer	PNP Maritime Services Private Limit 2nd Floor, Lanadowne House, Mahakavi Bhushan Road, Colaba, Mumbai – 400 001	ted			
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise		
Order Reference	As per PO No. PNP/March/YB/2022- 23/001 Dated 31.03.2023	Date-Monitoring	03/04/2023		

Location	Results Noise Level dB (A) Fast Response		Results Noise Level dB (A) Slow Response	Method
A. Near Main Gate (PNP Port)	09:00	72,4	71.6	
	21:00	66.5	65.4	
B. Near Jetty No. 1 (PNP Port)	09:10	73.7	72.7	
	21:10	67.3	66.2	
C. Near Jetty No. 2 (PNP Port)	09:20	73.5	72.3	
	21:20	67.4	66.4	
D. Near Jetty No. 3 (PNP Port)	09:30	72.6	71.2	
	21:30	66.2	65.5	
E. Near Jetty No. 5 (PNP Port)	09:40	71.4	70.5	CPOS Protocol for Ambient Lav
	21:40	65.6	64.7	Noise Monstering, July MED/E/SAP/SEM/358-36, Int ms. 4. Incom date 31, 14, 2018
F. Near Weight Bridge (PNP Port)	09:50	73.2	72.5	
	21:50	67.4	66.2	
G. Near Custom Building (PNP Port)	10:00	73.5	72.4	
	22:00	67.6	66.5	
	10:10	73.3	72.2	
H. Near Lal Gate (PNP Port)	22:10	67.2	66,4	
I. Near DIL Main Gate (PNP Port)	10:20	72.4	71.5	
	22:20	66.7	65.6	
J. DIL Godown Back Side (PNP Port)	11:30	71.2	70.4	
	23:30	65.3	64.5	
		Limits		
As Per th	e Noise Pollu (R	tion (Regulation & Cor ules 3 (1) and 4(1))	ntrol) Rules, 2000	
2000400	Limits in dB (A) weighted scale			
Area Type	Da	y (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)	
	70		70	

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End of Report

Note:

Industria)

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4. There are no additions to, deviation or exclusions from the method.









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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/5240	Report No. AA/04/23/5240	Report Date	14/04/2023	
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra			
Sampling done by	Laboratory	Sample Description / Type	Ambient Air	
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	06/04/2023tc07/04/2023	
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 np. filter paper PM ₂ .s:1 x 1 np. filter paper SO ₂ , NO ₂ : 30 ml x 6 np. plastic bottle each NH ₃ : 10 ml x 24 np. plastic bottle Ozone: 10 ml x 1 np. plastic bottle CaHa: 1 x 6 np. charcoal tubes CO: 1 x 1 np. bladder	Date - Receipt of Sample	08/04/2023	
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023	
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023	

	Meteorological	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 12 km/h	Wind Direction N-NW	Relative Humidity (Max./Min.): 46/34%		Temperature (Max./Min.): 34/25°C	Duration of Survey 24 h	
Parameter Resu		NAAQS# Unit		Method		
hemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SOz)	8.3	80	µg/m³	IS 5/82 (Part 2) 2801		
Nitrogen Dioxide (NO ₂)	29.8	80	µg/m³	IS SIB7 (Part 6) 2006		
Particulate Matter (size les than 10 µm) or PM10	5 223	100	µg/m³	IS 9/82 (Part 23) 2806		
Particulate Matter (size less than 2.5µm) or PMz.s	s 134	60	μg/m³	GPGB Guideline, Value of 36/2017 (3. Page No.IS 2013)		
Ozone (O3)	BLQ (LOQ:19.6)	180	hð\w ₃	Nethods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 41 Page no. AUS 1998		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-9E/DID a Campro	EPA/E25/R-9E/DID a Composition Nethod ID-316-32	
Carbon Monoxide (CO)	1.46	4	mg/m³	CPCB Suidelines, Volume H. 37/2012-13, Page no.16, 2013		
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³		DPCB Suitelines, Volume 1:367/012-13, Page No.35, 2012	
Benzene (C ₆ H ₆)	1.35	5	µg/m³	15 5/82 (Part II) : 2106	IS SIB2 (Part II): 2106	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		The section of the se	
Arsenic (as As)	BLQ (LOQ:0.3)	- 6	ng/m³		EPA/E25/R-96/310 a Compendium Method IO-33 5 3 4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-35/30 a Compandium Method (0-31 § 3.2		

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

nAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5240

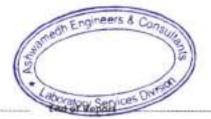
Report No. AA/04/23/5240

Report Date

14/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/524	 Report No. AA/04/23/5241 	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakaw Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	06/04/2023 to 07/04/2023
Sample Quantity / Packing	PM:o, Bap, Metals: 1 x 3 no. filter paper PM:s:1 x 1 no. filter paper SO:2, NO:2: 30 ml x 6 no. plastic bottle each NH:s: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

A CONTRACTOR OF THE PARTY OF TH	Wind Direction	Relative Hum		tal Conditions Temperature	Duration of Survey	
Average Wind Velocity 12 km/h	N-NW	(Max./Min.): 4	13.123.50	(Max./Min.): 34/25°C	24 h	
Parameter	Result	NAAQ5# 2009	Unit	4	Method	
Chemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	6.3	89	µg/m³	15 5/82 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	25.7	80	µg/m³	JS 5/87 (Part 6): 2006		
Particulate Matter (size less than 10 µm) or PM10	308	100	pg/m³	15 5/87 (Pert 22):2006		
Particulate Matter (size less than 2.5µm) or PMz.s	169	60	µg/m³	CFCB Guideline, Volume (36/	CPCB Guideline: Volume 136/2012-13. Page No. 5:2013	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and a 41. Page to: ADD 1588	Methods of Air Sampling and Analysis (AWMA). 3rd Ed. Method 48 Page on ADD 1588	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/675/8-95/000 a Campe	EPA/675/8-95/010 a Compendium Method ID-31 6 3 7	
Carbon Monoxide (CO)	1.20	4	mg/m³	CPCB Guidelines. Volume II. 37/2012-12. Page no 16: 2010		
Ammonia (NHx)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines. Voluma I 3B.	CPCB Guidelines. Voluma I 38/2012-13. Page No 35: 2013	
Benzene (CeHe)	1.22	5	µg/m³	15 5/82 (Part II) 2006	13 5/82 (Part II) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	or presentations routers	15 5/62 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/EZS/R-95/DIO a Campa	EFA/625/R-96/DIC a Companioum Method IO-3.1 6 3 4	
Nickel (as NI)	BLQ (LOQ:3)	20	ng/m³	EFA/675/F-95/010 a Campo	EFA/675/R-95/010 a Campandum Methat IO-31 S 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5241

Report No. AA/04/23/5241

Report Date

14/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/524	 Report No. AA/04/23/5242 	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	06/04/2023 to 07/04/2023
Sample Quantity / Packing	PM:s, Bap, Metals: 1 x 3 no. filter paper PM:::1 x 1 no. filter paper SO:: NO:: 30 ml x 6 no. plastic bottle each NH:: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO:: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions		
Average Wind Velocity 12 km/h	Wind Direction N-NW	Relative Humidity (Max./Min.): 46/34%		Temperature (Max./Min.): 34/25°C	Duration of Survey 24 h	
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group: A	Atmospheric Polluti					
Sulphur Dioxide (502)	10.4	80	µg/m³	15 5/82 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	26	80	µg/m³	18 5/82 (Part S): 2606		
Particulate Matter (size less than 10 µm) or PM10	188	100	µg/m³	IS SIB2 (Part 20) 2006		
Particulate Matter (size less than 2.5µm) or PM2.s	116	60	µg/m³	DPCB Suicidine, Volume 1,36/20	12-13 Page No.15-2013	
Ozone (O3)	BLQ (LOQ:19.6)	180	µд/т³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 4tt Page no. 403 /988		
Lead (as Pb)	BLQ (LOQ:0.02)	-1	µg/m³	EPA/E25/R 9E/DIG a Comprine	ium Method ID-31 ii 3.7	
Carbon Monoxide (CO)	1.33	4	mg/m³	CPCB Guidelines, Valume II. 377	2012-13. Prige no.16: 2013	
Ammonia (NH _A)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines: Valume I.36/2	012-13. Page No. 25-2013	
Benzene (C ₄ H ₆)	1.43	5	µg/m³	IS 5/82 (Part II) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	- 3	ng/m³	IS 5/82 (Part IZ): 2004		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/525/R-96/OID a Compend	ism Method ID-31 § 3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-96/010 a Compand	ium Method ID-31 8 3 2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5242

Report No. AA/04/23/5242

Report Date

14/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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AEC/F/REP/1-B Page 2 of 2





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/524	3 Report No. AA/04/23/5243	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	06/04/2023 to 07/04/202
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHa: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

	Meteorological					
Average Wind Velocity	Wind Direction	Relative Humidity		Temperature	Duration of Survey 24 h	
12 km/h	N-NW	(Max./Min.): 4		(Max./Min.): 34/25°C	1000 000	
Parameter	Result	NAAQS# 2009	Unit		Method	
hemical Testing; Group	Atmospheric Pollution	on				
Sulphur Dioxide (50 ₂)	9.4	80	µg/m³	IS SIB2 (Part 2): 2001		
Nitrogen Dioxide (NOs)	26.8	80	µg/m³	IS 5182 (Part E) 2006		
Particulate Matter (size les	s 330	100	µg/m³			
Particulate Matter (size les than 2.5µm) or PM2.5	s 141	60	hg/w ₃	CPCB Guideline, Valume 136/1		
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AVMA), 3rd Ed., Metho 40 Page no. 463:1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³	The state of the s	- Helbert - Legiste	
Carbon Monoxide (CO)	1.59	4	mg/m³			
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCH Godelines, Volume 1367	7312-G. Page No.35-703	
Benzene (CkHk)	1.41	5	µg/m³	S S/E2 (Fart II) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ^a	The second second second	S S62 (Fert IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/E25/R-36/ISS a Companium Method IS-316-31	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/018 a Compa	ndum Method IB-318 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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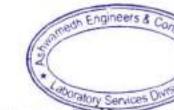
Sample ID : AA/04/23/5243

Report No. AA/04/23/5243

Report Date

14/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



Note

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3. In case sampling is not done by laboratory, the results apply to the sample as received.

4. There are no additions to, deviations or exclusions from the method.









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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/5244 Report No. AA/04/23/5244		Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	06/04/2023tc 07/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.5:1 x 1 no. filter paper SO2, NO2: 30 mi x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHa: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

Average Wind Velocity 12 km/h	Wind Direction N-NW					Temperature (Max./Min.): 34/25°C	Duration of Survey 24 h
Parameter	Result				Method		
Chemical Testing; Group:	Atmospheric Pollution	on					
Sulphur Dioxide (SO ₂)	11.5	80	µg/m³	IS 5/82 (Part 2): 2001			
Nitrogen Dioxide (NO ₂)	28.7	80	µд/т³	12 5/82 (Part 6): 2006			
Particulate Matter (size les than 10 µm) or PM10	s 249	100	µg/m³	15 5/82 (Part 23) 2006			
Particulate Matter (size les than 2.5µm) or PM2.s	s 102	60	µg/m³	CPCB Guideline, Valurie 1.36/2	7317-13. Page No.15-2313		
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Tampling and A 41 Page no. 405 1588	inalysis (AWMA), 3nd Ed. Method		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/т³	EPA/E25/R-9E/DIO a Compor	ndum Method ID 33 E 37		
Carbon Monoxide (CO)	1.16	.4	mg/m³	CPCB Suidekress, Valume 10, 37	7/2012-13. Page nu.16: 2013		
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Velume I.36/	72017-13. Paga No. 35: 2013		
Benzene (C ₆ H ₆)	1.51	5.	µg/m³	(S.5182 (Part 8) 2006			
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³				
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³				
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/010 a Compo	idium Nethud IO-318-3.2		

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5244

Report No. AA/04/23/5244

Report Date

14/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/524	5 Report No. AA/04/23/5245	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	06/04/2023to 07/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NHs: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

Meteorological Data / Environmental Conditions

Average Wind Velocity	Wind Direction	Relative Hum	2000000	Temperature	Duration of Survey
12 km/h	N-NW	(Max./Min.): 46/3		(Max./Min.): 34/25°C	24.h
Parameter	Result	NAAQS# 2009	Unit	,	lethod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	7.3	80	µg/m³	IS 5182 (Part 2): 2001	
Nitrogen Dioxide (NO ₂)	26.5	80	µg/m³	IS 5687 (Part 5): 2006	
Particulate Matter (size less than 10 µm) or PM:=	s 350	100	μg/m³	IS 5182 (Part 23) 2006	
Particulate Matter (size less than 2.5µm) or PM _{2.5}	125	60	µg/m³	CPCB Suitative, Valume (36/2)	37 (2 Page No.5-20:3
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Air 41 Page no. 403:1588	relysis (AWMA), 3rd Ed., Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	hd/w ₃	EPA/EZ5/R-95/BID a Campen	dum Method ID-31 6 3 2
Carbon Monoxide (CO)	1.38	4	mg/m³	CPCB Guidelines, Valume II, 37/	7017-13. Page no 16: 2313
Ammonia (NH»)	BLQ (LOQ:20)	400	km/ba	CPCB Soldelines, Valume 1:36/7	700-0. Page No 35: 700
Benzene (C+H+)	1.28	5	µg/m³	4S 5/82 (Part III : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/87 (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/625/8-96/040 a Company	dum Method (Q-31 5 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	rig/m³	EPA/EZ5/R-96/010 a Compen	dum Method IQ-31 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5245

Report No. AA/04/23/5245

Report Date

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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/524	 Report No. AA/04/23/5246 	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	06/04/2023to 07/04/202
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsH6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	D8/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

	Meteorologica	I Data / Env	rironmen	tal Conditions	
Average Wind Velocity 12 km/h	Wind Direction N-NW	Relative Humidity (Max./Min.): 46/34%		Temperature (Max./Min.): 34/25°C	Duration of Survey
Parameter	Result	NAAQS# 2009	Unit		lethod
Chemical Testing; Group:	Atmospheric Polluti				
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	IS 5882 (Part 2): 2801	
Nitrogen Dioxide (NO ₂)	29.2	80	µg/m³	IS 5(62 (Part II), 2006	
Particulate Matter (size less than 10 µm) or PM10	338	100	µg/m³	IS SI82 (Part 23) 2008	
Particulate Matter (size less than 2.5µm) or PM2.5	126	60	µg/m³	SPCB Guideline, Volume I 36/20	02-03 Page No.15 2013
Ozone (Oa)	BLQ (LOQ:19.6)	180	hà/wa	Wetheds of Air Sampling and An 40 Page no. 403 (588	alysis (AMMA), 3rd Ed., Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-36/DIG a Company	Sum Method 10-3.1 9-3.2
Carbon Monoxide (CO)	1.04	4	mg/m³	CPCB Guidelines, Valume II, 277	2017-13. Page no.16: 2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines: Valums I.36/2	002-01 Page No 35-2013
Benzene (CsHs)	BLQ (LOQ:1)	.5	µg/m³	15 5/82 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	T	ng/m³	IS 5/82 (Part I2): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-96/DG a Compred	iom Method ID-31 6:34
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-95/(90 a Compred	um Method IO-31 6 3 7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5246

Report No. AA/04/23/5246

Report Date

14/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/524	7 Report No. AA/04/23/5247	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	06/04/2023to 07/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHs: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions	
Average Wind Velocity 12 km/h			ndity 6/34%	Temperature (Max./Min.): 34/25°C	Duration of Surve 24 h
Parameter	Result	NAAQ5# 2009	Unit	N	Method
Chemical Testing; Group: A	Atmospheric Pollutio	on			
Sulphur Dioxide (SO ₂)	6.3	80	µg/m³	IS 5(82 (Fort 2): 200)	
Nitragen Dioxide (NO ₂)	27	80	µg/m³	S 5/82 (Part S): 2006	
Particulate Matter (size less than 10 µm) or PM ₁₀	363	100	h8/w _a	(\$ 5/82 (Part 73) 2006	
Particulate Matter (size less than 2.5µm) or PM2.5	147	60	ug/m³	CPCE Suideline. Valuatie 1.36/20	32-13. Page No.15-2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and An 411 Page no. 403 (ISB)	selysis (AWMA), 3rd Ed., Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/R-36/00 a Company	fum Mirthed ID-318-32
Carbon Monoxide (CO)	1.41	4	mg/m³	CPCB Guidelines. Valume II. 377	7012-13. Page no.16: 20:0
Ammonia (NH ₂)	BLQ (LOQ:20)	400	μg/m³	CPCB Guelahreps, Valuera 1.3672	1012-13. Page No. 35: 2013
Benzene (C+H+)	1.30	5	µg/m³	IS 582 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS-S82 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/\$25/R-98/010 a Compand	Sum Mathod (0-3) § 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/575/R-96/010 a Compand	ium Method IO-31 6 3.7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5247

Report No. AA/04/23/5247

Report Date

14/04/2023







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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/524	8 Report No. AA/04/23/5248	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	06/04/2023tc:07/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

	Meteorologica	Data / Env	ironment	al Conditions				
Average Wind Velocity 12 km/h	Wind Direction N-NW	Relative Humidity (Max./Min.): 46/34%					Temperature (Max./Min.): 34/25°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	The same of the sa	lethod			
Chemical Testing; Group:	Atmospheric Polluti	on						
Sulphur Dioxide (SO ₂)	5.2	80	µg/m³	IS-5/82 (Part 2): 2001				
Nitrogen Dioxide (NO ₂)	26.8	80	µg/m™	15 5/82 (Part E): 2005				
Particulate Matter (size less than 10 µm) or PM ₁₃	272	100	hã/w _a	15 5082 (Part 23)-2006				
Particulate Matter (size less than 2.5µm) or PM2.5	138	60	µg/m³	DPD8 Guideline, Volume I 36/20	12-13. Page No. 15-2013			
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AMMA), 3rd Ed. Method 41 Page no. 403 1988				
Lead (as Pb)	BLQ (LOQ:0.02)	1	hð\w ₃	SPA/E25/R-SE/DID a Compand	um Method ID 31 E 3 2			
Carbon Monoxide (CO)	1.54	4	mg/m³	CPCB Galdelines, Volume 11, 377	202-13, Page on 16-20-3			
Ammonie (NH ₃)	BLQ (LOQ:20)	400	hð/w ₃	DPCE Suidelines, Volume (.3E/2)	02-13 Page No.35 2013			
Вепгеле (С«Н»)	1.40	5	µg/m³	IS 5/82 (Part 1) : 2106				
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(S 5/82 (Part (Z): 2004				
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EP4/E75/R-96/(00) a Compendi	um Method IG-31 E 3 4			
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-96/IDE a Campand	em Method (0-1) 5 3 2			

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5248

Report No. AA/04/23/5248

Report Date

14/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





End of Report

Note:

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AMBIENT AIR QUALITY MONITORING REPORT

Sample 1D : AA/04/23/524	9 Report No. AA/04/23/5249	Report Date	14/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	06/04/2023to 07/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂₋₃ :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ He: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	08/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	13/04/2023

	Meteorologica			tal Conditions	
Average Wind Velocity 12 km/h	Wind Direction	Relative Humidity		Temperature (Max./Min.): 34/25°C	Duration of Survey
Parameter	N-NW Result	(Max./Min.): 46/34% NAAOS# U			tethod
Parameter	Result	2009	Unit		tetnod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	7.3	80	µg/m³	IS 582 (Pwt 2): 200	
Nitrogen Diaxide (NO ₂)	29.5	80	ид/та	IS 5/87 (Part St. 2005)	
Particulate Matter (size les than 10 µm) or PM++	5 268	100	µg/m³	IS 5/82 (Part 23) 2006	
Particulate Matter (size les than 2.5µm) or PM2.5	5 118	60	µg/m³	CPCB Suideline, Valume 135/21	112-13. Page No./5.20:0
Ozone (O ₃)	BLQ (LOQ:19.6)	180	h8/ur ₃	Methods of Air Sampling and Analysis (ABMA), 3rd Ed. Method 40 Page no. 403-1588	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/R-36/010 a Carqueto	3um Method (0-3) 5 3 2
Carbon Monoxide (CO)	1.08	:4	mg/m³	CPDB Suidelines, Volume II, 37/	7917-13. Page no.16: 7010
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPDB Suidelines, Volume I.38/3	7092-13, Paga No. 35, 2013
Benzene (Cette)	BLQ (LOQ:1)	.5	µg/m³	IS SIBZ (Piet II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(\$ 5182 (Fart (2): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-95/310 a Compeni	from Method ID-31 § 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EFA/675/R-96/010 a Compres	flum Methad IG-3183.7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample 1D : AA/04/23/5249

Report No. AA/04/23/5249

Report Date

14/04/2023





Note:

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- 4. There are no additions to, deviations or exclusions from the method.









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sales@ashwamedh.net +91-253-2392225

NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/04/23/5263	Report No.: N/04/23/5263 Report Date 12/04/2023				
Name and Address of Customer	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400 001	ted	10		
Monitoring Done By	Laboratory	Sample Description (Type	Ambient Noise		
Order Reference	As per PO No. PNP/March/YB/2022- 23/001 Dated 31.03.2023	Date-Monitoring	06/04/2023		

Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method	
A. Near Main Gate (PNP Port)	09:00	72.3	71.3		
	21:00	66.5	65.6		
B. Near Jetty No. 1 (PNP Port)	09:10	73.7	72.6		
b. Near Jetty No. 1 (PNP Port)	21:10	67.4	66.3].	
C. Near Jetter No. 3 (DND Deet)	09:20	72.5	71.2		
C. Near Jetty No. 2 (PNP Port)	21:20	66.6	65.8		
	09:30	73,7	72.4		
D. Near Jetty No. 3 (PNP Port)	21:30	67.4	66.2		
E Name torth: No. E (DAID Doct)	09:40	73.3	72.5	EPDS Protocol for Ambient Le Spise Monitoring, Julia 4EE/E/SAP/SAM/338-36 loss no. 4. losse data DI S4/208	
E. Near Jetty No. 5 (PNP Port)	21:40	67.4	66.3		
F. Near Weight Bridge (PNP	09:50	71.6	70.7		
Port)	21:50	65,7	64.3		
G. Near Custom Building (PNP	10:00	73.4	72.2		
Port)	22:00	67.5	66.6		
H. Near Lai Gate (PNP Port)	10:10	73.2	72.4		
n. Wear Lai Gate (PRP PORT)	22:10	67.4	66.2		
I. Near DIL Main Gate (PNP	10:20	72.6	71.3		
Port)	22:20	66.3	65.6		
J. DIL Godown Back Side (PNP	11:30	71.4	70.5		
Port)	23:30	65.7	64.3		
		Limits			
As Per the		ion (Regulation & Con iles 3 (1) and 4(1))	trol) Rules, 2000		

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



Limits in d8 (A) weighted scale

-End of Report

Day (5 a.m. to 10 p.m.)

Note:

Area Type

Industrial

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- 4. There are no additions to, deviation or exclusions from the method.



Night (10 p.m. to 6 a.m.)

20







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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/533	9 Report No. AA/04/23/5339	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023
Sample Quantity / Packing	PM _{2.9} : 1 x 1 no. filter paper PM _{2.9} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

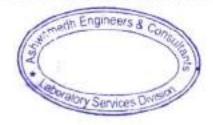
Average Wind Velocity 11 km/h	Wind Direction N-W	Relative Hum (Max./Min.): 5	- 1.00°	Temperature (Max./Min.): 35/25°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	,	Method
hemical Testing; Group:	Atmospheric Pollutio	on			
Sulphur Dioxide (SO ₂)	9.4	80	µg/m³	IS 5/82 (Part 2): 2001	
Nitrogen Dioxide (NO ₂)	30.3	80	µg/m³	IS 5/87 (Part 6): 2006	
Particulate Matter (size less than 10 µm) or PM10	224	100	µg/m³	IS 5/82 (Part 23):2008	
Particulate Matter (size less than 2.5µm) or PM2.s	130	60	µg/m³	CPCB Suideline, Volume 136/2	00-13 Page No.15-20/3
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Air 40 Page no: 403 (588	nalysis (ANNA), 3rd Ed., Norhed
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/R-96/DID = Complex	dum Methad ID-3.1 \$ 3.2
Carbon Monoxide (CO)	1.49	4	mg/m³	CPCB Suddines, Valums 1, 37	/7012-13. Page no./6-7010
Ammonia (NH ₃)	BLQ (LOQ:20)	400	на/шэ	CPCB Surfelieus, Yolunu (36/	2012-13. Page No. 25: 2013
Berizene (CeHe)	1.22	5	μg/m³	19 5187 (Port 10 : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/87 (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	-6	ng/m³	EFA/EZ5/R:96/010 a Compon	dum Methat ID-31 B 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/010 a Compen	dum Method (0-3) 53.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5339

Report No. AA/04/23/5339

Report Date

18/04/2023





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/534	6 Report No. AA/04/23/5340	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂ .s:1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₈ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHs: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Dute - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions	
Average Wind Velocity	Wind Direction	Relative Hum	Principle	Temperature	Duration of Surve
11 km/h	N-W	(Max./Min.): 5		(Max./Min.): 35/25°C	24 h
Parameter	Result	NAAQS# 2009	Unit		Method
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	10.4	80	µд/тэ	IS 5/97 (Part 2): 2001	
Nitrogen Dioxide (NO ₂)	27.9	80	µg/m³	15 5/82 (Part E) 2008	
Particulate Matter (size les than 10 µm) or PM ₁₈	s 285	100	ид/та	IS 5/82 (Part 23):2006	
Particulate Matter (size les than 2.5µm) or PMx.s	s 134	60	µg/m³	CPCB Suideline. Volume 1.36/2	1017-13. Page No.15-2010
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and A 41 Page no. 403 1588	realistic (AMMA), 3rd fd., Retholi
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/875/R-96/DID a Compar	dium Method ID-31 8 3 2
Carbon Monoxide (CO)	1.58	4	mg/m³	CPCB Societines, Valume II, 37	/2012-13, Page no./6, 2013
Ammonia (NH2)	BLQ (LOQ:20)	400	µд/т³	DPDB Suddines, Yolune 1:367	2017-13: Page No.35: 2013
Benzene (C ₄ H ₄)	1.37	.5	µg/m³	(\$ 5187 (Part ti) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(\$ 5197 (Pert (2): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	-6	ng/m³	EPA/E75/R-96/DIC a Compor	stum Methad IQ-31 8 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/EZ5/R-9E/DIG a Comper	dum Mithat 10-31 5 3 2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5340

Report No. AA/04/23/5340

Report Date

18/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



Note

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/534	 Report No. AA/04/23/5341 	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	A	1.00000
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	10/04/2023to11/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH2: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsH6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

Matangalagical Data / Environmental Conditions

Average Wind Velocity 11 km/h	Wind Direction N-W	Relative Hum (Max./Min.): 5	33.50 \$ 5	Temperature (Max./Min.): 35/25°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit		lethod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (502)	7.3	80	µg/m³	IS 5/82 (Part 2): 200	
Nitrogen Dioxide (NO ₂)	26.2	80	µg/m³	IS 5/82 (Part 5): 2006	
Particulate Matter (size les than 10 µm) or PM10	5 318	100	µg/m³	15 5/82 (Part 23):2006	
Particulate Matter (size les than 2.5µm) or PM2.1	5 107	60	µg/m³	CPCB Guideline, Valume I 36/30	1/2-13. Page No.15-2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and An 411 Page oz. 463 :1988	relysis (AWMA), 3rd Ed., Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/675/R-96/018 o Compreso	Sun Methad 10-31 & 3.2
Carbon Monoxide (CO)	1.28	4	mg/m³	CPCB Guidelines: Valume 11, 37/	20/2-12. Page no.16: 3013
Ammonia (NHa)	BLQ (LOQ:20)	400	hg/w ₃	CPCB Guidalines, Volume 1.36/2	70(7-13), Pagu No.35-20(3
Benzene (C ₆ H ₆)	1.11	5	µg/m³	18 Si82 (Part II): 2008	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/82 (Part /2): 2064	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPIL/E25/R-96/010 a Congress	fium Method 10-31 5:34
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPIL/625/R-96/010 a Compen	Sum Methop10-21 5 3 2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID: AA/04/23/5341

Report No. AA/04/23/5341

Report Date

18/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



End of Report

Note

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/534	2 Report No. AA/04/23/5342	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	10/04/2023to 11/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NHa: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 11 km/h	Wind Direction N-W			Temperature (Max./Min.): 35/25°C	Duration of Survey 24 h	
Parameter	Result	NAAQ5# 2009	Unit	,	fethod	
Chemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SU ₂)	8.3	80	µg/m³	IS 5182 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	26.8	80	µg/m³	IS 5/82 (Part 8): 2006		
Particulate Matter (size less than 10 µm) or PM10	s 329	100	µg/m³	12 5/82 (Part 23) 2006		
Particulate Matter (size less than 2.5µm) or PM2.5	120	60	µg/m³	CPCB Suideline, Valume (35/2	DI2-13. Page No.15-2013	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (ARMA), 3nd Ed., Method 4tt Page no. 403:3988		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/H-96/BIE a Compres	dium Method ID-318 3.7	
Carbon Monoxide (CO)	1.61	4	mg/m³	DPD8 Suitelines, Volume (1, 37)	7012-CL Page ret /6: 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	DPCB Guidelines, Volume I 367	2012-13, Page No. 25: 7013	
Benzene (C ₄ H ₈)	1.45	5	µg/m³	IS 5/87 (Part II) - 2006		
Berizo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	rig/m³	S 5/87 (Part 17): 2004	IS 5667 (Part ID): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	-6	ng/m³	EPA/E25/R-95/DIB a Company	EPA/E25/R-95/DIB a Compandium Method (ID-3) E-3 4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/EZS/R-95/0t0 a Compete	Sum Method III-31 8 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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18/04/2023

Laboratory Services Division TC-5509 sales@ashwamedh.net +91-253-2392225

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by

Sample ID : AA/04/23/5342



Report No. AA/04/23/5342



Report Date:

Note

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/534	3 Report No. AA/04/23/5343	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No.5 (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023
Sample Quantity / Packing	PM1s, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31:03:2023	Date - Completion of Analysis	17/04/2023

Average Wind Velocity	Wind Direction	Relative Hum	idity	Temperature	Duration of Surve
11 km/h	N-W	(Max./Min.): 5	677935/200	(Max./Min.): 35/25°C	24 h
Parameter	Result	NAAQS# 2009	Unit		lethod
Chemical Testing; Group:	Atmospheric Polluti	on			
Sulphur Dioxide (SOz)	6.3	80	ид/та	(5.5/82 (Part 2), 200)	
Nitrogen Dioxide (NO ₂)	29.2	80	µg/m³	IS 5/87 (Part 6): 2006	
Particulate Matter (size les than 10 µm) or PM10	s 249	100	hū/w ₃	IS 5/82 (Part 23):2006	
Particulate Matter (size les than 2.5µm) or PM _{2.5}	s 103	60	pg/m³	CPCB Suideline Valume 135/2	0(2-13 Piege No) 5-2013
Ozone (Os)	BLQ (LOQ:19.6)	180	hā/w ₃	Methods of Air Sampling and Analysis (AWMI). 3nd Ed. 40 Page no. 402 (1988)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	 EPA/E25/R-96/DID a Corruptedom Method ID-315-32 	
Carbon Monoxide (CO)	1.34	4	mg/m³	CPCB Eudelines, Valume 1, 37/	7012-13. Page to 16: 7013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	h8/w ₃	CPCE Surielines. Volume 1.3677	2012-13, Page No. 35, 2013
Benzene (C _k H _k)	1.90	5	hð/w ₃	IS 5182 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	ng/m² (5 5/82 (Pert 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/675/R-96/Tit0 a Companition Method (0-3.16-3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/010 ± Compon	from Method ID-31 B-3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5343

Report No. AA/04/23/5343

Report Date

18/04/2023

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AEC/F/REP/1-B Page 2 of 2





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/534	4 Report No. AA/04/23/5344	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

Meteorological Data / Environmental Conditions

	receordingica	Data / File	ii ominien	tai conditions		
Average Wind Velocity	Wind Direction	Relative Hum	idity	Temperature	Duration of Surve	
11 km/h	N-W	(Max./Min.): 5	0/38%	(Max./Min.): 35/25°C	24 h	
Parameter	Result	NAAQ5# 2009	Unit		lethod	
Chemical Testing; Group	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	12.5	80	µg/m³	IS 5682 (Part 7): 2001		
Nitrogen Dioxide (NO ₂)	27.6	80	µg/m³	IS 5987 (Pwrt 8): 2006		
Particulate Matter (size les than 10 µm) or PM1s	s 350	100	µg/m³	IS 5082 (Part 23) 2006		
Particulate Matter (size les than 2.5µm) or PM _{2.5}	s 142	60	µg/m³	EPCB Guideline: Valume 136/2	0/2-12 Page No15-2013	
Ozone (Oa)	BLQ (LOQ:19.6)	180	pg/m³	Mothods of Air Sampling and Analysis (AWMA), 3nd Ed. Meth 41.Page no. 403:1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/EZ5/R-96/000 a Campendium Method ID-31 6:3.7		
Carbon Monoxide (CO)	1.48	4	mg/m³	CPCB Eurobines, Volume 1; 37/	7312-13. Page no.16: 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	H8/W ₃	DPD8 Suidelines, Volume 1,36/2012-12, Page No.35-2013		
Benzene (CsHs)	1.38	5	µg/m³	18 5182 (Part III : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(\$ 5/82 (Part 12): 2004	(\$ 5/82 (Pert 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-96/010 a Compensium Method (0-3.16-3.4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/675/R-96/010 a Compens	fum Method ID-315-3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5344

Report No. AA/04/23/5344

Report Date

18/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/534	5 Report No. AA/04/23/5345	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂₋₅ : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NHx: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₄ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Réceipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

Meteorological Data / Environmental Conditions

	meteorologica	Data / Env	ironmen	tai conditions		
Average Wind Velocity	Wind Direction	= - T. O.		Temperature	Duration of Surve	
11 km/h	N-W			(Max./Min.): 35/25°C	24 h	
Parameter	Result				Method	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (502)	10.4	80	µg/m³	IS 5/82 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	30.6	80	µg/m³	IS 5/82 (Part 6): 2006		
Particulate Matter (size les than 10 µm) or PM10	s 329	100	µg/m³	IS 5/82 (Part 23):2006		
Particulate Matter (size less than 2.5µm) or PMs.s	119	60	µg/m³	CPCB Suideline, Volume 138/7	007-13. Page No.15.2003	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	hō/w ₃	Methods of Air Sampling and Analysis (AMMA), 3nd Ed. Worts 40 Page no. 400: ISS8		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EFA/E25/R-96/010 a Compression Method IQ-3 (8-3-2		
Carbon Monoxide (CO)	1.08	4	mg/m³	1208 Suddines, Yolune S. 37-	/2012-13 Page no (6: 701)	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	DPDB Suidelines, Volume 1,367	2012-13: Page No. 35: 2013	
Benzene (CsHs)	BLQ (LOQ:1)	5	hd/w ₃	IS 5/82 (Part II) : 2606		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5187 (Part IZ); 7004		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/675/P-96/010 a Company	EFA/625/P-96/00 a Compandium Method IO-21 6 3 A	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EFA/E25/R-96/010 a Compera	dum Method 10:31 8:32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5345

Report No. AA/04/23/5345

Report Date

18/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample II): AA/04/23/534	6 Report No. AA/04/23/5346	Report Date	18/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂ , t: 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₂ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₄ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023

	Meteorologica	Data / Env	rironmen	tal Conditions		
Average Wind Velocity	Wind Direction	Relative Humidity (Max./Min.): 50/38%		Temperature	Duration of Surve	
11 km/h	N-W			(Max./Min.): 35/25°C	24 h	
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	11.5	80	µg/m³	/5 5/82 (Pwrt 2): 2001		
Nitrogen Dioxide (NO ₂)	29.5	80	µg/m³	IS 5/82 (Part 6): 2006		
Particulate Matter (size less than 10 µm) or PM10	332	100	µg/m³	15 5182 (Part 23)-2006		
Particulate Matter (size less than 2.5µm) or PM2.s	134	60	μg/m³	CPDB Guideline, Volume I 36/2	02-13 Page No.15-7013	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 41.Page no. 403-1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-9E/000 a Compen	dum Method (D-3) E-32	
Carbon Monoxide (CO)	1.60	4	mg/m³	DPDB Soudstines, Volume 8, 37	7392-G. Fage sq. 6-2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	μg/m³	DPD8 Suidelines, Volume 1267	2012-13. Page No 35-2013	
Benzene (C ₆ H ₆)	1.43	5	µg/m³	IS 5182 (Part 1): 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m*	15 5182 (Part 17): 2004	IS SIB2 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m*	69A/E25/R 9E/30 a Compris	EPA/EZS/P: 9E/30 a Compendium Method (G-3): 5:3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	E9A/E75/8-9E/OID a Campany	dum Method IO-31 & 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/D4/23/5346

Report No. AA/04/23/5346

Report Date

18/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/534	7 Report No. AA/04/23/5347	Report Date	18/04/2023	
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra			
Sampling done by	Laboratory	Sample Description / Type	Ambient Air	
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	10/04/2023tc 11/04/2023	
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023	
Sampling Procedure	As per method reference	Date - Start of Analysis	12/04/2023	
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023	

	Meteorologica	Data / Env	vironmen	tal Conditions	
Average Wind Velocity 11 km/h	Wind Direction	Relative Hum (Max./Min.): 5	2007	Temperature (Max./Min.): 35/25°C	Duration of Survey
Parameter	Result	NAAQS# 2009	Unit		Z4 h Method
Chemical Testing; Group:	Atmospheric Polluti				
Sulphur Dioxide (SO ₂)	9.4	80	µg/m³	IS 3(82 (Part 2): 200)	
Nitrogen Dioxide (NOz)	30.1	80	µg/m³	IS SIB2 (Part 5): 7006	
Particulate Matter (size les than 10 µm) or PM::	5 240	100	µд/т³	IS 5187 (Part 23), 2006	
Particulate Matter (size les than 2.5µm) or PM _{2.5}	146	60	µg/m³	CPC8 Quideline Valume (36/2)	10-13 Fage No.15.29/3
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Tampling and Analysis (AMMA), 3rd Ed., Methods, Pageine, 403 (958)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	The state of the s	
Carbon Monoxide (CO)	1.46	4	mg/m³	CPCB Guidelines, Valume 11, 37/	7017-13. Page no.16: 2013
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³		
Benzene (C ₁ H ₆)	1.47	5	µg/m³	18 SIBZ (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(\$ 5/82 (Port (2): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-36/010 a Compendium Method IO-31 8:3 A	
Nickel (as NI)	BLQ (LOQ:3)	20	ng/m³	EFA/625/R-95/0/0 a Compand	ium Method IB-31 8 3 7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5347

Report No. AA/U4/23/5347

Report Date

18/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/534	8 Report No. AA/04/23/5348	Report Date	18/04/2023	
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra			
Sampling done by	Laboratory	Sample Description / Type	Ambient Air	
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	10/04/2023 to 11/04/2023	
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.st1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsH6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	12/04/2023	
Sampling Procedure	As per method reference	Date - Start of Analysis	tart of Analysis 12/04/2023	
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	17/04/2023	

	Meteorologica	Data / Env	rironmen	tal Conditions	
Average Wind Velocity 11 km/h	Wind Direction N-W	Relative Humidity Temperature Duration of		Temperature	Duration of Survey
Parameter	Result			lethod	
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO2) 8.3		80	µg/m³	IS 5687 (Part 2): 2021	
Nitrogen Dioxide (NOz)	26.8	80	µg/m³	15 5/82 (Part II): 2096	
Particulate Matter (size less than 10 µm) or PM ₁₀	265	100	µg/m³	15 5182 (Part 23) 2506	
Particulate Matter (size less than 2 Sµm) or PM _{2.5}	112	60	µg/m³	SPCB Guideline, Valume 36/2017-G. Page No. 5-2013	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3nd Ed., Method 41 Page no. 403 1588	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/675/R-96/010 a Compression Method ID-31 5 3.2	
Carbon Monoxide (CO)	1.04	.4	mg/m³	DPCB Suidelines, Volume H, 37/2012-SL Page no.16: 2010	
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	EPCB Suidelines, Volume 36/2017-13. Page No 35: 2012	
Benzene (CeHe)	BLQ (LOQ:1)	5	μg/m³	15 5(82 (Part II), 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	rig/m³	15:5182 (Part 12): 2004	
Arsenic (as As)	8LQ (LOQ:0.3)	6	ng/m³	EPA/625/R-36/3/0 a Compendium Method 40-11/5/3/4	
Nickel (as Ni) BLQ (LOQ:3)		20	ng/m³	EFA/575/R-98/DID a Comprodum Method (D-11 8:32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5348

Report No. AA/04/23/5348

Report Date

18/04/2023

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- 4. There are no additions to, deviations or exclusions from the method.









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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/04/23/5410	Report No. N/04/23/5410 Report Date 15/04/2023				
Name and Address of Customer	PNP Maritime Services Private Limi 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colabe, Mumbai – 400 001	ted			
Montoring Done By	Laboratory	Sample Description /Type	Ambient Noise		
Order Reference	As per PO No. PNP/March/YB/2022- 23/001 Dated 31.03.2023	Date-Monitoring	10/04/2023		

Chemical Testing; Group: Atn	nospheric Poll	ution		
Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method
A. Near Main Gate (PNP Port)	09:00	72.4	71.3	
ALL Medit Plant Gate (PMP PORT)	21:00	66.6	65.7	
B. Near Jetty No. 1 (PNP Port)	09:10	73.3	72.5	1
6. Near Jetty No. 1 (PNP Port)	21:10	67.8	66.4	1
C. Near Jetty No. 2 (PNP Port)	09:20	71.7	70.6	1
C. Hear Setty No. 2 (PNP POR)	21:20	65.3	64.2	
D. Near Jetty No. 3 (PNP Port)	09:30	73.2	72.3	
D. Near Jetty No. 3 (PNP Port)	21:30	67.4	56.6	
E. Near Jetty No. 5 (PNP Port)	09:40	73.4	72.2	CFC8 Protocol for Andreas Le Noise Monitoring, July AED/D/SAF/SJM/758-35, Ico no. A. Issue date DI S4-708
c. Hear Jetty No. 3 (PNP POIL)	21:40	67.7	66.3	
F. Near Weight Bridge (PNP	09:50	72.6	71.5	
Port)	21:50	66.4	65.2	
G. Near Custom Building (PNP	10:00	73.3	72.4	
Port)	22:00	67.6	66.5	
H. Near Lai Gate (PNP Port)	10:10	72.4	71.7	
n. Near Lai Gate (PNP Port)	22:10	66.3	65.2	
I. Near DIL Main Gate (PNP	10:20	73.7	72.3	
Port)	22:20	67.4	66.6	
1. DIL Godown Back Side (PNP	11:30	71.2	70.2	
Port)	23:30	65.3	64.4	
		Limits	100,000	
As Per the	e Noise Polluti (Ru	ion (Regulation & Cont les 3 (1) and 4(1))	trol) Rules, 2000	
Area Type			weighted scale	
to type	Day	(6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
			1.5	

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Note:

Industrial

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4. There are no additions to, deviation or exclusions from the method.



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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/5534	4 Report No. AA/04/23/5534	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM1e, Bap, Metals: 1 x 3 no. filter paper PM2.s: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NHa: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHa: 6 no. charcoal tubes CO: 1 no. biadder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

	Meteorologica	Data / Env	ironmen	tal Conditions	
Average Wind Velocity 16 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	Standard Colored	Temperature (Max./Min.): 37/28°C	Duration of Survey 24 h
Parameter	Result	NAAQS#	Unit	ALCOHOL STATE OF THE STATE OF T	lethod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (502)	10.4	80	pg/m³	45 5182 (Fart 2): 2001	
Nitrogen Dioxide (NO ₂)	29.5	80	µg/m³	IS 5687 (Part 6): 2006	
Particulate Matter (size les than 10 µm) or PM10	s 230	100	µg/m³	IS 5182 (Part 23):2005	
Particulate Matter (size less than 2.5µm) or PM _{2.8}	s 137	60	µg/m³	DPSB Guideline, Volume I 36/20	07-11 Page No. 6:20/3
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AMMA), 3rd Ed., Meth 41. Page no. 403:1988	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-96/100 a Compres	dum Method (B-318 3.2
Carbon Monoxide (CO)	1.56	4	mg/m³	12/18 Suidelines, Volume 11, 377	2012-01 Page no 16 2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	DPDB Guidelines, Volume 1:36/7	2012-13 Page No.35-2013
Benzene (C ₄ H ₆)	1.29	5	μg/m³	IS 5/82 (Fart II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5182 (Part 12): 2604	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m*	TPA/E25/R 96/DIE a Composi	Gurn Method ID-218 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	rig/m³	EPA/625/R-36/DIS a Compens	dium Method ID-315 3.7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5534

Report No. AA/04/23/5534

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/553	5 Report No. AA/04/23/5535	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.8: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 6 no. charcoal tubes C0: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Dute - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

	Meteorologica	Data / Env	ironmen	tal Conditions	
Average Wind Velocity 16 km/h	THE PROPERTY OF THE PROPERTY O		Temperature (Max./Min.): 37/28°C	Duration of Survey 24 h	
Parameter	Result	NAAQ5# 2009	Unit		Method
Chemical Testing; Group:	Atmospheric Polluti	on			
Sulphur Dioxide (SO ₂)	9.4	80	µg/m³	(\$ 5(82 (Fart 2): 7(30)	
Nitrogen Dioxide (NO ₂)	28.4	80	μg/m ³	IS 5/87 (Part 6): 7006	
Particulate Matter (size les than 10 µm) or PM10	s 293	100	µg/m³		
Particulate Matter (size les than 2.5µm) or PMz.s	145	60	µg/m³	CPCB Guideline, Volume I.DE/C	7012-13. Page No.55.7013
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Matheda of Air Sempling and J 411 Page no. 403 1988	Inelysis (AWMA), 3rd Ed. Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EFA/625/R-85/DG a Compo	noum Method (0-3) 6-32
Carbon Monoxide (CO)	1.50	4	mg/m³		The same of the sa
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	CPCR Sadelines. Valume 1.56.	/2007-13. Page No.35-7013
Benzene (CaHa)	1.42	5	μg/m³	15 5/82 (Pwrt II) 2008	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS SIB2 (Furt IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R 95/DII a Congo	ndum Methad (0-315 32

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2-5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5535

Report No. AA/04/23/5535

Report Date

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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/553	6 Report No. AA/04/23/5536	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Shushan Road, Colaba, Mumbai - 400001, Maharashtra		4.0000000000000000000000000000000000000
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.5: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

	Meteorologica			tal Conditions		
Average Wind Velocity	Wind Direction	Relative Hum		Temperature	Duration of Surve	
16 km/h	North West	(Max./Min.): 50/38%		(Max./Min.): 37/28°C	24 h	
Parameter	Result	NAAQS# 2009	Unit	N	lethod	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	15 5/82 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	27.6	80	µд/т³	IS 5667 (Pwrt E): 2006		
Particulate Matter (size less than 10 µm) or PM10	324	100	μg/m²	IS 5162 (Part 73) 20116		
Particulate Matter (size less than 2.5µm) or PM2.s	116	60	µg/m³	CPCB Guideline. Valume 1.36/20	12-13 Page No.15-2313	
Ozone (Oz)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 40 Page no. 402 (568		
Lead (as Pb)	BLQ (LOQ:0.02)	ı	μg/m³	EPA/825/9-96/018 a Comprise	ium Method IQ-3.1 6 3.2	
Carbon Monoxide (CO)	1,31	4	mg/m³	CPCB Guidelines, Volume 11, 37/	7012-13, Fugu no.16, 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	ha/w _a	CPCB Gostelines, Valume 136/2	012-13. Page No 35: 2012	
Berizene (CaHa)	1.20	5	µg/m³	IS 5/87 (Port.11) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/87 (Part (2): 2/5/04	IS SIB7 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-95/040 a Compendo	um Methad IO-31 6:3 A	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E/5/E-35/OHI a Compend	um Method 10-31 6 3 7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5536

Report No. AA/04/23/5536

Report Date

21/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID - AA/04/23/553	7 Report No. AA/04/23/5537	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.3} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31,03,2023	Date - Completion of Analysis	20/04/2023

	Meteorological	Data / Env	ironmen	tal Conditions		
Average Wind Velocity	Wind Direction	Relative Humidity		Temperature (Max./Min.): 37/28°C	Duration of Surve	
16 km/h	North West	(Max./Min.): 5			The state of the s	
Parameter	Result	NAAQS# 2009	Unit		tethod	
Chemical Testing; Group	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	7.3	80	µg/m³	18 562 (Part 2): 2001		
Nitrogen Dioxide (NOs)	27.3	80	μg/m³	IS 562 (Part 6): 2006		
Particulate Matter (size les than 10 µm) or PM10	s 315	100	µg/m³	IS St82 (Part 23) 2005		
Particulate Matter (size les than 2.5µm) or PM2.5	s 131	60	µg/m*	CPCB Guideline: Volume I 35/2		
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (ARMA), 3nd Ed. Method 411 Page no. 433-558		
Lead (as Pb)	BLQ (LOQ:0.02)	1	hg/w ₃	EPA/625/H-96/000 is Compris		
Carbon Monoxide (CO)	1.68	4	mg/m ³			
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCE Guidelines, Yolume 1:367	2012-G. Page 4c 35-200	
Benzene (CsHs)	1.48	5	μg/m³	S 5(82 (Pert II) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³			
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/9-96/000 v Compen	dium Method ID-315 3.7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID : AA/04/23/5537

Report No. AA/04/23/5537

Report Date

21/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/553	8 Report No. AA/04/23/5538	Report Date	21/04/2023
Name and address of Castomer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM:u, Bap, Metals: 1 x 3 no. filter paper PM:s: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHa: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

Average Wind Velocity 16 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	P1004 P111	Temperature (Max./Min.): 37/28°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	,	Method
hemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	11.5	80	µg/m³	(\$ 5/82 (Pwrt 2): 200)	
Nitrogen Dioxide (NO2)	30.3	80	hā/wa	IS 5(92 (Part 5): 2006	
Particulate Matter (size les than 10 µm) or PM10	s 256	100	µg/m³	IS 5/82 (Part 23) 2006	
Particulate Matter (size les than 2.5µm) or PM2.s	s 119	50	rm/gu	GPCB Guideline, Valume L3E/2	
Ozone (Oa)	BLQ (LOQ:19.6)	180	hd/w _a	Matteds of Air Sampling and Analysis (AMMA), Sire Ed. Medio 411 Page no. 403 (SSB)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/H-96/00 a Compet	
Carbon Monoxide (CO)	1.41	4:	mg/m³		
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCR Sudelines, Volume 1367	7007-13 Page No.35-7013
Benzene (CeHe)	1.42	5:	µg/m³	(\$ 5/87 (Part II) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 5/82 (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/00 s Compe	edium Method III-3.16 3.7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average

B NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5538

Report No. AA/04/23/5538

Report Date

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Note: 1. The result listed refer only to the tested sample(s) and applicable parameter(s).

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4. There are no additions to, deviations or exclusions from the method.









AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/553	9 Report No. AA/04/23/5539	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Motals: 1 x 3 no. filter paper PM _{2.3} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 mi x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

Average Wind Velocity 16 km/h	Wind Direction North West			Temperature (Max./Min.): 37/28°C	Duration of Survey 24 h	
Parameter	Result	NAAQS# 2009	Unit		1ethod	
hemical Testing; Group:	Atmospheric Pollutio	on				
Sulphur Dioxide (SO ₂)	10.4	80	µg/m³	15 5/82 (Pwrt 7): 2901		
Nitrogen Dioxide (NO2)	30.6	80	µg/m³	(\$ 582 (Pwrt 5): 2006		
Particulate Matter (size les then 10 µm) or PM10	s 359	100	µg/m³	(S 5892 (Part 73) 2006		
Particulate Matter (size les than 2.5µm) or PM2.s	s 148	-60	µg/m³			
Ozone (O2)	BLQ (LOQ:19.6)	180	μg/m³	Methods of Air Sampling and Air 41(Page no. 403-1988	nelysis (AWWA), 3rd Ed., Method	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	5FA/625/R-95/0/0 is Epinper		
Carbon Monoxide (CO)	1.33	4	mg/m³	CPCB Suitefrees, Volume II, 37	/7012-13; Page no.15: 703	
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	DPCR Guidelines, Valume 1367	2012-13. Page No 35: 2013	
Benzene (C ₆ H ₆)	1.43	5	μg/m ³	(\$ 5/82 (Part II) : 2005		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/82 (Pert (2): 2004	IS SIB7 (Pert (2): 7004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/625/R-95/DD a Compendum Method ID-315-34	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EFA/675/R-95/0/0 a Compet	olium Method 10-2.1 B 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID: AA/04/23/5539

Report No. AA/04/23/5539

Report Date

21/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/554	0 Report No. AA/04/23/5540	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	13/04/2023to 14/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 6 no. charcoal tubes CO; 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

Average Wind Velocity 16 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	57 57 500	Temperature (Max./Min.): 37/28°C	Duration of Surve	
Parameter	Result	NAAQS# 2009	Unit Method			
hemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	6.3	80	μg/m³	S 5182 (Part 7): 2001		
Nitrogen Dioxide (NO2)	29.2	80	μg/m³	IS SIEZ (Fart E): 2006		
Particulate Matter (size les than 10 µm) or PMzo	s 339	100	µg/m³			
Particulate Matter (size les than 2.5µm) or PM2.s	is 128	60	µg/m³	DPCE Guideline: Volume 1.36/2	012-13, Page: No.15-2013	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AVMA), 3rd Ed. Metho 40 Page on, 423, 1388		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	TANKET OF THE PROPERTY OF THE	STREET, SALES CHIMOSALI	
Carbon Monoxide (CO)	1.06	4	mg/m	CPCB Gueteknes, Volume (1, 37	/2012-13: Fage no.16: 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	na/w ₃	7.000.000.000.000.000.000.00	2012-13. Page No. 35: 2013	
Benzene (C«H»)	8LQ (LOQ:1)	5	µg/m³			
Benzo (a) pyrene (BaP) Particulate Phase only	8LQ (LOQ:0.2)	17	ng/m³		(S.5892 (Part (2): 1904	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/625/R-36/30 is Companition Method ID-316-34	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	IPA/825/W-28/DID a Compe	ndum Method (0-318-32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID: AA/04/23/5540

Report No. AA/04/23/5540

Report Date

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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/554	 Report No. AA/04/23/5541 	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 5 no. plastic bottle each NH ₂ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHa 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 16 km/h	Wind Direction North West	Relative Humidity (Mex./Min.): 50/38%		Temperature (Max./Min.): 37/28°C	Duration of Survey 24 h	
Parameter	Result	NAAQ5# 2009			Method	
Chemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (50 ₂)	7.3	80	µg/m³	IS SIS2 (Fart 2): 2001		
Nitrogen Dioxide (NO ₂)	26.2	80	µg/m³	(\$ 5/82 (Part 5): 2006		
Particulate Matter (size les than 10 µm) or PM10	5 234	100	hā/w ₃	(S 582 (Part 73) 2006		
Particulate Matter (size les than 2.5µm) or PM2.5	is 147	60	µg/m³			
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AANA), 3nd Ed. Method 411 Page no. 403 (388)		
Lead (as Pb)	BLQ (LOQ:0.02)	1	h8/m3	THE STATE OF THE S	THE ACTIVITIES OF THE PERSON O	
Carbon Monoxide (CO)	1.66	4	mg/m³		Annual Control of the Park Street Control of the Co	
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines. Yalume (3R)	7002-13. Page No. 35-2003.	
Benzene (CeHe)	1.38	5	µg/m³	(S S82 (Part II) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	production and the	20-64-60-600-60	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/675/10-36/010 a Companium Method ID-3) 8-34	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/675/R-36/000 a Conge	niium Method (0-3) 5 37	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average TWA

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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Sample ID: AA/04/23/5541

Report No. AA/04/23/5541

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/554	2 Report No. AA/04/23/5542	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper. PM2.5: 1 x 1 no. filter paper. SO2, NO2: 30 ml x 6 no. plastic bottle each. NH3: 10 ml x 24 no. plastic bottle. Ozone: 10 ml x 1 no. plastic bottle. C6H6: 6 no. charcoal tubes. CO: 1 no. bladder.	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

4	Meteorologica	and the second second		The state of the s	Duration of Survey	
Average Wind Velocity 16 km/h	Wind Direction North West			Temperature (Max./Min.): 37/28°C	24 h	
Parameter	Result	NAAQS# 2009	Unit	1	Method	
hemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	IS SR2 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	29.5	80	µg/m³	15 5(82 (Pwrt 6): 2006		
Particulate Matter (size les than 10 µm) or PM10	s 251	100	µg/m³	IS 5092 (Part 23):20006		
Particulate Matter (size les than 2.5µm) or PM2.s	s 137	60	µg/m³	CPCB Guideline, Volume 136/2	512-13. Paga No.15-2013	
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Netteds of Air Sampling and A 41.Page no. 403:1988	nelysus (AWMA), 3rd Ed., Method	
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³	EPA/E25/R-95/00 a Compen	dum Herhad ID-31 5 3 2	
Carbon Monoxide (CO)	1.43	4	mg/m³	CPCB Guitelines, Telume II, 27	/3017-13. Pagy no.16, 2013	
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCR Guidelines, Volume 1.757	7117-13. Page No.35-2013	
Benzene (CoHo)	1,42	5	µg/m³	IS 5012 (Part 1) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	65 5462 (Part IZ): 2004		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/675/F-36/100 a Compan	The state of the s	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/675/R-36/000 a Conger	alum Martrud ID-31 & 3.7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5542

Report No. AA/04/23/5542

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/554	3 Report No. AA/04/23/5543	Report Date	21/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	13/04/2023tc 14/04/2023
Sample Quantity / Packing	PM:o, Bap, Metals: 1 x 3 no. filter paper PMz.si 1 x 1 no. filter paper SOz, NOzi 30 ml x 6 no. plastic bottle each NHs: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHe: 6 no. charcoal tubes CO: 1 no. bladder	Date - Receipt of Sample	15/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	20/04/2023

Meteorological Data / Environmental Conditions

	receordingical	Data / Liv		tai conditions	
Average Wind Velocity	Wind Direction	Relative Humidity (Max./Min.): 50/38%		Temperature	Duration of Survey
16 km/h	North West			(Max./Min.): 37/28°C	24 b
Parameter	Result	NAAQ5# 2009	Unit		Method
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (502)	11.5	80	µg/m³	15 5182 (Part 2): 2001	
Nitrogen Dioxide (NO ₂)	28.4	80	µg/m³	15 S182 (Part B): 2006	
Particulate Matter (size less than 10 µm) or PM±0	272	100	µg/m³	IS 5182 (Pert 73) 210B	
Particulate Matter (size less than 2.5µm) or PM2.s	126	60	µg/m³	DPD8 Soldsfine, Volume 1:36/2	302-13, Page No.15-2013
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and A 41 Page no. 401 (588	nelysis (ANMA), 3rd Ed. Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	174/875/H-36/GIE a Compan	dium Method III-31537
Carbon Monoxide (CO)	1.08	- 4	mg/m³	CPEB Suidifines, Volume © 37	/2002-03. Page no.16-2010
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Suidelines, Valume 1.3E/	2012-13. Paga No.35, 2013
Benzene (C ₄ H ₆)	BLQ (LOQ:1)	5	µg/m³	15 5/82 (Part II) - 7808	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/\$25/9-96/DID a Campon	dum Method ID 37 E 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/DIS a Compri	duri Method IO 37 E 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID: AA/04/23/5543

Report No. AA/04/23/5543

Report Date

21/04/2023





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AEC/F/REP/1-B Page 2 of 2





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NOISE LEVEL MEASUREMENT REPORT

	TOTOL PETER LIEUROUNCELLI			
Sample 1D: N/04/23/5553	Report No.: N/04/23/5553 Report Date 17/04/2023			
Name and Address of Customer	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushari Road, Colaba, Mumbal – 400 001	ted		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise	
Order Reference	As per PO No. PNP/March/YB/2022- 23/001 Dated 31.03.2023	Date-Monitoring	13/04/2023	

Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level d8 (A) Slow Response	Method	
an ann a garantan ann an an an an an	09:00	73.6	72.4		
A. Near Main Gate (PNP Port)	21:00	67.3	66.8		
	09:10	72.4	71.2		
B. Near Jetty No. 1 (PNP Port)	21:10	66.7	65.5		
	09:20	73.2	72.5		
C. Near Jetty No. 2 (PNP Port)	21:20	67.4	66.4		
D. Near Jetty No. 3 (PNP Port)	09:30	72.5	71.3		
	21:30	66.2	65.4		
SERVICES ON CASE OF MARKETINESS	09:40	73.7	72.5	CPCS Protects for Ambient lave	
E. Near Jetty No. 5 (PNP Port)	21:40	67.5	66.7	Nacie Machtering, July AEC/C/SSP/SSM/SSR his ra A Insue date (ILEA 2008)	
F. Near Weight Bridge (PNP Port)	09:50	73.3	72.7		
	21:50	67.4	66.2		
G. Near Custom Building (PNP	10:00	72.6	71.4		
Port)	22:00	66.7	65.5		
	10:10	73.4	72.2		
H. Near Lal Gate (PNP Port)	22:10	67.3	66.6		
I. Near DJL Main Gate (PNP	10:20	72.2	71.6		
Port)	22:20	66.4	65.2		
DIL Godown Back Side (PNP)	11:30	71.6	70.5		
Port)	23:30	65.3	64.4		
•		Limits			
As Per th	e Noise Pollu (R	tion (Regulation & Cor ules 3 (1) and 4(1))	ntrol) Rules, 2000)	
		Limits in dB (A) weighted scale			
Area Type	Da	y (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.		
				The state of the s	

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Note:

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/5670	Report No. AA/04/23/5670	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	17/04/2023to 18/04/2023
Sample Quantity / Facking	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 15 km/h	Wind Direction N-W			Temperature (Max./Min.): 34/26°C	Duration of Survey 24 h	
Parameter	Result	NAAQ5# 2009	Unit	1	Method	
Chemical Testing; Group:	: Atmospheric Polluti	on		41-11-12-12-12-12-12-12-12-12-12-12-12-12		
Sulphur Dioxide (SO ₂)	10.4	80	µg/m³	S SIE2 (Part 2): 2303		
Nitrogen Dioxide (NO2)	29.5	80	µg/m³	IS 5/82 (Part E) 2005		
Particulate Matter (size les than 10 µm) or PM:s	ss 230	100	hâ/wa	G 5/67 (Fart (3) 7008		
Particulate Matter (size les than 2.5µm) or PM2.5	is 137	50	µg/m³	STANDON STANDARD STANDARD	and an expensive	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	48 Page no. 403 (\$68	nelysis (AWMA), Sec Ed. Method	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³			
Carbon Monoxide (CO)	1.56	4	mg/m			
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³		70(2-13, Page Nr.35, 2013	
Benzene (CaHa)	1.28	5	hā/m3			
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)		ng/m³		EPA/625/R-95/80 a Composition Method ID-31-8-34	
Nickel (as NI)	BLQ (LOQ:3)	20	ng/m³	EPA/825/R-35/8/8 a Campe	noum Method ID-315 32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified # as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID : AA/04/23/5670

Report No. AA/04/23/5670

Report Date

25/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567:	Report No. AA/04/23/5671	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	17/04/2023tc 18/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2,5} :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorologica	I Data / Env	ironmen	tal Con	ditions		
Average Wind Velocity 15 km/h	Wind Direction N-W	Relative Humidity (Max./Min.): 48/36%		Temperature (Max./Min.): 34/26°C		Duration of Survey 24 h	
Parameter	Result	NAAQS# 2009	Unit		N	Method	
hemical Testing; Group:	Atmospheric Polluti	on					
Sulphur Dioxide (SO ₂)	9.4	80	µg/m³	13.56	E2 (Part 7): 2001		
Nitrogen Dioxide (NOz)	27.3	80	µg/m³		87 (Fart 5): 7006		
Particulate Matter (size les than 10 µm) or PM10	s 287	100	µg/m³		82 (Part 23) 2006		
Particulate Matter (size les than 2.5µm) or PM2.s	138	60	μg/m³	1	GPCB Guideline, Volume I 36/28/2 13, Fage No.15/29/3		
Ozone (Os)	BLQ (LOQ:19.6)	180	μg/m³	4II P	Methods of Air Sampling and Analysis (AWMA), 3rd Ed. Met 41. Page no. 403 (SBB		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³		EPA/E75/R-96/010 a Compension Method (0-31 & 3.2		
Carbon Monoxide (CO)	1.43	4	mg/m			/202-12 Page no.15: 2013	
Ammonia (NH»)	BLQ (LOQ:20)	400	µg/m³		DRCB Suidelines Tolume 36/207-13 Page No.35, 7013		
Benzene (CeHe)	1.55	5	µg/m ¹	18.5	18 5/82 (Part II) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m		15 5682 (Part (2): 2004		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m		EFA/EZS/R-96/06 a Composition Method III-33 B 3 4		
Nickel (as Ni)	BLQ (LOQ:3)	20.	ng/m	EPA	EPA/E2S/R-SS/0ID a Congunition Method ID-318.3.2		

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









Sample ID: AA/04/23/5671

Report No. AA/04/23/5671

Report Date

25/04/2023





Note

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4. There are no additions to, deviations or exclusions from the method.









AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	2 Report No. AA/04/23/5672	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	17/04/2023 to 18/04/2023
Sample Quantity / Packing	PM:0, Bap, Metals: 1 x 3 no. filter paper PM2.3:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHs: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorologica	Data / Env	ironmen	tal Conditions		
Average Wind Velocity	Wind Direction	Relative Humidity		Temperature	Duration of Survey 24 ft	
15 km/h	N-W	(Max./Min.): 4	Militaria	(Max./Min.): 34/26°C		
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Diexide (SO ₂)	11.5	80	µg/m³	S 5(82 (Fart 7): 200)		
Nitrogen Dioxide (NO2)	25.4	80	µg/m³	IS SIEZ (Fart E) 2006		
Particulate Matter (size les than 10 µm) or PM10	s 334	100	µg/m³	10000000000000000000000000000000000000		
Particulate Matter (size les than 2.5µm) or PMz.s	s 128	50	µg/m³	. In NOVOVERIONALISTS	valar irreditable	
Ozone (Oa)	BLQ (LOQ:19.6)	180	hB/w ₃	Methodo of Air Sampling and Analysis (AWMA), 3rd Ed. Math 46, Page no. 483-1988		
Lead (as Pb)	BLQ (LOQ:0.02)	1	ng/m3			
Carbon Monoxide (CO)	1.39	4	mg/m			
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³		7002-13. Page No. 35: 200	
Benzene (C ₆ H ₆)	1.21	5	µg/m³	IS S/82 (Fw+ ti) : 2008		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³			
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m²	EPA/825/R-95/DID a Compe	ndum Methad ID-31 8 3.7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









Sample ID: AA/04/23/5672

Report No. AA/04/23/5672

Report Date

25/04/2023

Ninad Soundanker Technical Manager (Chemical) Reviewed & Authorised by



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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/567	3 Report No. AA/04/23/5673	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	17/04/2023 to 18/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂₋₅ : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorological	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 15 km/h	Wind Direction N-W	Relative Humidity (Max./Min.): 48/36% (M NAAQS# Unit 2009		Temperature (Max./Min.): 34/26°C	Duration of Survey 24 h	
Parameter	Result			•	Method	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	7.3	80	µg/m³	IS 5(82 (Fart 2): 200)		
Nitrogen Dioxide (NO ₂)	28.1	80	µg/m³	IS 5807 (Part 6): 2006		
Particulate Matter (size les than 10 µm) or PM±0	is 321	100	µg/m³	G 5/87 (Fwn 73) 7006		
Particulate Matter (size les than 2.5µm) or PM2.s	is 145	60	µg/m³	CPCB Guideline, Valume 136/2	SAME SAME OF THE S	
Ozone (Oa)	BLQ (LOQ:19.6)	180	μg/m³	Methods of Air Sampling and Analysis: (ARMA), 3rd Ed. Mathos 411 Page no. 403 1558		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³			
Carbon Monoxide (CO)	1.73	4	mg/m³			
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	CPCB Godeliess. Volume 1357	2012-13. Paga Ne 35: 2013	
Benzene (CoHe)	1.59	5	µg/m³	18 S#2 (Part II) 208E		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	1400000,70000000000000000000000000000000	EPA/625/R-36/310 a Composition Method ID-316.34	
Nickel (as Ni)	BLQ (LOQ:3)	.20	ng/m³	EPA/E25/R-36/00 a Compe	ndum Method IB-318 22	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified * as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID: AA/04/23/5673

Report No. AA/04/23/5673

Report Date

25/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	4 Report No. AA/04/23/5674	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	17/04/2023tc 18/04/2023
Sample Quantity / Packing	PMin, Bap, Metals: 1 x 3 no. filter paper PMz.1:1 x 1 no. filter paper SOz, NOz: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

				tal Conditions	Duration of Co.	
Average Wind Velocity	Wind Direction N-W			Temperature (Max./Min.): 34/26°C	Duration of Surve	
15 km/h Parameter	Result	NAAQS#	Unit		Method	
Parameter	Result	2009	Offic		vection	
hemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	10.4	80	µg/m³	IS 5882 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	31.1	80	μg/m³	IS 582 (Part E): 2006		
Particulate Matter (size les than 10 µm) or PMso	s 261	100	µд/тэ	11001200339050001		
Particulate Matter (size les than 2.5µm) or PM2.5	s 127	60	μg/m³			
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and A 411 Page no. 413 (588)	nelysis (AWMA) 3rd Ed. Method	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³			
Carbon Monoxide (CO)	1.34	4	mg/m			
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	CPCE Guidelines, Valume 1362	200-13 Page No.35 203	
Benzene (C ₆ H ₆)	1.72	5	µg/m³	(8.5182 (Pwrt II) - 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		IS S18Z (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/E25/R-95/00 a Compondum Method 10-3.1 5 3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	(PA/E25/R-95/00 a Sumper	ndum Method: 10-31 5 3 2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified asi 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID : AA/04/23/5674

Report No. AA/04/23/5674

Report Date

25/04/2023

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End of Report

Note:

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	S Report No. AA/04/23/5675	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	17/04/2023 to 18/04/2023
Sample Quantity / Packing	PMIO, Bap, Metals: 1 x 3 no. filter paper PM2.2:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes C0: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

The second secon	Meteorologica			Temperature	Duration of Survey	
Average Wind Velocity	Wind Direction N-W			(Max./Min.): 34/26°C	24 h	
15 km/h	Result	NAAQS#	Unit	Annual State of the Control of the C	Method	
Parameter	Kesuit	2009	Oint		100101	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	12.5	80	µg/m ³	IS 5/82 (Part 2) 2001		
Nitrogen Dioxide (NO ₂)	29.5	80	HB/W ₃	(\$ 5/82 (Fact 5): 2006		
Particulate Matter (size les than 10 µm) or PM10	361	100	hā/w ₃	100000000000000000000000000000000000000		
Particulate Matter (size les than 2.5µm) or PMz,s	5 154	60	µg/m³	COMPARED DOMESTICATION		
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Est. Metho 411 Page no. 403 (588)		
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³			
Carbon Monoxide (CO)	1.40	4	mg/m ³			
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³		7017-13; Paga No 35; 2013	
Benzene (C«H»)	1.62	5	µg/m³	15 5/82 (Part II) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EPA/625/R-3B/GID a Companion Method ID-31 & 3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-38/010 a Comper	noum Method ID-3.1 8-3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Menoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









Sample ID : AA/04/23/5675

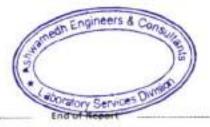
Report No. AA/04/23/5675

Report Date

25/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	6 Report No. AA/04/23/5676	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	17/04/2023 to 18/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorologica	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 15 km/h	Wind Direction N-W	Relative Humidity (Max./Min.): 48/36%		Temperature (Max./Min.): 34/26°C	Duration of Survey 24 h	
Parameter	Result	NAAQS# 2009	Unit	Method		
Chemical Testing; Group	: Atmospheric Pollution	оп				
Sulphur Dioxide (SO ₂)	9.4	80	µġ/m³	µg/m² (5.582 (Firt 2): 200)		
Nitrogen Dioxide (NO ₂)	30.6	80	μg/m ³	15 5/87 (Part E): 2006	15 5/82 (Part E): 2006	
Particulate Matter (size les than 10 µm) or PM10	ss 348	100	µg/m³	13 SetZ (Part 23) 2006	(1.502 /Part 23) 2006	
Particulate Matter (size les than 2.5µm) or PM2.4	ss 137	60	hā/m _a	(PCB Suideline, Volume 1.35/2	(PCB Suicefine, Volume 1.35/207-13 Page No.15.70/5	
Ozone (O3)	BLQ (LOQ:19.6)	180	µg/mª	Nerhodo of Air Sampling and A 41 Page no. 403:1588	Michaels of Air Sampling and Averyors (AWMA), Grettel, Michael 41 Page no. 403:1588	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³		EPA/E25/R-95/001 a Compandium Method (0-21 ft 3.2	
Carbon Monoxide (CO)	1.03	4	mg/m³	CPC8 Guidelines, Valuma II. 17	EPCB Guidelines, Valume II. 37/2012-13. Page no.1E, 20:3	
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidalmus, Valume (36/	EPCB Guidalinus, Valuma I 35/7017-19, Page No.35-2019	
Benzene (C ₆ H ₆)	BLQ (LOQ:1)	5	µg/m³	IS 5NIZ (Fart II) 2006	(6 5/82 (Fart II) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(S 5/82 (Part (2): 2004	V-10-10-10-10-10-10-10-10-10-10-10-10-10-	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	2000-000 H-0-2100-002	EPA/925/H-39/090 a Compinidum Method ID-316-34	
Nickel (as Ni) BLQ (LOQ:3)		20	ng/m³	EPA/625/R-96/0/0 a Compet	SPA/625/W-96/0/0 a Compandom Method ID-31-9-32	

8LQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

MAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Ashwamedh Engineers & Consultants Survey No. 102, Plot No.26, Wadala Pathardi Road, Indira Nagar, Nashik - 422009, Maharashtra, India (Near Guru Gobind Singh School, Near Pandav Nagari, Turn at Sai Mandir Chowk / Samrat Sweet Turning)

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Sample ID: AA/04/23/5676

Report No. AA/04/23/5676

Report Date

25/04/2023







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Ashwamedh Engineers & Consultants Survey No. 102, Plot No.26, Wadala Pathardi Road, Indira Nagar, Nashik - 422009, Maharashtra, India (Near Guru Gobind Singh School, Near Pandav Nagari, Turn at Sas Mandir Chowk / Samrat Sweet Turning) sales@ashwamedh.net +91-253-2392225

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	7 Report No. AA/04/23/5677	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lal Gate (PNP Port)	Date - Sampling	17/04/2023to 18/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.0:1 x 1 no. filter paper SO2, NO2: 30 mi x 6 no. plastic bottle each NH2: 10 mi x 24 no. plastic bottle Ozone: 10 mi x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PD No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

Average Wind Velocity	Wind Direction	Relative Hum		Temperature	Duration of Surve
15 km/h	N-W	(Max./Min.): 4	April 1997 Company	(Max./Min.): 34/26°C	24 h
Parameter	Result	NAAQ5# 2009	Unit	4	fethod
hemical Testing; Group:	Atmospheric pollution	on			
Sulphur Dioxide (SO ₂)	8.3	80	pg/m ³	15:582 (Part 2): 2001	
Nitragen Dioxide (NÖz)	29	50	µg/m³	15 5/87 (Part 6): 2006	
Particulate Matter (size les than 10 µm) or PM ₁₀	s 245	100	hā/m ₃	15 5/82 (Part 23),2006	
Particulate Matter (size les than 2.5µm) or PM2.5	s 153	60	hð/m ₃	SFCB Sucistine. Valuetre 1:35/21	0/2-13 Feye No.15/2013
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Air 4t Fage no. 403 1568	relysis (AWMA), Grottel, Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	IFA/175/R-95/DO a Compen	dicim Methad (G-1) 8 3 2
Carbon Monoxide (CO)	1.73	4	mg/m³	EPCB Guidelines, Valume II, 37.	7817-13. Fage no.16: 2013
Ammonia (NH3)	BLQ (LOQ:20)	400	µg/m³	CPC8 Suidelines, Valure 1.367	7017-13. Paga No. 35-7010
Benzene (C ₆ H ₆)	1.44	5	µg/m³	15 SN2 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS SHEZ (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	(PA/625/R-36/00 a Compan	dum Method ID-315-37

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









Ashwamedh Engineers & Consultants Survey No. 102, Plot No.26, Wadala Pathardi Road, Indira Nagar, Nashik - 422009, Maharashtra, India (Near Guru Gobind Singh School, Near Pandav Nagari, Turn at Sai Mandir Chowk / Samrat Sweet Turning) sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5677

Report No. AA/04/23/5677

Report Date

25/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	8 Report No. AA/04/23/5678	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	17/04/2023tc 18/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.5:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorological	Data / Env	ironmen	tal Conditions	
Average Wind Velocity				Temperature	Duration of Surve
15 km/h	N-W	(Max./Min.): 4	8/36%	(Max./Min.): 34/26°C	24 h
Parameter	Result	NAAQS# 2009	Unit		Method
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SQ ₂)	7.3	80	hā/w _a	IS 5/82 (Part 2): 2001	
Nitrogen Dioxide (NO2)	30.9	80	µg/m³	15 5/87 (Part 6): 2005	
Particulate Matter (size less than 10 µm) or PM18	262	100	µg/m³	IS 5/82 (Part 23) 2006	
Particulate Matter (size less than 2.5µm) or PM2.s	142	60	hā\ius	CPCB Suideline, Volume (36/	2012-13 Page No.15-2013
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methodo of Air Sampling and 41 Page no. 453 (588	Analysis (AMMA), 3rd Ed., Method
Lead (as Pb)	BLQ (LOQ:0.02)	-1	µg/m³	EPA/E25/R-96/018 a Comps	ndum Method (D-3.1 5-3.2
Carbon Monoxide (CO)	1.49	4	rng/m³	CPCB Suidelines, Valume II, II	7/202-3, Page no 6, 201
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Velumi I.36	/2012-13: Page Na 35: 2013
Benzerie (CoHo)	1.44	5	hð/m ₃	18 5/92 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nicket (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-9E/DID a Camps	ndum Method IO 31 F 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

MAAQ5 (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5678

Report No. AA/04/23/5678

Report Date

25/04/2023

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Note

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/567	9 Report No. AA/04/23/5679	Report Date	25/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	17/04/2023 to 18/04/202
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} :1 x I no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	19/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	24/04/2023

	Meteorological				
Average Wind Velocity	Wind Direction	Relative Hum	2006.500.00	Temperature (Max./Min.): 34/26°C	Duration of Surve
15 km/h	N-W	(Max./Min.): 4			
Parameter Result		NAAQS# 2009	Unit		lethod
hemical Testing; Group:	Atmospheric Pollutio	on			
Sulphur Dioxide (SO ₂)	9.4	80	μg/m ³	IS 5/87 (Fwn 2): 2001	
Nitrogen Dioxide (NO2)	30.3	80	µg/m³	IS SHR7 (Part II), 2006	
Particulate Matter (size les than 10 µm) or PM10	s 284	100	µg/m³	IS S62 (Feet 23) 2006	
Particulate Matter (size les than 2.5µm) or PMz.s	s 136	50	µg/m³	CPCB Guideline: Valume 136/2	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AMMA), 3nd Ed. Method 4tt Page no. 403-1988	
Lead (as Pb)	BLQ (LOQ:0.02)	10	µg/m³	EPA/E25/R 95/00 e Campon	
Carbon Monoxide (CO)	1.06	4	mg/m³	CPCH Guidelines, Valume II. 37	/2012-13, Page no.16, 2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCR Guidelines, Volume 1267	787-01. Page No. 35: 7013
Benzene (CaHa)	BLQ (LOQ:1)	5	hg/w ₃		
Benzo (a) pyrene (8aP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 S82 (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EFA/625/R-88/DID a Congen	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ^a	£PA/625/R-9E/00 a Compos	dium Method ID-316 32

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID: AA/04/23/5679

Report No. AA/04/23/5679

Report Date

25/04/2023





End of Report

Note:

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NOTSE LEVEL MEASUREMENT REPORT

TOTOL PLACE LIENDONELLI	mist tem out	
Report No. N/04/23/5680	Report Data 2	1/04/2023
PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushao Road, Colaba, Mumbai - 400 001	ted	
Laboratory	Sample Description Type	Ambient Noise
As per PO No. PNP/March/YB/2022- 23/001 Dated 31:03:2023	Dase-Mandoring	17/04/2023
	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushao Road, Colabe, Mumbai - 400 001 Laboratory As per PO No. PNP/March/YB/2022-	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400 001 Laboratory Sample Description /Type As per PO No. PNP/March/YB/2022-

Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method		
0 0000	09:00	72.6	71.7			
A. Near Main Gate (PNP Port)	21:00	66.3	65.2			
	09:10	73.4	72.4			
B. Near Jetty No. 1 (PNP Port)	21:10	67.6	66.5			
	09:20	73.3	72.2			
C. Near Jetty No. 2 (PNP Port)	21.20	67.4	66.3			
D. Near Jetty No. 3 (PNP Port)	09:30	71.7	70.6			
	21:30	65.5	64.4			
	09:40	73.5	72.4	CPCR Proposition Architect Law		
E. Near Jetty No. 5 (PNP Port)	21:40	67.6	65.3	Moss Montaring John Montaring John Montaring John AEC/C/SAP/SAM/758-38 Inn Inc. 4. Insue date DIG4-7018		
F. Near Weight Bridge (PNP	09:50	72.3	71.6			
Port)	21:50	66.2	65.4			
G. Near Custom Building (PNP	10:00	73.6	72.7			
Port)	22:00	67.3	55.4			
William College Annual Manager and College Col	10:10	71.4	70.5			
H. Near Lai Gate (PNP Port)	22:10	65.2	64.6			
I. Near DIL Main Gate (PNP	10:20	73.2	72.3			
Port)	22:20	67.4	66.3			
J. DIL Godown Back Side (PNP	11:30	71.5	70.2			
Port)	23:30	65.2	64.4			
1000		Limits				
As Per th		tion (Regulation & Co ules 3 (1) and 4(1))	ntrol) Rules, 2000)		
	Limits in dB (A) weighted scale					
Area Type	Da	y (6 a.m. to 10 p.m.)	Night	(10 p.m. to 6 a.m.)		

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Note:

Industrial

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/582	4 Report No. AA/04/23/5824	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	20/04/2023 to 21/04/202
Sample Quantity / Packing	PM _{3.0} , Bap, Metals: 1 x 3 np. filter paper PM _{2.5} :1 x 1 np. filter paper SO ₂ , NO ₂ : 30 ml x 6 np. plastic bottle each NH ₃ : 10 ml x 24 np. plastic bottle Ozone: 10 ml x 1 np. plastic bottle C ₆ H ₆ : 1 x 6 np. charcoal tubes CO: 1 x 1 np. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorologica		and the state of t	to be a second of the second o	Daniel Committee
Average Wind Velocity	Wind Direction	Relative Humidity (Max./Min.): 53/41%		Temperature	Duration of Survey
19 km/h	W-NW	and the second second second second second	and the second second	(Max./Min.): 35/27°C	
Parameter	Result	NAAQ5# 2009	Unit		Method
hemical Testing; Group	: Atmospheric Polluti	on			
Sulphur Dioxide (502)	9.4	80	hā/w _a	(\$.587 (Fwt.2): 7001	
Nitrogen Dioxide (NO ₂)	29.5	80	µg/m³	(\$ 587 (Part R) - 2006	
Particulate Matter (size les than 10 µm) or PM:0	is 248	100	µg/m³	(X 56/2 (Part 23) 2008	
Particulate Matter (size les than 2.5µm) or PM1.5	55 131	60	µg/m³	CPCH Goldeline, Volumy I 35/2	1018 = 8.00-Martin 100 100
Ozone (Oa)	BLQ (LDQ:19.6)	180	μg/m³	Methods of Air Sampling and A 41. Page no. 403, 1988	relyse (ARMA), 3rd Ed. Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³		
Carbon Monoxide (CO)	1.54	4	mg/m ³		
Ammonia (NH±)	BLQ (LOQ:20)	400	µg/m³	CPC8 Dudelines, Yolune (26)	7002-03. Page No. 35, 2003
Benzene (CaHa)	1.41	5	µg/m³	15/5/82 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	0.0000000000000000000000000000000000000	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-95/00 a Comper	stum Method 10-31 5 3 2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, I hour TWA in

case of Cerbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID: AA/04/23/5824

Report No. AA/04/23/5824

Report Date

28/04/2023

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End of Report

None

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AMBIENT AIR QUALITY MONITORING REPORT

Sample 1D : AA/04/23/582	5 Report No. AA/04/23/5825	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	20/04/2023 to 21/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 5 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes C0: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorological	Data / Env	ironmenta		
Average Wind Velocity 19 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 5	22-23-1	Temperature Max./Min.): 35/27°C	Duration of Surve 24 h
Parameter	Result	NAAQ5# 2009	Unit	N	fethod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₃)	8.3	80	µg/m³	(\$ 5/82 (Part 7): 2001	
Nitrogen Dioxide (NO2)	25.7	80	μg/m³	(\$ 5/87 (Part 6): 2006	
Particulate Matter (size les than 10 µm) or PM10	5 274	100	µg/m³	IS 5/82 (Part 13) 2008	
Particulate Matter (size les than 2.5µm) or PM2.5	5 124	60	μg/m³	SPSB Guideline, Valuarie 1,36/25	41(415-1225), 7(405)
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Mathodo of Air Sampling and An 40 Page no. 403-1568	ralysis (AVMA), Grottel, Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	(PA/E25/R-85/00 a Company	Sum Method (B-316-32
Carbon Monoxide (CO)	1,48	4	mg/m³	DPD8 Guidalines, Volume 1, 37	
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCS Guidelines, Velume 1267	2042-01, Page No 35: 2007
Benzene (C ₆ H ₆)	1.59	5	µg/m³	iS S/82 (First ID: 7006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/82 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	SPA/625/R-96/DD a Compen	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EFA/625/R-95/00 a Compen	dum Method ID-318-31

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5. Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID: AA/04/23/5825

Report No. AA/04/23/5825

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note

1. The result listed refer only to the tested sample(s) and applicable parameter(s).

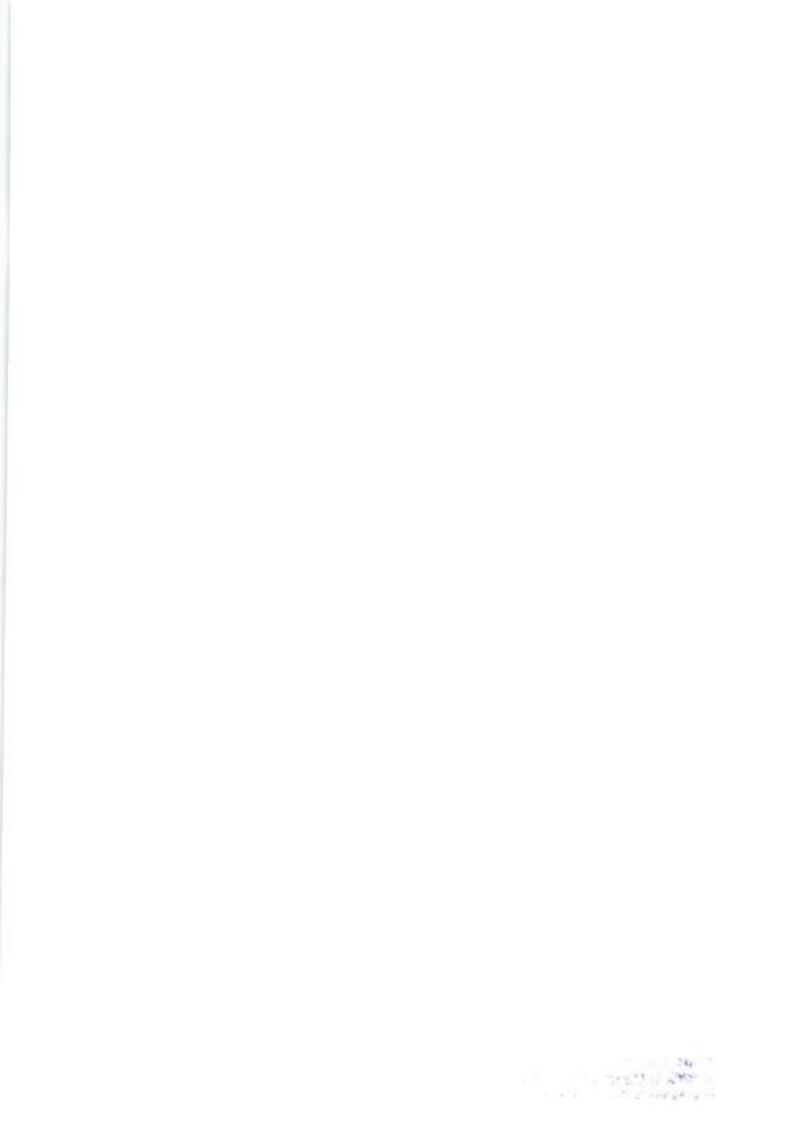
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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/582	 Report No. AA/04/23/5826 	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	20/04/2023ts 21/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorological	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 19 km/h	Wind Direction W-NW			- IN 아름아가게 하게 하게 하면 하면 하면 하면 하게 되었다. 그리고 있는 사람들이 되었다면 하는데 하는데 하는데 함께 보는데 보다 다른데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는		Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	,	Method	
hemical Testing; Group:	Atmospheric Pollution	on		National Control		
Sulphur Dioxide (SO ₂)	10.4	80	.µg/m³	IS 5182 (Part 2): 2001		
Nitrogen Dioxide (NO2)	29.8	80	µg/m³	IS 5187 (Flort II): 2006		
Particulate Matter (size les than 10 µm) or PM10	s 312	100	µg/m³	Annya Managara		
Particulate Matter (size les than 2.5µm) or PM2.s	s 138	60	µg/m³	. Proceedings of the Williams		
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/т ^а	Methods of Air Sampling and A 41 Page no. 403 1988	nelysis (AWMA), 3rd Ed., Method	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/9-96/00 a Compet	ubum Method (D-31 fi 3.)	
Carbon Monoxide (CO)	1.35	4	mg/m³			
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³		2012-3. Pega No. 35- 2011	
Benzene (CoHo)	1.37	5	µg/m³			
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		S 5882 (Fart IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EFA/E25/R-95/06 a Comprodum Method ID-3 (6-3-4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/000 a Conge	schum Method IB-316 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5826

Report No. AA/04/23/5826

Report Date-

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note

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- 4. There are no additions to, deviations or exclusions from the method.









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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/582	7 Report No. AA/04/23/5827	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	20/04/2023 to 21/04/202
Sample Quantity / Packing	PMio, Bap, Metals: 1 x 3 no. filter paper PMio: 1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NMa: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes C0: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03 2023	Date - Completion of Analysis	27/04/2023

Average Wind Velocity	Meteorological Wind Direction	Relative Hum	in the contract of the contract of	Temperature	Duration of Surve	
19 km/h	W-NW	(Max./Min.): 5	C00005000	(Max./Min.): 35/27°C	24 h	
Parameter	Result	It NAAQS# Unit		,	fethod	
hemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	12.5	80	µg/m³	IS 587 (Part 7): 2001		
Nitragen Dioxide (NO2)	30.3	80	±0/m³	18 582 (Part 5): 2006		
Particulate Matter (size les than 10 µm) or PMio	s 332	100	µg/m³	222222222		
Particulate Matter (size les than 2.5µm) or PM2.s	s 156	50	µg/m³	Testine Assistant Maria Co.		
Ozone (Oa)	BLQ (LOQ:19.6)	180	hð/m ₃	Methods of Air Sampling and Analysis (ANMA), Sni Est. Weth 411 Page no. 403: ISS8		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³			
Carbon Monoxide (CO)	1.78	4	mg/m ³			
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³		30/2-13. Page Na 3% 2013	
Benzene (CeHe)	1.75	5	µg/m³	18 5/82 (Part II) 2088		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/675/R-36/DIG a Compension Method IS-318-34		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-16/018 a Compet	EPA/825/R-36/318 is Compendium Method 18-31 8-32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5827

Report No. AA/04/23/5827

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/5820	8 Report No. AA/04/23/5828	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	20/04/2023 to 21/04/2023
Sample Quantity / Packing	PM:0, Bap, Metals: 1 x 3 no. filter paper PM:s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHs: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

Average Wind Velocity	Meteorologica Wind Direction	d Direction Relative Hum		Temperature	Duration of Survey	
19 km/h	W-NW	(Max./Min.): 5	3/41%	(Max./Min.): 35/27°C	24 h	
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group:	Atmospheric Polluti	оп				
Sulphur Dioxide (SO ₂)	11.5	80	µg/m³	I\$ 5(82 (Pert 2): 700)		
Nitrogen Dioxide (NÖ2)	30.6	80	µg/m³	15 SIB2 (Part E): 2006		
Particulate Matter (size les than 10 µm) or PM10	s 271	100	µg/m³			
Particulate Matter (size less than 2.5µm) or PM _{2.5}	s 135	60	µg/m³			
Ozone (O3)	BLQ (LOQ:19.6)	180	μg/m³	Methods of Air Sampling and Analysis (AWMA), Smittd., Metho 411, Page no. 403-1988		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³			
Carbon Monoxide (CO)	1.41	4	mg/m³		Light to the control of the control	
Ammonia (NHs)	BLQ (LOQ:20)	400	pg/m³	CPSE Euclidines, Volume 178	5/202-13: Page No.35; 2013	
Benzene (CoHo)	1.44	5	µg/m³	IS 5(87 (Part II) 7009		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³			
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		EFA/E25/R-96/DB a Compendium Method IS-318-34	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPIL/625/R-96/0/0 a Comp	endount Method (0-3) ft 3.7	

BLQ: Below Limit of Quantification, LDQ: Limit of Quantification

Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID: AA/04/23/5828

Report No. AA/04/23/5828

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note:

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/582	9 Report No. AA/04/23/5829	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	20/04/2023 to 21/04/202
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂₋₅ :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorological		attack in the second			
Average Wind Velocity	Wind Direction	Relative Humidity		Temperature	Duration of Survey	
19 km/h	W-NW	(Mex./Min.); 5	3/41%	(Max./Min.): 35/27°C	24 h	
Parameter	Result	NAAQ5# 2009	Unit		Method	
hemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (502)	9.4	80	ha/w _a	15 5/92 (Pert 21: 200)		
Nitrogen Dioxide (NOs)	31.4	80	µg/m³	IS S182 (Pwrs 9): 2086		
Particulate Matter (size les than 10 µm) or PM10	s 345	100	µg/m³	IS 597 (Part 70) 2006		
Particulate Matter (size les than 2.5µm) or PM2.s	s 142	60	µg/m³			
Ozone (Oz)	BLQ (LOQ:19.6)	180	μg/m³	Methodo of Air Sampling and A 41LPage no. 433 :1588	Halyas (AWMA), 3rd Ed., Mathad	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	350000000000000000000000000000000000000		
Carbon Monoxide (CO)	1.33	4	mg/m ³	CPCH Guidelines, Valorie 11, 37	7/2012-13. Page no.16: 2023	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	hg/m ₃	OPCB Guidelines. Volume 1:36:	/2012-01 Page No 35: 2003	
Benzene (CaHa)	1.41	5	µg/m³	IS 5/82 (Pwrt ID: 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	(\$ 582 (Fw+ (2): 2004	IS 562 (Fert IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	, In and the same and a same	EPA/625/R-36/30 a Compension Method ID-318 3 x	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-95/000 a Campa	ndum Method ID-358-32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5829

Report No. AA/04/23/5829

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/583	Report No. AA/04/23/5830	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Figor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	20/04/2023tc 21/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHe: 1 x 6 no. charcoal tubes CO; 1 x 1 no. pladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorological	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 19 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 5		Temperature (Max./Min.): 35/27°C	Duration of Survey 24 h	
Parameter	Result	NAAQ5# 2009	Unit		lethod	
hemical Testing; Group	Atmospheric Pollutio	on				
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	IS 5882 (Fwrt 2): 2001		
Nitrogen Dioxide (NO ₂)	27.3	80	μg/m ³	15 5/82 (First II) 2006		
Particulate Matter (size les than 10 µm) or PM10	5 338	100	µg/m³	IS SIB2 (Part 23):2006		
Particulate Matter (size less than 2.5µm) or PM2.4	s 146	60	µg/m³	DPD8 Suideline Yulume 36/2	DZ-13 Page No.15-20/3	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Tumpling and Analysis (AWMA), Sint Ed., Man 41 Page no. 463, 1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-36/DIE a Company	diem Method III-315-37	
Carbon Monoxide (CO)	1.08	4	mg/m ³	DPCB Buildelines, Volume 1, 37/	7092-01. Page 10:16-2903	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Syldelines, Volume 1367	2012-13. Page No.35-2013	
Benzene (C ₆ H ₆)	BLQ (LOQ:1)	5	µg/m³	15 5/82 (Part III : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		18.5(92 (Part 17): 70034	
Arsenic (as As)	BLQ (LOQ:0,3)	5	ng/m³	#4/125/9: 91/00 a Comprodum Method IO 31 5 3 A		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/8-96/00 a Campin	dum Nethad ID-31 E-3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

Ninad Soundankar

Technical Manager (Chemical)

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NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample 1D: AA/04/23/5830

Report No. AA/04/23/5830

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



End of Report

None

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/583	1 Report No. AA/04/23/5831	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lal Gate (PNP Port)	Date - Sampling	20/04/2023tc 21/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂₋₃ : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 19 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 5	0.07 (1.07%)	Temperature (Max./Min.): 35/27°C	Duration of Surve	
Parameter	Result	NAAQS# 2009	Unit	,	Method	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SOz)	7.3	80	µg/m³	IS SIBZ (First 2): 2001		
Nitrogen Dioxide (NO2)	29.5	80	µg/m³	IS SIBZ (Part 6): 2006		
Particulate Matter (size les than 10 µm) or PM:	s 259	100	µg/m³	IS 5882 (Part 23) 2806		
Particulate Matter (size les than 2.5µm) or PM2.s	5 162	60	HB/W ₃	DPDB Guideline, Valume 1:36/2	01 43 Page No.IS-2013	
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed. Metho 411 Page no. 483-1988		
Lead (as Pb)	BLQ (LOQ:0.02)		µg/m³	EPA/E25/R-9E/DIII a Compon	dum Nethad ID-31 6-32	
Carbon Monoxide (CO)	1.64	4	mg/m³	DPCB Godelines, Volume 11, 37	7317-13. Page no 16: 202	
Ammonia (NH»)	BLQ (LOQ:20)	400	µg/m³	DPCB Guidelines, Valume I 367	2012-13. Page No.35: 2012	
Benzene (C ₄ H ₄)	1.50	5	µg/m³	ES 5002 (Part 1) - 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)		ng/m³	IS 5167 (Part 12): 2004	IS 5462 (Part IQ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/E25/R-95/Diff a Compendorn Method (G-3) 5:3 4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m²	EPA/EZS/R-9E/DIC a Campen	dium Method (Q-3) 6 3 2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

s NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID : AA/04/23/5831

Report No. AA/04/23/5831

Report Date

28/04/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/583	2 Report No. AA/04/23/5832	Report Date	28/04/2023
Name and address of Costomer	PNP Maritime Services Private Limited 2nd Floor, Lansdewne House, Mahakavi Bhushen Road, Colaba, Mumbai - 400001, Maharashtra		71
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	20/04/2023 to 21/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂₋₃₋₁ 1 x 1 no. filter paper SO ₂ , NO ₂ ; 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO ₁ 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorologica	Data / Env	ironmen	tal Conditions	
Average Wind Velocity 19 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 5		Temperature (Max./Min.): 35/27°C	Duration of Surve
Parameter	Result	NAAQS# 2009	Unit		Method
hemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	6.3	80	µg/m³	IS 5/82 (Part 2) 2000	
Nitrogen Dioxide (NO2)	26.5	80	µg/m³	15 5/82 (Part 6) 2005	
Particulate Matter (size less than 10 µm) or PM10	274	100	µg/m³	18 5/81 (Part 23) 2006	
Particulate Matter (size less than 2.5µm) or PM3.s	131	60	µg/m³	CHCB Guideline, Volume (36/	700-13 Page No.15-2003
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Zampling and 41 Page no. 403 1988	Analysis (AMNA), 3rd Ed., Method.
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/8-35/010 a Compr	ndum Method IU-31 9 3.7
Carbon Monoxide (CO)	1.51	4	mg/m³	CPCB Guidelines, Volume 1, 3	7/20/2-13. Paga no.16: 20/3
Ammonia (NH ₂)	BLQ (LOQ:20)	400	μg/m³	CFC8 Guidelines, Volume 1:38	/700-43 Page No 35-7013
Benzene (CoHo)	1.65	5	μg/m³	IS 5/82 (Part II) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/82 (Part 12): 7004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/N-96/010 a Compa	ndum Methat ID-31 8:3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5832

Report No. AA/04/23/5832

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note

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AEC/F/REP/1-B Page 2 of 2





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/583	3 Report No. AA/04/23/5833	Report Date	28/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	20/04/2023 to 21/04/2023
Sample Quantity / Facking	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	22/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	22/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	27/04/2023

	Meteorologica	I Data / Env	ironment	al Conditions	
Average Wind Velocity 19 km/h	Wind Direction W-NW	Relative Hum (Max./Min.): 5		Temperature (Max./Min.): 35/27°C	Duration of Survey 24 h
Parameter	Result	NAAQ5# 2009	Unit		fethod
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Dioxide (SO ₂)	10.4	80	µg/m³	15 5182 (Part 2): 2001	
Nitrogen Dioxide (NO ₂)	31.4	80	µg/m³	IS 5182 (Part St 2008	
Particulate Matter (size les than 10 µm) or PM10	5 294	100	µg/m³	IS 5182 (Fart 23) 2006	
Particulate Matter (size les than 2.5µm) or PMz.s	s 149	60	µg/m³	CPCB Guidvitre, Volume I 38/20	17-13 Page No.15.7312
Ozone (O2)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Metho 41 Page no. 403 (598)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³	(PA/E25/R-96/000 a Compress	Sum Method III-31 5 3 2
Carbon Monoxide (CD)	1.09	4	mg/m³	CPCB Goldelines, Volume 1, 37/	7012-13. Page no. 6: 2013
Ammonia (NH _A)	BLQ (LOQ:20)	400	µg/m³	CPCB Buildelines. Volume 1.39/3	102-12 Paja Nr. 35-2013
Benzene (C ₄ H ₆)	BLQ (LOQ:1)	5	µg/m³	15 5/82 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 582 (Part 12) 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	-6	ng/m³	EPA/E25/R-95/IRD a Compete	Sum Method III-31534
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/080 a Campano	54m Method III-31 5 3 2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5833

Report No. AA/04/23/5833

Report Date

28/04/2023

Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by





Note:

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sales@ashwamedh.net +91-253-2392225

NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/04/23/5839	Report No.: N/04/23/5839 Report Date 28/04/2		
Name and Address of Customer	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400 001	ted	2
Monitoring Dote By	Laboratory Sample Description /Type Ambie		
Order Reference	As per PO No. PNP/March/YB/2022- 23/001 Dated 31.03.2023	Date-Monitoring	20/04/2023

Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method	
New Main Cote (DUD Doct)	09:00	71.6	70.3		
A. Near Main Gate (PNP Port)	21:00	65.3	54.5		
D. Nove Settle No. 1 (08/0 Posts)	09:10	72.7	71.5		
B. Near Jetty No. 1 (PNP Port)	21:10	66.5	55.4		
C No. 2 The No. 2 (DND Door)	09:20	73.3	72.7		
C. Near Jetty No. 2 (PNP Port)	21:20	67.7	56.2		
D. Near Jetty No. 3 (PNP Port)	09:30	73.8	72.4		
	21:30	67.3	66.5		
	09:40	73.4	72.2	CPOB Protocul for Ambient Le Noise Monitoring, July AFE/ID/SAP/SAM/SSE 35, Insu- es: 4, Insue data DISA 235	
E. Near Jetty No. 5 (PNP Port)	21:40	67.7	66.6		
F. Near Weight Bridge (PNP	09:50	72.5	71.3		
Port)	21:50	66.4	65.2		
G. Near Custom Building (PNP	10:00	73.2	72.6		
Port)	22:00	67.5	66.3		
	10:10	72.6	71.3		
H. Near Lai Gate (PNP Port)	22:10	66.4	65.2		
I. Near DIL Main Gate (PNP	10:20	72.2	71.4		
Port)	22:20	66.4	65.3		
J. DIL Godown Back Side (PNP	11:30	71.2	70.5		
Port)	23:30	65.5	64.3		
		Limits	f.A.		
As Per th		tion (Regulation & Con ules 3 (1) and 4(1))	trol) Rules, 2000		
**************************************	•) weighted scale		
Area Type	Day (6 a.m. to 10 p.m.) Night (10 p.m. to				

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Note:

Industrial

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4. There are no additions to, deviation or exclusions from the method.



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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/595	1 Report No. AA/04/23/5951	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	24/04/2023 to 25/04/202
Sample Quantity / Packing	PM:n, Bap, Metals: 1 x 3 no. filter paper PM2.3:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHa: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

Average Wind Velocity 12 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	100000000000000000000000000000000000000	Temperature (Max./Min.): 34/25°C	Duration of Surve
Parameter	Result	NAAQ5# 2009	Unit	A STATE OF THE PARTY OF THE PAR	Method
Chemical Testing; Group:	Atmospheric Pollutio	on			
Sulphur Dioxide (SO ₂)	10.4	80	μg/m³	(\$ 5/82 (Part 7): 2001	
Nitrogen Dioxide (NO2)	30.6	80	£т/рц	IS 5982 (Part S): 2106	
Particulate Matter (size les than 10 µm) or PM to	s 237	100	μg/m³	IS 5182 (Pwrt 22) 2898	
Particulate Matter (size les than 2.5µm) or PM2.s	s 139	60	μg/m³	SPSE Guideline, Volume 1.36/2	012-10. Page No.15.2013
Ozone (O2)	BLQ (LOQ:19.6)	180	μg/m³	Methods of Air Sampling and A 40 Fage no. 403 1988	telysis (AWMA) Grd Ed. Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	SPA/625/R 95/DB a Compos	dum Methad III-31837
Carbon Monoxide (CO)	1.58	4	.mg/m³	CPCB Guidelines, Yolune II, 37	/2042-13. Pirge na / fi. 2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Volume 1.367	2012-13. Page No 35, 2003
Benzene (CaHa)	1.35	5	µg/m®	IS 5182 (Fort II) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	IPA/875/R-35/00 a Compet	dum Method IB-316-32

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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sales@ashwamedh.net +91-253-2392225

Sample ID: AA/04/23/5951

Report No. AA/04/23/5951

Report Date

03/05/2023

Ninad Soundankar Technical Manager (Chemical) Réviewed & Authorised by





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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/595	2 Report No. AA/04/23/5952	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mehakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	24/04/2023to 25/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2,5} :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

	Meteorologica	Data / Env	ironmen	tal Conditions	
Average Wind Velocity 12 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5		Temperature (Max./Min.): 34/25°C	Duration of Surve
Parameter	Result	NAAQS# 2009	Unit		lethod
Chemical Testing; Group:	Atmospheric Pollution	on		-11	
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	IS SIB2 (First 2): 2001	
Nitrogen Dioxide (NO2)	27.9	80	ид/тэ	US 5/82 (Pwrt S): 2006	
Particulate Matter (size less than 10 µm) or PMss	5 280	100	µg/mª	IS 5182 (Part 22) 2106	
Particulate Matter (size less than 2.5µm) or PM _{2.5}	5 132	60	µg/m³	DPCB Soulehne: Volume 36/21	02-12, Page No.15-2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Air 48 Prige no. 403 (988	relysis (AWMA), 3rd Ed. Method
Lead (as Pb)	BLQ (LOQ:0.02)	3.	µg/m³	694/625/9-96/DG a Corpora	fum Methad IG-31 6 3 2
Carbon Monoxide (CO)	1.56	-4	mg/m³	CPCB Suidelines, Volume / L 37/	20/2-13. Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Values (36/)	790-0. Page No 35-200
Benzene (CaHa)	1.48	5	µg/m³	35 5/82 (Part II) 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	18 5/82 (Part 17): 7004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-95/000 a Campera	fam Methat (0-3) 832

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5952

Report No. AA/04/23/5952

Report Date

03/05/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/5953	Report No. AA/04/23/5953	Report Date	03/05/2023
Name and address of Castomer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	24/04/2023to 25/04/2023
Sample Quantity / Packing	PMio, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NHa: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHa: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Dute - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

Meteorological Data / Environmental Conditions

	Meteorological	Data / Env	ironmen	tal Conditions	
Average Wind Velocity	Wind Direction	Relative Hum	20000	Temperature	Duration of Surve
12 km/h	North West	(Max./Min.): 5	8/46%	(Max./Min.): 34/25°C	24 h
Parameter	Result	NAAQ5# 2009	Unit	,	dethod
Chemical Testing; Group:	Atmospheric Pollutio	on			
Sulphur Dioxide (SO ₂)	11.5	80	µg/m³	15-3002 (Part 2): 7001	
Nitrogen Dioxide (NO ₂)	30.9	80	µg/m³	1\$ 5182 (Part fi): 2006	
Particulate Matter (size les than 10 µm) or PM10	s 324	100	µg/m³	IS SIR2 (Part 23)-2006	
Particulate Matter (size less than 2.5µm) or PM2.5	129	60	µg/m³	DPDB Guideline, Yolume 1,2672	02-13 Page No 15-20/3
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Air 41 Page no. 403 (588	relysis (ANNA), 3rd Ed., Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/525/R-96/UIII a Compan	dium Method III-X1 ii 3.2
Carbon Monoxide (CO)	1.38	4	mg/m³	DPC8 Suidelines, Volume 11, 37	7012-03, Page se:16, 2013
Ammonia (NH2)	BLQ (LOQ:20)	400	µд/т³	CPCB Suicidines, Volume 1,367	2012-13. Page No.35: 2013
Benzene (C+H+)	1.31	5	µg/m ³	15:5182 (Part 10::2306	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 5HI2 (Part 12): 23U4	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m*	EPA/625/R-36/G/B a Compan	dum Method ID-31 8 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/018 a Compre	dium Method ID-3.1 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5953

Report No. AA/04/23/5953

Report Date

03/05/2023

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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/595	4 Report No. AA/04/23/5954	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	24/04/2023to 25/04/202
Sample Quantity / Packing	PM _{2.5} , Bap, Metals: 1 × 3 no. filter paper PM _{2.5} : 1 × 1 no. filter paper SO ₂ , NO ₂ : 30 mi × 6 no. plastic bottle each NH ₃ : 10 ml × 24 no. plastic bottle Ozone: 10 ml × 1 no. plastic bottle CoH ₆ : 1 × 6 no. charcoal tubes CO: 1 × 1 no. bladder	Dute - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Dute - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 12 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	The state of the s	Temperature (Max./Min.): 34/25°C	Duration of Surve 24 h	
Parameter	Result	NAAQS# Uni			Method	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SO ₂)	9.4	80	µg/m³	IS 5/82 (Part 2): 2001		
Nitrogen Dioxide (NDz)	28.7	80	μg/m³	IS 582 (Fart 1): 2005		
Particulate Matter (size les than 10 µm) or PM10	341	100	µg/m³	IS SIR2 (Part 72) 2006		
Particulate Matter (size less than 2.5µm) or PM2.5	146	60	µg/m³	CPCB Guideline, Volume I 36/3	202 (3. Page No.15 2013)	
Ozone (Ox)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sempling and Analysis (AWMA) 3ird Ed. Method 411 Page no. 403-1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/R-95/DID a Comper	ndom Methad ID-315-37	
Carbon Monoxide (CO)	1.71	4	mg/m³	CPCB Guidelines, Values II, 37	7/2012-13: Finge no.1E-2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Velume (36)	/2012-13, Page No.35-2013	
Benzene (CsHs)	1.58	5	μg/m³	IS SIEZ (Fart II) 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS \$462 (Part I2): 2004	IS 5182 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	199/525/R-95/00 s Composition Pethod ID-315-3.4		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/010 a Compa	edium Meshad ID-316-32	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.









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Sample ID : AA/04/23/5954

Report No. AA/04/23/5954

Report Date

03/05/2023







Note:

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3. In case sampling is not done by laboratory, the results apply to the sample as received.

4. There are no additions to, deviations or exclusions from the method.











AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/595	5 Report No. AA/04/23/5955	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	24/04/2023 to 25/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM ₂ , si 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 mi x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsH ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

Matagraphical Data / Environmental Conditions

	Meteorologica				1 6 V C
Average Wind Velocity 12 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	6001760	Temperature (Max./Min.): 34/25°C	Duration of Surve
Parameter	Result	NAAQS# 2009	Unit		Method
Chemical Testing; Group:	Atmospheric Pollution	on			
Sulphur Diaxide (SO ₂)	7.3	80	µg/m³	IS 5182 (Part 2): 2001	
Nitrogen Dioxide (NO2)	29.2	80	µg/m³	IS 5007 (Part 6): 2006	
Particulate Matter (size les than 10 µm) or PMse	5 263	100	µg/m³	IS S692 (Part 73) 2008	
Particulate Matter (size les than 2,5µm) or PMz.s	5 138	60	hā/w ₃	CPCB Guideline, Volume (36/)	7317-10. Page No 15:2013
Ozone (Oz)	BLQ (LOQ:19.6)	180	µg/m³	Methoda of Air Sampling and A 41. Page no. 403-1588	kralysis (AWMA), Smithel, Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	\$PA/\$75/R-95/DID a Compri	ndum Method ID 3.1 5 3.7
Carbon Monoxide (CO)	1.44	4	mg/m³	CPCB Guidelines, Volume III, 27	7/2012-13. Faguro./E-2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPCH Guidelmes. Valume (35)	7017-0. Page No 35-700
Benzene (CeHe)	1.62	5	µg/m³	IS 5182 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	ng/m ^a 5 582 (Fert 12): 2004	
Arsenic (as As) BLQ (LOQ:0.3		6	ng/m³	BPA/E25/R-98/DIE a Compe	ndum Mediad III-3153.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-95/018 a Somper	ndum Method III-316 3.7

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5955

Report No. AA/04/23/5955

Report Date

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End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/595	6 Report No. AA/04/23/5956	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	24/04/2023 to 25/04/2023
Sample Quantity / Packing	PM:0, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NHs: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

Meteorological Data / Environmental Conditions

Average Wind Velocity 12 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5	1536155 Thomas	Temperature (Max./Min.): 34/25°C	Duration of Surve	
Parameter	Result	NAAQS# 2009			Method	
Chemical Testing; Group:	Atmospheric Pollutio	on				
Sulphur Dioxide (SO ₂)	12.5	80	µg/m³	(\$ 5182 (Fart 2): 2001		
Nitrogen Dioxide (NO ₂)	30.3	80	µg/m³	IS 5/87 (Part 6): 7036		
Particulate Matter (size less than 10 µm) or PM10	337	100	μg/m³	85 5487 (Part 23) 2006		
Particulate Matter (size less than 2.5µm) or PM2.5	131	60	µg/m³	CPCB Guideline; Valums 136/2	90-G. Page No. 5.203	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 48 Pége no. 403-1968		
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³	EFA/625/R-96/010 a Compendium Method (0-3) 6:3.2		
Carbon Monoxide (CO)	1.41	34	mg/m³	CPCB Guidelines, Volume II, 37	/2012-13. Prige no.16, 2013	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelinen. Volume (:36/	2017-43. Page No.35, 2018	
Benzene (CsHs)	1.35	5	µg/m³	18 9/82 (Part II): 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5/87 (Part 17): 2024	IS 5/82 (Part 12): 2024	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/EZ5/R-95/OHD is Compen	EPA/625/E-95/000 a Compendum Method ID-31 B 3.4:	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/EZ5/R-95/OHI a Compen	dum Method III-31 & 3.7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5956

Report No. AA/04/23/5956

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/595	 Report No. AA/04/23/5957 	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mehakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	24/04/2023 to 25/04/202
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.s:1 x 1 no. filter paper SO2, NO2: 30 ml x 5 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C6H6: 1 x 6 no. charcoal tubes C0: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

	Meteorologica				unio microscopico	
Average Wind Velocity	Wind Direction	Relative Humidity		Temperature	Duration of Survey	
12 km/h	North West	(Max./Min.): 5	8/46%	(Max./Min.): 34/25°C	24 h	
Parameter	Result	NAAQS# 2009	Unit		Method	
hemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	9.4	80	μg/m ³	IS 5(82 (Part 3): 2001		
Nitrogen Dioxide (NOx)	28.4	80	µд/т3	IS 5182 (Part E): 2006		
Particulate Matter (size les than 10 µm) or PM10	5 348	100	µg/m³	IS 5IR2 (Part 33) 2006		
Particulate Matter (size les than 2.5µm) or PM2.5	s 139	60	µg/m³	DPDE Suiceline, Volume I 36/2	13.7 12. Page No.15.2013	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3nd Ed., Metho 411 Page no. 453 (1988)		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/675/H-96/010 a Conyan	ndum Method III-319 32	
Carbon Monoxide (CO)	1.05	4	mg/m³	CPCB Guidelines, Volume 11, 37	/7012-03 Page no. 6E 2003	
Ammonia (NH±)	BLQ (LOQ:20)	400	μg/m ³	CPCE Suidelines, Volume 1767	700-13. Page No 35-203	
Benzene (C ₆ H ₈)	BLQ (LOQ:1)	5	µg/m³	(\$ 5(82 (Pert.II) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³		IS 987 (Pw+1/2): 2004	
Arsenic (as As)	8LQ (LOQ:0.3)	6	ng/m³	EPA/625/R-36/3/0 a Compan	EP92/525/#-96/300 a Compandum Method IO-33 5-3 4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/525/R-96/010 a Conym	ndum Method IO 31 5 3 2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







03/05/2023

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Report No. AA/04/23/5957

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Sample 1D : AA/04/23/5957





Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/595	8 Report No. AA/04/23/5958	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	24/04/2023 to 25/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2,3} :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 mi x 6 no. plastic bottle each NH ₃ : 10 mi x 24 no. plastic bottle Ozone: 10 mi x 1 no. plastic bottle CaHa: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

	Meteorological	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 12 km/h	Wind Direction North West	Relative Humidity (Max./Min.): 58/46% NAAQS# Unit 2009*		Temperature (Max./Min.): 34/25°C	Duration of Survey 24 h	
Parameter	Result				fethod	
hemical Testing; Group	Atmospheric Pollution					
Sulphur Dioxide (SO ₂)	6.3	80	µg/m³	IS 5/87 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	26.8	80	µg/m³	IS 5012 (Part 8): 2008		
Particulate Matter (size les then 10 µm) or PM10	s 250	100	µg/m³	IS 5982 (Part 23) 2008		
Particulate Matter (size les than 2.5µm) or PM2.s	s 154	60	µg/m³	CPCB Guideline, Volume (28/202-(3-Page No.)5/2013		
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), Smittill, Methods, Page no. 403-1988		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EFA/825/9-85/3/0 a Compendium Method 40-21-5-3.2		
Carbon Monoxide (CO)	1.59	4	mg/m³	CPCB Guntelma, Valuese II, 37/	2012-13. Page no./E. 2013	
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	DPCB Guidelines, Valume 1,36/2017-G. Page No. 35, 2013		
Benzene (CoHo)	1.51	5	µg/m³	IS 5182 (Part 1) 2008		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 58E2 (Part 17): 2004	IS 5182 (Part IZ): 2004	
Arsenic (as As)	(LOQ:0.3)	- 6	ng/m³	IPA/675/R-95/00 a Composition Westool ID 319-34		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	IPA/675/R-SS/010 a Congele	rium Method ID-215 2.7	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID : AA/04/23/5958

Report No. AA/04/23/5958

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/595	Report No. AA/04/23/5959	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	24/04/2023 to 25/04/2023
Sample Quantity / Packing	PM ₁₀ , Bop, Metals: 1 x 3 no. filter paper PM ₂₋₃ :1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

	Meteorologica	Data / Env	ironmen	tal Conditions		
Average Wind Velocity 12 km/h	Wind Direction North West	Relative Humidity (Max./Min.): 58/46%		337 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group:	Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	5.2	80	µg/m³	IS 5/87 (Part 7) 2001		
Nitrogen Dioxide (NO ₂)	25.7	80	µg/m³	IS 5/82 (Part S): 2005		
Particulate Matter (size les than 10 µm) or PMss	s 263	100	µg/m³	IS 5/82 (Part 27) 7006		
Particulate Matter (size les than 2.5µm) or PM2.5	s 146	60	µg/m³	CPC8 Guideline, Valume (267	2012 13 Finge No.15 2013	
Ozane (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA). Snt Ed. M 41.Page no. 403-1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EFA/625/K-95/30 a Compendum Method (0-3) 5-3-2		
Carbon Monoxide (CO)	1.63	4	mg/m³	CPCB Gudelines, Volume II: 3	7/2017-3. Page nu.lif. 293	
Ammonia (NHa)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines: Volume 136	/2017-13. Page No 25: 7010	
Benzene (CsHe)	1.77	5	µg/m³	IS 51807 (Part III : 2006)		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	\$ 5(62 (Part C): 200A	IS 5/82 (Part IC): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	δ	ng/m³	EPA/E25/R-96/018 a Composition Nethal ID-3.1 6-3 A		
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/EZS/R-SE/BIE a Compo	ndum Nethod ID 31832	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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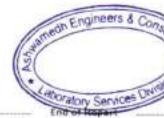
Sample ID: AA/04/23/5959

Report No. AA/04/23/5959

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/596	0 Report No. AA/04/23/5960	Report Date	03/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	24/04/2023 to 25/04/2023
Sample Quantity / Packing	PM:o, Bap, Metals: 1 x 3 no. filter paper PM: v:1 x 1 no. filter paper SO:, NO:: 30 ml x 6 no. plastic bottle each NH:: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CoHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	26/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	02/05/2023

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Average Wind Velocity 12 km/h	Wind Direction North West	Relative Hum (Max./Min.): 5		Temperature (Max./Min.): 34/25°C	Duration of Surve 24 h	
Parameter	Result	NAAQ5# 2009	Unit		Method	
Chemical Testing; Group:	Atmospheric Pollution	on				
Sulphur Dioxide (SD ₂)	10.4	80	μg/m³	IS St82 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	30.6	80	µg/m³	IS:3(82 (Part 6): 7506		
Particulate Matter (size less than 10 µm) or PM ₁₀	288	100	µg/m³	15 5/82 (Pwrt 23) 2006		
Particulate Matter (size less than 2.5µm) or PM _{2.9}	141	-60	µg/m³	DPCB Buildeline. Volume 1:36/2	02-13 Page No 15-7013	
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWNA), 3nd Ed. Method 4II Page no. 403 (388)		
Lead (as Pb)	BLQ (LOQ:0.02)	1.	μg/m³	EFA/EZ5/R-96/III9 a Enrepen	dum Method ID-31 8-3-2	
Carbon Monoxide (CO)	1.03	4	mg/m ³	CPCB Succiones, Volume II. 37	/2012-13, Page no.16, 2013	
Ammonia (NH ₂)	BLQ (LOQ:20)	400	μg/m³	CPCB Burdelines, Volume / 367	2012-13. Page No.35: 2013	
Benzene (C ₆ H ₆)	BLQ (LOQ:1)	5	µg/m³	IS 5/82 (Part II) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	(S 5992 (Part ID): 7004		
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EP4/E25/R 3E/DE a Cangen	EPA/E25/R 98/000 a Congendum Method ID 31.5 3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/825/R-36/Q18 a Compres	clairi Method ID-3.1 8-3.2	

BLQ: Below Limit of Quantification, LQQ: Limit of Quantification

TWA Time Weighted Average

F NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/5960

Report No. AA/04/23/5960

Report Date

03/05/2023

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AEC/F/REP/1-B Page 2 of 2





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NOISE LEVEL MEASUREMENT REPORT

	TOTAL PER PIEMSONEM	LINI KEPOKI			
Sample ID: N/04/23/5990	Report No. N/04/23/5990 Report Date 29/04/2023				
Name and Address of Customer	PNP Maritime Services Private Limi 2nd Floor, Länsdowne House, Mahakavi Bhushan Road, Colaba, Mumbai – 400 001	ted			
Monitoring Done By	Laboratory	Sample Description (Type	Ambient Noise		
Order Reference	As per PO No. PNP/March/YB/2022- 23/001 Dated 31.03.2023				

Location	Fast Response		Results Noise Level dB (A) Slow Response	Method		
A. Near Main Gate (PNP Port)	09:00	73.7	72.5			
AL MEDI FIZZII GAZE (FIAF FOIT)	21:00	67.3	66.3	1		
B. Near Jetty No. 1 (PNP Port)	09:10	71,4	70.3	1		
	21:10	65.7	64.2			
C. Near Jetty No. 2 (PNP Port)	09:20	73.6	72.9			
C. Hear Jerry No. 2 (PRP PORT)	21:20	67.4	66.3			
D. Near Jetty No. 3 (PNP Port)	09:30	73.2	72.4			
	21:30	67.5	66.3			
E. Near Jetty No. 5 (PNP Port)	09:40	72.5	71.6			
E. Near Jetty No. 5 (PNP Port)	21:40	66.4	65.2	CPSB Protocol for Ambient Less Noise Mantpring July		
F. Near Weight Bridge (PNP Port)	09:50	73.8	72.3	AEC/C/SAF/SSE/SSE SE teau no. 4 teaue date 20 DA/2010		
	21.50	67.5	66.7			
S. Near Custom Building (PNP	10:00	73.7	72.2			
Port)	22:00	67.4	66.3			
f. Near Lai Gate (PNP Port)	10:10	72.5	71.4			
1. Wear Lai Gate (PNP Port)	22:10	66:2	65.4			
. Near DIL Main Gate (PNP	10:20	72.2	71.3			
Yort)	22:20	66.5	65.4			
DIL Godown Back Side (PNP	11:30	72.4	71.6			
Port)	23:30	66.2	65.4			
		Limits				
As Per the	Noise Polluti (Ru	on (Regulation & Cont les 3 (1) and 4(1))	rol) Rules, 2000			
rea Type		Limits in dB (A)	weighted scale			
200,000	Day	(6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)		
ndustrial		75		70		

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4. There are no additions to, deviation or exclusions from the method.









AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/606	6 Report No. AA/04/23/6066	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	27/04/2023tc 28/04/2023
Sample Quantity / Pucking	PM16, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHa: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	Data / Env	rironmen	tal Conditions	
Average Wind Velocity	Wind Direction	1101011,14-11011111111111111111111111111		Temperature	Duration of Survey
4 km/h	North North East			(Max./Min.): 33/26°C	24 h
Parameter	Result	NAAQS# 2009	Unit	N	lethod
Chemical Testing; Group	: Atmospheric Polluti	on			
Sulphur Dioxide (SO ₂)	10.4	80	µд/тэ	S 582 (Fart 2): 2001	
Nitrogen Dioxide (NO ₂)	29.5	80	µg/m³	S 5(82 (Part 8) 2006	
Particulate Matter (size le than 10 µm) or PM:s	55 225	100	µg/m³	IS 5/82 (Pert 23) 2006	
Particulate Matter (size le- than 2.5µm) or PMz.s	145	60	ha/w ₃	GPCE Guideline, Valumin I.36/2012-IG. Peige No.15-2013	
Ozone (Os)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3nd Ed. Method 411 Page no. 403 (SEB)	
Lead (as Pb)	BLQ (LOQ:0.02)	(3)	µg/m³	EFA/625/R-35/110 a Lampené	um Renhad (0-3.1 5 3.2
Carbon Monoxide (CO)	1.63	4	mg/m³	EPCB Guidelines, Valume (L. 177)	2012-13. Page no.15-2013
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Valueto 136/2	912-13. Paga No. 35- 2013
Benzene (C ₆ H ₆)	1.42	5	µg/m™	15 5/82 (Part II) : 2306	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	.15 5/62 (Part 12): 2004.	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/EZS/R-9E/300 a Composition Method (0.3) 6:34	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EP4/E25/R 96/00 a Campand	um Method (D:31 5:32

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/6066

Report No. AA/04/23/6066

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/606	7 Report No. AA/04/23/6067	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbal - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	27/04/2023 to 28/04/2023
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.1} :1 x 1 no. filter paper 50 ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHs: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions	
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Hum (Max./Min.): 6	0.00000000	Temperature (Max./Min.): 33/26°C	Duration of Surve
Parameter	Result	NAAQS# 2009	Unit	•	Method
Chemical Testing; Group	: Atmospheric Polluti	on			
Sulphur Dioxide (SO ₂)	8.3	80	μg/m³	IS 5827 (Part 2): 2001	
Nitrogen Dioxide (NO ₂)	25.7	80	µа/т³	IS 5(82 (Part II) 2006	
Particulate Matter (size let than 10 µm) or PM10	55 271	100	μg/m [®]	IS 5482 (Part 23) 2006	
Particulate Matter (size les than 2.5µm) or PM2.s	130	60	µg/m³	CPCB Suideline. Volume I.36/20	02-11 Faye No.15-2013
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Nethedo of Air Sampling and Analysis (ARMA), 3rd Ed., Rethed 41 Page no. 403 (588)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/625/R-96/DIS a Comprise	Num Method ID-318-3-2
Carbon Monoxide (CO)	1.53	4	mg/m³	CPDB Gadelines, Velame II, 37/	2017-13. Page nat/6-7013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	EPEB Guidelines, Veturo 1:36/7	N12-11 Page No 35-2013
Benzene (C ₆ H ₆)	1.51	-5	µg/m³	IS 5182 (Part III : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	I	ng/m³	IS SIRZ (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	rig/m³	EPA/625/R-96/BIE a Company	ium Method i B 318 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/R-35/DIS a Compani	Sum Method ID-31832

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Mondxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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Sample ID: AA/04/23/6067

Report No. AA/04/23/6067

Report Date

05/05/2023

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AMBIENT AIR QUALITY MONITORING REPORT

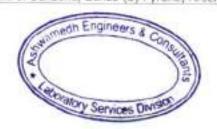
Sample 1D: AA/04/23/606	8 Report No. AA/04/23/6068	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	27/04/2023to 28/04/2023
Sample Quantity / Packing	PMio, Bap, Metals: 1 x 3 no. filter paper PMa.r:1 x 1 no. filter paper SOz, NOz: 30 ml x 6 no. plastic bottle each NHa: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHs: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	I Data / Env	rironmen	tal Conditions		
Average Wind Velocity	Wind Direction	Relative Humidity		Temperature	Duration of Survey	
4 km/h	North North East	(Max./Min.): 6	2/50%	(Max./Min.): 33/26°C	24 h	
Parameter	Result	NAAQ5# 2009	Unit	,	fethod	
Chemical Testing; Group	: Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	9.4	80	µg/m³	IS 5182 (Part 2): 2001		
Nitrogen Dioxide (NO2)	28.4	80	μg/m ³	IS 5182 (Part 5): 7E05		
Particulate Matter (size let than 10 µm) or PM ₁₀	317	100	µg/m³	IS Si82 (Part 23) 2006		
Particulate Matter (size le- than 2.5µm) or PM2.s	120	60	µg/m³	DPCB Suideline, Valurre 1.36/20	02-13 Page No.15-20/2	
Ozone (O ₂)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3nd Ed., Method 4ft Page no. 403:1968		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/E25/R-9E/D0 a Compress	um Nethat (0:3) § 3.2	
Carbon Monoxide (CO)	1.31	4	mg/m³	CPCB Guidelines, Volume 11, 377	20/2-13. Pager etc.16, 2013	
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µд/т³	CPCB Suidelines, Volume 136/2	DI2-13, Page No 35: 2013	
Benzene (C+H+)	1.28	5	jug/m³	15 5/82 (Part tt) : 2006		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 5182 (Part 12): 20104	15 S182 (Part 12): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/E25/R-95/IDIQ is Compand	xm Methat (0-3) 5-3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/E25/9-B6/0/0 a Compand	um Method (0:3) 532	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







Sample ID: AA/04/23/6068

Report No. AA/04/23/6068

Report Date

05/05/2023

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AEC/F/REP/1-B Page 2 of 2

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/04/23/606	9 Report No. AA/04/23/6069	Report Date	05/05/2022
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	expect trate	05/05/2023
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	27/04/2023to 28/04/202
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.3:1 x 1 no. filter paper SOz, NOz: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHe: 1 x 6 no. charcoal tubes: CO: 1 x 1 no. bladder	Date - Recript of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	Data / Env	ironmen	tal Conditions	
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Hum (Max./Min.): 6		Temperature (Max./Min.): 33/26°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	1	fethod
Chemical Testing; Group	: Atmospheric Polluti	on			
Sulphur Dioxide (SO ₂)	7.3	80	µg/m³	IS 5/82 (Fert 2): 2001	
Nitrogen Dioxide (NO2)	29.2	80	µд/т³	IS 5/87 (Fart 5) 2006	
Particulate Matter (size let than 10 µm) or PM10	349	100	µg/m³	IS 5/92 (Fart 33):2006	
Particulate Matter (size les than 2.5µm) or PMa.s	140	60	µg/m³	SPCB Guideline, Volume 1.36/20	312-0, Page No.G-2013
Ozone (Ox)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AVMA), 3nd Ed. Method 41 Page no. 403: ISB8	
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m ³	EPA/675/R-96/0/0 a Compris	Sum Wethod ID-21 S 3.2
Carbon Monoxide (CO)	1.78	4	mg/m3	CPCE Suidelines, Valume II, 37/	7012-13. Fogs no.16: 2013
Ammonia (NHs)	BLQ (LOQ:20)	400	µg/m³	CPES Sudalnes, Valume 1.35/2	Th 2-13. Page No. 25. 2013
Benzene (C ₆ H ₆)	1.67	5	µg/m³	IS SHEZ (Part II) 2886	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS 5162 (Part IZ); 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/E25/W-9E/DIB a Compand	ium Method IO-31 5-3 4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/9-96/010 a Compand	ium Method (0-31 §-32

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in

case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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Sample 1D : AA/04/23/6069

Report No. AA/04/23/6069

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/6070 Report No. AA/04/23/6070		Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	27/04/2023 to 28/04/2023
Sample Quantity / Packing	PM:n, Bap, Metals: 1 x 3 no. filter paper PM:::1 x 1 no. filter paper SO:: NO:: 30 ml x 6 no. plastic bottle each NH:: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeH6: 1 x 6 no. charcoal tubes CO:: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Humidity		Temperature (Max./Min.): 33/26°C	Duration of Surve	
Parameter	Result	NAAQS# 2009	Unit		fethod	
Chemical Testing; Group	: Atmospheric Polluti	on				
Sulphur Diaxide (SO ₂)	6.3	80	µg/m³	(5 5/82 (Part 2): 2001	IS 5/82 (Part 2): 2001	
Nitrogen Dioxide (NO2)	28.1	80	µg/m3	65 5/82 (Part E) 2006		
Particulate Matter (size le than 10 µm) or PM xx	ss 254	100	µg/m³	15 5482 (Pert 23) 2006.	65 5/82 (Pert 23) 2006	
Particulate Matter (size le than 2.5µm) or PM2.s	55 148	60	μg/m³	CPD8 Guideline, Volume I 36/2	CPD8 Guideline, Volume I 36/20/2-12. Page %:15:20/3	
Ozune (Oa)	BLQ (LOQ:19.6)	180	μg/m³	Matteds of Air Sampling and Analysis (AWMA), 3nd Ed. Matted 41 Fage no. 403-1588		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	69A/E25/W-95/DtO a Compens	594/E25/W-96/Di0 a Compendium Method (D-1) 1-3-2	
Carbon Monoxide (CO)	1.33	4	mg/m³	CPCB Guidelines, Volume 10 37/	DPC8 Guidelines, Volume II, 37/20/2-13, Fage 40/6-20/3	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	OPCB Soldelines, Volume 1.36/2	OPC8 Guidelines, Volume I.38/202-12, Page No.15 2001	
Benzene (C ₆ H ₆)	1.81	5	µg/m³	15 SH2 (Part 1) : 2006	15 SH2 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	. 1	ng/m³	15-5/82 (Part (2): 2004	15 5862 (Part 12): 2804	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/625/R-96/00 a Compose	EPA/625/R-96/00 a Composition Nethod IO 31 8 3.4	
Nickel (as Ni) BLQ 20 ng (LOQ:3)		ng/m³	EP4/E25/R-9E/00 a Compandium Methial IO-3.1 E-3.2			

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/6070

Report No. AA/04/23/6070

Report Date

05/05/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/607	 Report No. AA/04/23/6071 	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	27/04/2023 to 28/04/2023
Sample Quantity / Packing	PM1e, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NHa: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsHs: 1 x 6 no. charcoel tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	I Data / Env	rironmen	tal Conditions		
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Hurr (Max./Min.): 6	772278	Temperature (Max./Min.): 33/26°C	Duration of Survey	
Parameter	Result	NAAQS# 2009	Unit		Method	
Chemical Testing; Group	: Atmospheric Polluti					
Sulphur Dioxide (SO ₂)	11.5	80	µg/m³ (5.582 (Part 2): 200)			
Nitrogen Dioxide (NO ₂)	31.4	80	µg/m³	IS 5982 (Part 5): 2006		
Particulate Matter (size les than 10 µm) or PM10	329	100	µg/m³	IS 582 (Part 23) 2008		
Particulate Matter (size les than 2.5µm) or PM2.5	is 140	60	µg/m³	CPCB Suideline Valume 138/2	92-13 Page No.15-7013	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Wethods of Air Sampling and Al 40 Page no. 403 (598	Nettrods of Air Sampling and Analysis (AWMA), 3nd Ed., Method 40 Page nz. 403 (1988)	
Lead (as Pb)	BLQ (LOQ:0.02)	1	μg/m³	EPA/625/R-96/018 a Compos	EPA/625/R-96/018 a Composition Method ID 318 3.2	
Carbon Monoxide (CO)	1.45	4	mg/m³	CPC8 Guidelines, Yeluma II. 27	/2012-13, Page on 16: 203	
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCH Guidelines. Volume LOE/	CPCH Guidelinus: Veluma I.36/2017-13. Paga No.35: 2013	
Benzene (CoHo)	1.36	5	μg/m³	(\$ 5/82 (Part II) - 7005		
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m²	IS 5182 (Part IZ): 2004	IS 5182 (Part IZ): 2004	
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m³	EPA/625/R-96/016 is Company	EPA/E25/R-36/IDE a Compandium Method ID-31 5-3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/DIB a Competi	dium Method IB-31 5 3.2	

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

P NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/6071

Report No. AA/04/23/6071

Report Date

05/05/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/6072 Report No. AA/04/23/6072		Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	27/04/2023 to 28/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.1:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CeHe: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions		
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Hum (Max./Mm.); 6	33313753	Temperature (Max./Min.): 33/26°C	Duration of Survey 24 h Method	
Parameter	Result	NAAQS# 2009	Unit			
hemical Testing; Group	: Atmospheric Polluti	on				
Sulphur Dioxide (SO ₂)	12.5	80	µg/m³	15:5/82 (Part 2): 2001		
Nitrogen Dioxide (NO ₂)	27.6	80	µg/m³	15 5/82 (Part 6): 2006		
Particulate Matter (size let than 10 µm) or PM11	339	100	µg/m³	rm 3 15 5/92 (Part 23),2006		
Particulate Matter (size let than 2.5µm) or PM2.s	142	60	µg/m³	DPDS Suideline, Volume I.36/25	DPD8 Guideline, Volume I 36/2D2 13 Page No.15.2013	
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AMMA), 3rd Ed., Method 48 Page no. 403-1988		
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	SFA/E75/R-9E/100 a Compendum Nethod ID-3.1 E-3.2		
Carbon Monoxide (CO)	1.08	4	mg/m³	CPCB Guidelines, Volume II, 27/2012-13, Page no.15, 2012		
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPCB Guidelines, Volume (1867)	CPCB Guidelines, Volume I 36/2012-43, Page No. 35-2013	
Benzene (C ₆ H ₆)	BLQ (LOQ:1)	5	hd/w ₃	15 5/82 (Part II) : 2006	15 5/82 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 SH2 (Part 12): 2504	12 5/82 (Part 12): 2504	
Arsenic (as As)	BLQ (LQQ:0.3)	6	ng/m³	EPA/EZS/R-36/DIE a Compens	IPA/E2S/R-36/UIE a Compensium Method ID-318 3.4	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	LPA/625/R-96/DIL a Comprodum Method ID-318-32		

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.







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Sample ID: AA/04/23/6072

Report No. AA/04/23/6072

Report Date

05/05/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample 1D: AA/04/23/607	 Report No. AA/04/23/6073 	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	27/04/2023 to 28/04/2023
Sample Quantity / Packing	PM±0, Bap, Metals: 1 x 3 no. filter paper PM±4:1 x 1 no. filter paper SO₂, NO₂: 30 ml x 6 no. plastic bottle each NH₃: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C»H₅: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	I Data / Env	ironmen	tal Conditions	
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Hurr (Mex./Min.): 6	-3000000	Temperature (Max./Min.): 33/26°C	Duration of Surve
Parameter	Result	NAAQ5# 2009	Unit	,	Method
Chemical Testing; Group	: Atmospheric Polluti	on			
Sulphur Dioxide (SO ₂)	13.6	80	µg/m³	IS 5(82 (Part 2): 200)	
Nitrogen Dioxide (NO≥)	27.3	80	µg/m³	65 5182 (Part E): 2006	
Particulate Matter (size le than 10 µm) or PM10	55 257	100	μg/m³	IS SH2 (Fart 23) 2006	
Particulate Matter (size le than 2.5µm) or PM _{2.5}	150	60	µg/m³	EPCB Guideline: Valume 1.36/2	02 (1 Page No.15-2013
Ozone (Oa)	BLQ (LOQ:19.6)	180	µg/m³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed. Metho 41 Page no. 403-1988	
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	1PA/525/R-95/Dit a Compen	Gum Method ID-31 9 3.2
Carbon Monoxide (CO)	1.51	4	mg/m³	CPCB Suidefines, Volume II, 37	707-10. Page std & 2013
Ammonia (NH ₂)	BLQ (LOQ:20)	400	µg/m³	DPDE Guidelines, Volume 1,3877	702 13. Page Nr. 35. 700
Benzene (C ₆ H ₆)	1.45	5	pg/m³	15.5(82 (Part II) : 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	15 3182 (Part 12): 2904	
Arsenic (as As) BLQ (LOQ:0.		6	ng/m³	EPA/E75/R-9E/IH9 a Composi	fern Method ID 318 34
Nickel (as NI)	BLQ (LOQ:3)	20	ng/m³	EPA/675/R-96/INI a Campera	fum Nethal IS-316-32

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as:

24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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Sample ID: AA/04/23/6073

Report No. AA/04/23/6073

Report Date

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/607	4 Report No. AA/04/23/6074	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	27/04/2023to 28/64/2023
Sample Quantity / Packing	PM16, Bap, Metals: 1 x 3 no. filter paper PM2.2:1 x 1 no. filter paper SO2, NO2: 30 ml x 6 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CaHe: 1 x 5 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	Data / Env	ironmen	tal Conditions	
Average Wind Velocity 4 km/h	Wind Direction North North East	Relative Hum [Max./Min.): 6	10000000	Temperature (Max./Min.): 33/26°C	Duration of Survey
Parameter	Result	NAAQ5# 2009	Unit	.1	Method
Chemical Testing; Group	: Atmospheric Polluti	on			
Sulphur Dioxide (SO ₂)	8.3	80	µg/m³	IS 5982 (Fart 2): 2001	
Nitrogen Dioxide (NO ₂)	26.2	80	µg/m³	S 592 (Fart D) 2006	
Particulate Matter (size les than 10 µm) or PMva	272	100	µg/m³	\$ 582 (Pert 22) 2006	
Particulate Matter (size les than 2.5µm) or PM2.5	is 143	60	µg/m³	GPCH Guideline, Valuete 1.36/2	1012 (CL Page No) G 2013
Ozone (Ox)	BLQ (LOQ:19.6)	180	µg/m³	Wetherin of Air Sampling and A 411 Page on, 423-1588	nalysis (AVMA), 3rd Ed. Method
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m³	EPA/675/R-96/000 a Compan	dum Method (D-3.19.3.)
Carbon Monoxide (CO)	1.70	4	mg/m³	CPCB Guidelines: Valume II: 37.	/7012-13. Page no 16: 2010
Ammonia (NHz)	BLQ (LOQ:20)	400	µg/m³	CPCB Spiritalmes, Valuma C367	2012-13. Page No 35-2013
Benzene (CoHo)	1.90	5	μg/m®	IS SI82 (Fart V) . 2808	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS SH2 (Part 0): 2004	
Arsenic (as As) BLQ (LOQ:0		- 6	ng/m³	ng/m² IP4/125/R-95/DD a Compendium Method ID-3	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EP4/825/9-96/0/0 a Compen	dum Method ID-3.1 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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Sample ID : AA/04/23/6074

Report No. AA/04/23/6074

Report Date

05/05/2023

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/04/23/607	5 Report No. AA/04/23/6075	Report Date	05/05/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	27/04/2023 to 28/04/2023
Sample Quantity / Packing	PM10, Bap, Metals: 1 x 3 no. filter paper PM2.3:1 x 1 no. filter paper SO2, NO2: 30 mi x 5 no. plastic bottle each NH3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle CsH6: 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	29/04/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	04/05/2023

	Meteorologica	Data / Env	ironment	al Conditions	
Average Wind Velocity 4 km/h	Wind Direction North North East			Temperature (Max./Min.): 33/26°C	Duration of Survey 24 h
Parameter			Unit		lethod
Chemical Testing; Group	Atmospheric Polluti	on			
Sulphur Dioxide (SOz)	10.4	80	μg/m³	15 5(82 (Part 2): 200)	
Nitrogen Dioxide (NO2)	29.8	80	ид/т³	13:5182 (Part II): 2006	
Particulate Matter (size lethan 10 µm) or PM11	55 282	100	µg/m³	13 5482 (Part 23) 2008	
Particulate Matter (size le than 2.5µm) or PM2.s	55 135	60	µg/m³	DPDB Gusteline: Yolune J.36/2017-G. Page No.5-2013	
Ozone (Oz)	BLQ (LOQ:19.6)	180	μg/m®	Methods of Air Tampling and An 40 Page no. 403 1988	siyas (AWMA), 3rd Ed., Method
Lead (as Pb) BLQ (LOQ:0.		1	μg/m³	EPA/EZS/R-9E/DIQ w Compose	ium Pethad ID-31 fi 3.2
Carbon Monoxide (CO)	1.06	4	mg/m ³	CPCB Guidelines, Volume II, 377	28(2-13. Paga na.) B. 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m³	CPDB Guidelines, Telume (28/2	2017-13, Paga No. 25: 2013
Benzene (CvHe)	BLQ (LOQ:1)	:5:	μg/m³	IS 5(82 (Part II) - 2006	
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m³	IS SIBZ (Part IZ): 7804	
Arsenic (as As) BLQ (LOQ:0.3)		6	ng/m³	EPA/625/R 9E/800 a Compens	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m³	EPA/625/R-96/010 a Compens	fism Method ID-3.1 § 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA Time Weighted Average

* NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM10, PM2.5, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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Sample ID : AA/04/23/6075

Report No. AA/04/23/6075

Report Date

05/05/2023

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NOISE LEVEL MEASUREMENT REPORT

	TOTOL PRIVER LIEUROBITETIE				
Sample ID: N/04/23/6119	Report No. N/04/23/6119 Report Date 02/05/2023				
Name and Address of Customet	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400 001	ted			
Munitering Done By	Laboratory	Sample Description /Type	Ambient Noise		
Order Reference	As per PO No. PNP/March/Y8/2023- 23/001 Dated 31.03.2023	Date-Monitoring	27/04/2023		

Chemical Testing; Group: Atm Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level d8 (A) Slow Response	Method
	09:00	72.4	71.5	
A. Near Main Gate (PNP Port)	21:00	66.3	65.4	
a and a second second	09:10	73.6	72.7	
B. Near Jetty No. 1 (PNP Port)	21:10	67:2	66.2	
- 1	09:20	72.3	71.2	
C. Near Jetty No. 2 (PNP Port)	21 20	66,4	65.6	
	09:30	73.2	72.3	SPSE Protocol for Architect Lev Notes Montacing, July AEC/C/SAP/SAM/358 SE Inc. es 4. Natur date 0:04/2018
D. Near Jetty No. 3 (PNP Port)	21:30	67,5	66.2	
	09:40	71.4	70.6	
E. Near Jetty No. 5 (PNP Port)	21:40	65.2	64.3	
F. Near Weight Bridge (PNP	09:50	73.5	72.2	
Port)	21:50	67.2	66.3	10 4 maps mile 010410111
G. Near Custom/ Building	10:00	73.4	72.4	
(PNP Port)	22:00	67.6	66.3	
	10:10	72.2	71.5	
H. Near Lai Gate (PNP Port)	22:10	66.4	65.2	
I. Near DIL Main Gate (PNP	10:20	73.6	72:3	
Port)	22:20	67.4	66,3	
J. DIL Godown Back Side (PNP	11:30	71.3	71.2	
Port)	23:30	65.6	64.5	

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Note:

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4. There are no additions to, deviation or exclusions from the method.







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TEST REPORT

Sample ID : AA/04/23/307:	Report No. AA/04/23/3071N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Main Gate (PNP Port)	Date - Sampling	03/04/2023 to04/04/202
Sample Quantity / Packing	-	Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorol	logical Da	ata / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	tion Relative Humidity		Temperature	Duration of Survey
- km/h		3	(Max./Min.): -%	(Max./Min.): -°C	24 h
Parameter		Result	Unit	Meth	od
Chemical Testing; Group:	Atmospheric	Pollution			
Particles ≥0.3µ		720355	Particle/m ³	By Perticle Counter	
Particles ≥0.5 µ		189234	Particle/m ¹	By Farticle Counter	
Particles ≥1.0µ		62483	Particle/m³	By Particle Counter.	
Particles ≥ 2.5p		48017	Particle/m ³	By Particle Counter	
Particles ≥5:0 μ		2624	Particle/m ³	3 By Particle Counter	
Particles ≥ 10µ		1866	Particle/m ³	By Perticle Counter	

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TEST REPORT

Sample ID : AA/04/23/307	2 Report No. AA/04/23/3072N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	d	11
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No. 1 (PNP Port)	Date - Sampling	03/04/2023 to04/04/202
Sample Quantity / Packing		Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

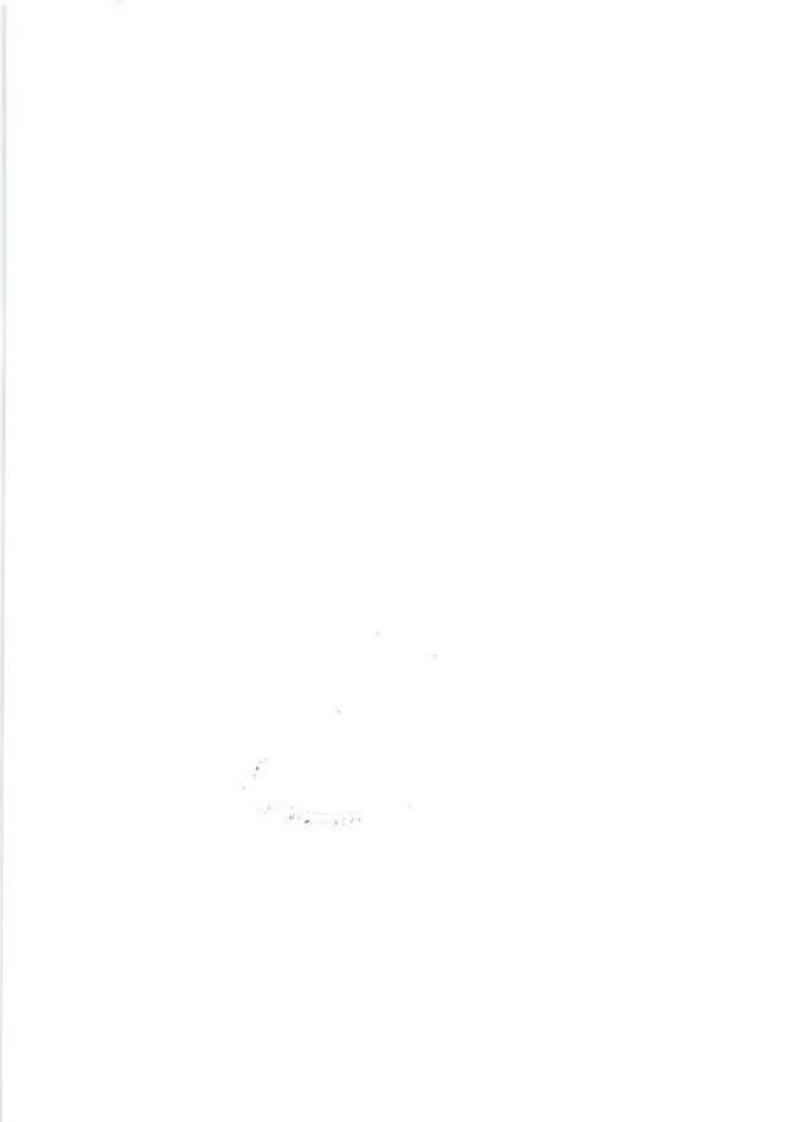
	Meteoro	logical D	ata / Environme	ental Conditions	
Average Wind Velocity	Wind Direct			Temperature	Duration of Survey
- km/h	1.5		(Max./Min.): -%	(Max./Min.); -°C	24 h
Parameter		Result	Unit	Meth	nod
Chemical Testing; Group	: Atmospheric	Pollution			
Particles ≥0.3µ		692325	Particle/m3	By Particle Counter	
Particles ≥0.5 μ		124636	Particle/m³	By Farticle Counter	
Particles ≥1.0µ		57062	Particle/m ³	n. ³ . By Particle Counter	
Particles ≥ 2.5µ		33576	Particle/m³	By Particle Counter	
Particles ≥5.0 μ		2604	Particle/m³	Hy Ferticle Courter	
Particles ≥ 10µ		1563	Particle/m ³	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/307	 Report No. AA/04/23/3073N 	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No. 2 (PNP Port)	Date - Sampling	03/04/2023 to04/04/2023
Sample Quantity / Packing	*	Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorologi	cal Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	ction Relative Hum		Temperature	Duration of Survey
- km/n		(14)	ax./Min.); -1/u	(Max./Min.): -°C	24 h
Parameter	Re	sult	Unit	Meth	od
Chemical Testing; Group:	Atmospheric Poll	ution		,	
Particles ≥0.3µ		7211	Particle/m ³	By Porticle Counter	
Particles ≥0.5 µ	160	789	Particle/m ³	3 By Particle Courter	
Particles ≥1.0µ	53	247	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	36	426	Particle/m ³	By Porticle Counter	
Particles ≥5.0 µ	25	85	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		703	Particle/m ³	By Particle Counter	

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TEST REPORT

		Larger (Contract III)	Address of the Control of the Contro
Sample ID : AA/04/23/307	Report No. AA/04/23/3074N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No. 3 (PNP Port)	Date - Sampling	03/04/2023 to04/04/202
Sample Quantity / Packing		Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorol	ogical Da	ta / Environme	ental Conditions	
Average Wind Velocity	Wind Directio	nn Re	lative Humidity	Temperature	Duration of Survey
- km/h	-	(1	dax./Min.): -%	(Max./Min.); -°C	24 h
Parameter		Result	Unit	Method	
Chemical Testing; Group:	Atmospheric I	Pollution		.,	
Particles ≥0.3µ		803624	Particle/m ³	By Ferticle Counter	
Particles ≥0.5 µ		152397	Particle/m ³	By Particle Counter	
Particles ≥1.θμ	icles ≥1.0µ 607		Particle/m ³	By Perticle Counter	
Particles ≥ 2.5µ		43367	Particle/m³	By Perticle Counter	
Particles ≥5.0 μ		3746	Particle/m ³	By Porticle Counter	
Particles ≥ 10µ		1577	Particle/m ³	By Porticle Counter	

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TEST REPORT

Sample ID : AA/04/23/307	5 Report No. AA/04/23/3075N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No.5 (PNP Port)	Date - Sampling	03/04/2023 to04/04/2023
Sample Quantity / Packing	_	Date - Receipt of Sample	05/04/2023
Sampling Procedure	Particle	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteoro	logical D	ata / Environme	ental Conditions	
Average Wind Velocity	Wind Direct	ion f	telative Humidity	Temperature	Duration of Survey
- km/h			(Max./Min.): -%	(Max./Min.): -°C	24 h
Parameter		Result	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric	Pollution			
Particles ≥0.3µ		830656	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ		145278	Particle/m³	s/mr3 By Particle Counter	
Particles ≥1.0µ		60393	Particle/m ^a	n.a. Hy Particle Country	
Particles ≥ 2.5µ		47627	Particle/m³	By Farticle Counter	
Particles ≥5.0 µ		2245	Particle/m³	By Farticle Counter	
Particles ≥ 10µ		1861	Particle/m³	By Farticle Counter	

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TEST REPORT

Sample 1D : AA/04/23/307	5 Report No. AA/04/23/3076N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	03/04/2023 to04/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorologi	cal Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction			Temperature	Duration of Survey
- km/h	9	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter		sult	Unit	Meti	nod
Chemical Testing; Group:	Atmospheric Poll	ution			
Particles ≥0,3µ		3132	Particle/m [®]	By Particle Counter	
Particles ≥0.5 µ	133	2647	Particle/m ³	e/m ³ By ³ article Counter	
Particles 21.0µ	60	824	Particle/m³	nn3 - By Perticle Courter	
Particles ≥ 2.5µ	42	267	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		032	Particle/m ³	By Forticle Counter	
Particles ≥ 10µ 197		974	Particle/m³	By Perticle Courter	

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TEST REPORT

Sample ID : AA/04/23/3077	Report No. AA/04/23/3077N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	03/04/2023 to04/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	- 2520	ative Humidity	Temperature	Duration of Survey
- km/h	*	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter		sult	Unit	Meth	od
Chemical Testing; Group:	Atmospheric Poll	ution		and the second second	
Particles ≥0.3µ		9243	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ	12	3548	Particle/m³	m ³ By Farticle Counter	
Particles ≥1.0µ	56	227	Particle/m³	13 Hy Ferticle Counter	
Particles ≥ 2.5µ	40	768	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		025	Particle/m³	By Ferticle Counter	
Particles ≥ 10µ		756	Particle/m ³	By Farticle Counter	

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TEST REPORT

Sample 1D : AA/04/23/307	8 Report No. AA/04/23/3078N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lal Gate (PNP Port)	Date - Sampling	03/04/2023 to04/04/202
Sample Quantity / Packing	<u>\$</u>	Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

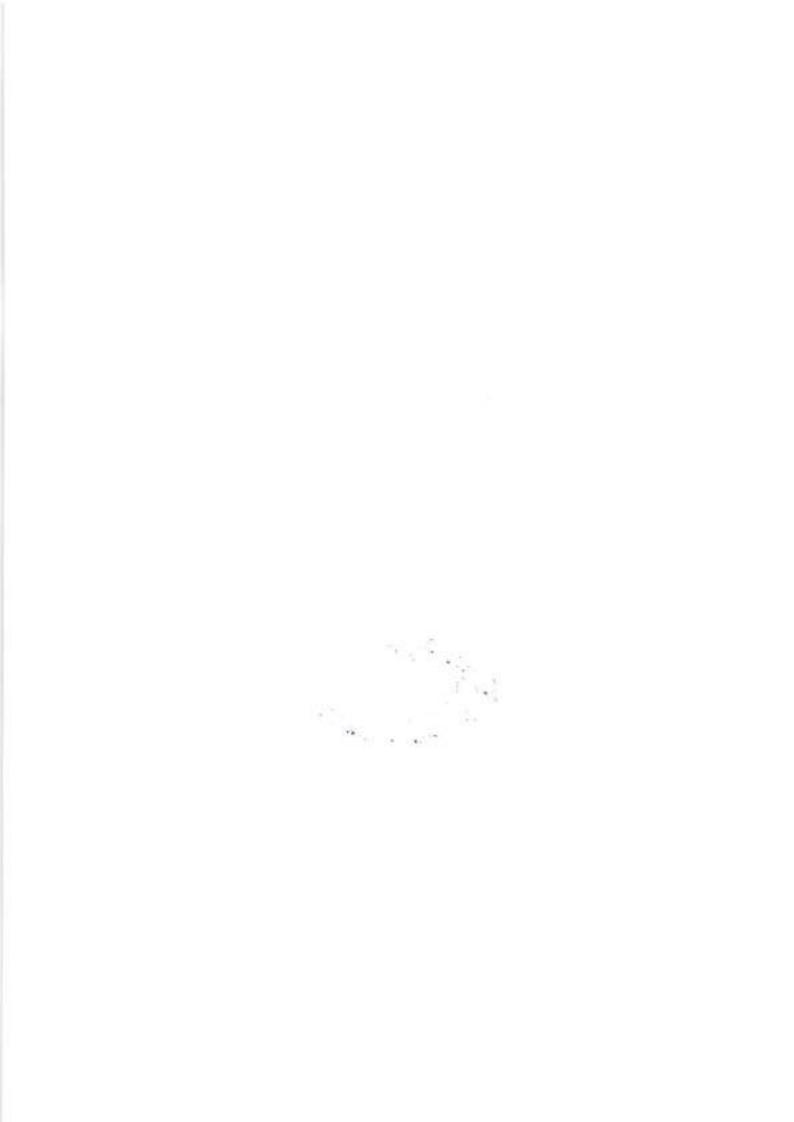
	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	tive Humidity	Temperature	Duration of Survey
- km/h	12	(M	ax./Min.]: -%	(Max./Min.): -°C	24 h
Parameter		sult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Pol	lution		17-5 m	
Particles ≥0.3µ		3289	Particle/m³	By Perticle Caunter	
Particles ≥0.5 μ	14	2136	Particle/m ^a	m.2. By Pierticle Counter	
Particles ≥1.0µ	70	0315	Particle/m [®]	* By Porticle Gounter	
Particles ≥ 2.5µ	65	9234	Particle/m ³	By Porticle Counter	
Particles ≥5.0 µ 2		157	Particle/m³	By Particle Counter	
Particles ≥ 10µ 18		876	Particle/m ³	By Porticle Counter	

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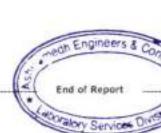
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TEST REPORT

Sample ID : AA/04/23/3079	Report No. AA/04/23/3079N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	03/04/2023 to04/04/2023
Sample Quantity / Packing	8	Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorolog	gical Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	-	ative Humidity	Temperature	Duration of Survey	
- km/h	-	(M	ax./Min.): -%	(Max./Min.): -°C	24 h	
Parameter	Parameter Re		Unit	Meth	od	
Chemical Testing; Group:	Atmospheric Po	Illution				
Particles ≥0.3µ	7	20463	Particle/m³	By Particle Counter		
Particles ≥0.5 µ	1	86757	Particle/m ³	By Particle Counter		
Particles ≥1.0µ	- 3	70323	Particle/m ³	By Particle Counter		
Particles ≥ 2.5µ		59472	Particle/m ³	By Particle Counter		
Particles ≥5.0 µ		3954	Particle/m ³	3 By Particle Counter		
Particles ≥ 10µ		1523	Particle/m³	3 By Particle Courter		

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TEST REPORT

Sample ID: AA/04/23/308	Report No. AA/04/23/3080N	Report Date	05/04/2023
Name and address of Customer	PNP Maritime Services Private Limiter 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	03/04/2023 to04/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	05/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	05/04/2023
Order Reference	As per PO No. PNP/March/Y8/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	05/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rel	ative Humidity	Temperature	Duration of Survey
+ km/h	*2	(Max./Min.): -%		(Max./Min.): -°C	24 h
Parameter	Re	esult	Unit	Meth	nod
Chemical Testing; Group	Atmospheric Pol	lution			
Particles ≥0.3µ	72	6426	Particle/m³	/ret ³ By Particle Counter	
Particles ≥0.5 µ	19	5248	Particle/m ³	m ³ By Particle Counter	
Particles ≥1.0µ	63	2302	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	45	5269	Particle/m ³	13 By Particle Counter	
Particles ≥5.0 µ	3	591	Particle/m³	By Particle Counter	
Particles ≥ 10µ	≥ 10µ 1074		Particle/m ³	By Particle Counter	
- Para Stilla I - Para Stilla		of the second		Laboration of the Control of the Con	

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TEST REPORT

Sample ID : AA/04/23/313	 Report No. AA/04/23/3131N 	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	06/04/2023 to07/04/2023
Sample Quantity / Packing	8	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

nd Direction	Relative Humidity (Max./Min.): -%	mental Conditions Temperature	Duration of Survey
-	/May /Min V - DC		Security and a second of the second
	Ziciera Stall (27) - 36	(Max./Min.): -°C	24 h
Resul	t Unit	Mel	thod
ospheric Polluti	on		2000
82459	Particle/r	n II By Particle Counter	
16235	55 Particle/o	1.3 By Pietricle Sourter	
7143	2 Particle/r	3 By Porticle Counter	
4215	3 Particle/r	By Particle Counter	
3020	Particle/r	* By Farticle Counter	
1673	Particle/n		
	0spheric Polluti 82459 16239 7143 4215 3020	Result Unit	Result Unit Mel

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TEST REPORT

Sample ID: AA/04/23/313	 Report No. AA/04/23/3132N 	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limits 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	06/04/2023 to07/04/2023
Sample Quantity / Packing	4	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

meteorologica	al Data	/ Environme	ental Conditions	
Wind Direction	ction Relative Humidity		Temperature	Duration of Survey 24 h
Resu		Unit	The state of the s	
tmospheric Pollut	ion			21
6924	27	Particle/m ³	By Particle Courter	
1523	64	Particle/m3		
6032	28	Particle/m ^a	By Pirticle Counter	
5029	50293 Particle/m ³		3 By Particle Counter	
212	8	Particle/m ³	3 By Fertide Counter	
156	2	Particle/m ³		
	Resultmospheric Pollut 6924 1523 6033 5029	Result tmospheric Pollution 692427 152364 60328	Result Unit	Max./Min.); -% (Max./Min.); -% (Max./Min.); -% Result Unit Method

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TEST REPORT

Sample ID: AA/04/23/313	3 Report No. AA/04/23/3133N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	06/04/2023 to07/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

	Meteorologic	al Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction		stive Humidity	Temperature	Duration of Survey
- km/h		(Max./Min.); -%		(Max./Min.): -°⊂	24 h
Parameter	Parameter Res		Unit	Meth	od
Chemical Testing; Group	: Atmospheric Pollu	tion			
Particles ≥0.3µ	624	189	Particle/m ³	13 By Farticle Counter	
Particles ≥0.5 µ	135	167	Particle/m [®]	By Particle Counter	
Particles ≥1.0µ	603	28	Particle/m ³	By Particle Courter	
Particles ≥ 2.5µ	461	34	Particle/m ³	3 By Porticle Counter	
Particles ≥5.0 µ	301	17	Particle/m ³	3 By Fernole Counter	
Particles ≥ 10µ	149	95	Particle/m ³		
2.671				CHILD CONTROL TO	

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TEST REPORT

	70700		
Sample ID : AA/04/23/313	4 Report No. AA/04/23/3134N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	06/04/2023 to07/04/202
Sample Quantity / Packing	9	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31,03,2023	Date - Completion of Analysis	08/04/2023

nd Direction	Data / Environm		
35.55.55.55.55.	Relative Humidity (Max./Min.): %	Temperature (Max./Min.): °C	Duration of Survey
Result	Unit	Method	
ospheric Pollutio	on.	10000	(A)(A)
72169	4 Particle/m³	m ³ By Farticle Counter	
15623	6 Particle/m ³		
50347	Particle/m ³		
32175	Particle/m ³	3 By Particle Counter	
2099	Particle/m ³	His Particle Counter	
1852	Particle/m ³	By Particle Counter	
	Result 0spheric Pollutio 72169 15623 50347 32175	(Max./Min.): %	(Max./Min.): % (Max./Min.): %C Result Unit Met/ Met/

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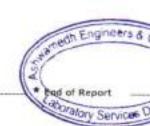
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TEST REPORT

		NOTES CONT.	
Sample ID : AA/04/23/313	5 Report No. AA/04/23/3135N	Report Date	08/04/2023
Name and address of Costomer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Dust
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	06/04/2023 to07/04/202
Sample Quantity / Packing	-	Date - Receipt of Sample	08/04/2023
Sampling Procedure	ii	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

-97	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Direction	Rel	ative Humidity	Temperature	Duration of Survey
			lax /Min.); -%	(Max./Min.): -°C	24 h
Parameter	Re	sult	Unit	Meth	nod
Chemical Testing; Group	Atmospheric Polle	ution			
Particles ≥0.3µ 629		544	Particle/m³	By Particle Counter	
Particles ≥0.5 µ	μ 132787		Particle/m ²	By Particle Counter	
Particles ≥1.0µ	60	434	Particle/m³	By Forticle Counter	
Particles ≥ 2.5µ	49	279	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ	30	65	Particle/m ³	m 3 By Particle Counter	
Particles ≥ 10µ	17	49	Particle/m [®]	By Porticle Counter	
4 873				For LOSS COLONIA STATE CO.	

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None

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TEST REPORT

Sample ID : AA/04/23/313	6 Report No. AA/04/23/3136N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	06/04/2023 to07/04/202
Sample Quantity / Packing		Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

	Meteorolog	ical Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	tive Humidity	Temperature	Duration of Survey
- km/h		(M)	ax./Min.): -%	(Max./Min.); -°C	24 h
Parameter		esult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Pol	lution			
Particles ≥0.3µ		9664	Particle/m ³	By Particle Courter	
Particles ≥0.5 µ 1		1831	Particle/m2	By Particle Counter	
Particles ≥1.0µ	70	0342	Particle/m³	By Particle Counter	
Particles ≥ 2.5µ 62974		2974	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ 20		067	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 13:		377	Particle/m3	By Particle Counter	

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TEST REPORT

	100,000		
Sample ID : AA/04/23/3137	Report No. AA/04/23/3137N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	06/04/2023 to07/04/202
Sample Quantity / Packing	S	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

901 - 300 - 300 000 - 300	Meteorologic	al Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Wind Direction Rela		Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°⊂	24 h
Parameter	Res	ult	Unit	Meti	nod
Chemical Testing; Group:	Atmospheric Pollu	tion		- Country	
Particles ≥0.3µ. 83		264	Particle/m [®]	By Particle Courter	
Particles ≥0.5 μ	μ 1623		Particle/m³	By Particle Counter	
Particles ≥1.0µ	560	34	Particle/m ³	m. ^a By Particle Counter	
Particles ≥ 2.5µ	489	27	Particle/m ³	By Farticle Counter	
Particles ≥5.0 µ 26		58	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 100		04	Particle/m³	By Perticle Counter	

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TEST REPORT

Sample ID: AA/04/23/313	8 Report No. AA/04/23/3138N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	06/04/2023 to07/04/2023
Sample Quantity / Packing	\$	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

	Meteorologi	ical Data	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	Rela	tive Humidity	Temperature	Duration of Survey	
- km/h	-	(M	ax./Min.): -%	(Max./Min.); -°C	24 h	
Parameter	Re	sult	ult Unit		Method	
Chemical Testing; Group:	Atmospheric Poll	lution				
Particles ≥0.3µ		1246	Particle/m³	By Particle Counter		
Particles ≥0.5 μ	11	5975	Particle/m ³	By Particle Doubter		
Particles ≥1.0µ	52	2485	Particle/m*	* By Particle Counter		
Particles ≥ 2.5µ	30	249	Particle/m ³	By Particle Courter		
Particles ≥5.0 µ		957	Particle/m ³	By Particle Dounter		
Particles ≥ 10µ	1	425	Particle/m ³	By Particle Counter		

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TEST REPORT

Sample ID : AA/04/23/313	9 Report No. AA/04/23/3139N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	06/04/2023 to07/04/2023
Sample Quantity / Packing	•	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

-x. = x.m montes	Meteoro	ological (Data / Environme	ental Conditions	
Average Wind Velocity	Wind Direct		Relative Humidity	Temperature	Duration of Survey
- km/h			(Max./Min.): -%	(Max./Min.): -°C	24 h
Parameter		Result	Unit	Meth	od
Chemical Testing; Group:	Atmospheric	Pollution			
Particles ≥0.3µ		702633	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ	1952		Particle/m ³	By Particle Counter	
Particles 21.0µ		71263	Particle/m³	ni ^a By Porticle Gounter	
Particles ≥ 2.5µ		60245	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		3587	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		1264	Particle/m ³	Ba Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/314	Report No. AA/04/23/3140N	Report Date	08/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	06/04/2023 to07/04/2023
Sample Quantity / Packing	41	Date - Receipt of Sample	08/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	08/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	08/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	stive Humidity	Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Re	esult	Unit	Meth	nod
Chemical Testing; Group	: Atmospheric Pol	lution			
Particles ≥0.3µ		0363	Particle/m ³	By Particle Counter	
Particles ≥0.5 μ		4532	Particle/m³	By Particle Courter	
Particles ≥1.0µ	50	0434	Particle/m³	/m3 By Particle Counter	
Particles ≥ 2.5µ	3:	7496	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		813	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		425	Particle/m ³	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/317	 Report No. AA/04/23/3171N 	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushari Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	10/04/2023 tol1/04/202
Sample Quantity / Packing	*:	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023		Date - Completion of Analysis	12/04/2023

	Meteorolo	gical Da	ta / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Direction Re		lative Humidity	Temperature	Duration of Survey
	-	(1	Max./Min.): -%	(Max./Min.): -°C	24 h
Parameter	1	Result	Unit	Method	
Chemical Testing; Group:	Atmospheric P	ollution		usus - ma	
Particles ≥0.3µ		722548 Particle/m ³		By Particle Counter	
Particles ≥0.5 µ	Particles ≥0.5 µ 160		Particle/m³	By Particle Counter	
Particles ≥1.0µ		74870	Particle/m3	By Particle Counter	
Particles ≥ 2.5µ		52034	Particle/m ³	By Particle Counter	
Particles ≥5.0 μ		2871	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		1924 Particle/n		By Particle Counter	

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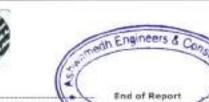
TEST REPORT

Sample ID : AA/04/23/317	2 Report No. AA/04/23/3172N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	10/04/2023 to11/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023		Date - Completion of Analysis	12/04/2023

	Meteorolo	ogical Dat	a / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Directio	rection Relative Humidity - (Max,/Min,): -%		Temperature (Max./Min.): -°C	Duration of Survey 24 h
	*				
Parameter		Result	sult Unit Method		nod
Chemical Testing; Group	Atmospheric P	Pollution			
Particles ≥0.3µ		804279	Particle/m³	Es Porticle Counter	
Particles ≥0.5 µ		162045 Particle/m³		By Particle Counter	
Particles ≥1.0µ		48277 Particle/m ³		Sy Porticle Counter	
Particles ≥ 2.5µ		35321 Particle/m ³		By Porticle Counter	
Particles ≥5.0 μ		2089	Particle/m ³	By Porticle Counter	
Particles ≥ 10µ		1420	Particle/m ³	rticle/m3 Ex Particle Counter	

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TEST REPORT

Sample ID: AA/04/23/317	3 Report No. AA/04/23/3173N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	10/04/2023 to11/04/2023
Sample Quantity / Packing	¥3	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03:2023	Date - Completion of Analysis	12/04/2023

	Meteorologic	al Dat	a / Environme	ental Conditions	III 55 - 10 - 10385
Average Wind Velocity	Wind Direction	AND THE PROPERTY OF THE PROPER		Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Parameter Res		Unit	Method	
Chemical Testing; Group:	Atmospheric Pollu	ition		Maria Sur Cara S	
Particles ≥0.3µ		523	Particle/m [‡]	By Pertide Counter	
Particles ≥0.5 μ	11745		Particle/m ³	By Particle Counter	
Particles ≥1.0μ	628	832	Particle/m³	n® By Pertide Counter	
Particles ≥ 2.5µ 57205		205	Particle/m³	By Particle Counter	
Particles ≥5,0 μ 2934		34	Particle/m ³	By Particle Counter	
Particles ≥ 10µ	17	99	Particle/m³	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/317	4 Report No. AA/04/23/3174N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	10/04/2023 to11/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	stive Humidity	Temperature	Duration of Survey
- km/h		[M	ax./Mm.): -%	(Max./Min.): -°C	24 h
Parameter		esult	Unit	Meth	nod
Chemical Testing; Group	: Atmospheric Po	llution			
Particles ≥0.3µ		24263	Particle/m3	By Particle Counter	
Particles ≥0.5 µ	18	85472	Particle/m ^a	By Perticle Courter	
Particles ≥1.0µ	7	1341	Particle/m³	n.º By Particle Counter	
Particles ≥ 2.5µ	6	0487	Particle/m ³	By Particle Dounter	
Particles ≥5.0 µ 4		4101	Particle/m³	By Particle Counter	
Particles ≥ 10µ		1967	Particle/m ^p	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/317	Report No. AA/04/23/3175N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	10/04/2023 tol1/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/VB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorologic	al Data	a / Environme	ental Conditions	
Average Wind Velocity Wind Direction		tion Relative Humidity (Max./Min.): -%		Temperature (Max./Min.): -°C	Duration of Survey 24 h
Parameter Res		ult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Pollu	tion			
Particles ≥0.3µ 6		574	Particle/m ³	By Forticle Counter	
Particles ≥0.5 µ	170	361	Particle/m ³	n/mm ⁻³ By Porticle Counter	
Particles ≥1.0µ	69	730	Particle/m³	1 By Particle Counter	
Particles ≥ 2.5µ 43207		207	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ 29		48	Particle/m³	By Particle Counter	
Particles ≥ 10µ 100		00	Particle/m ³	By Particle Causter	

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TEST REPORT

Sample ID : AA/04/23/317	6 Report No. AA/04/23/3176N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	10/04/2023 to11/04/202
Sample Quantity / Packing	-	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorolog	ical Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	tive Humidity	Temperature	Duration of Survey
- km/h	**	(M	ax./Min.): -%	(Max./Min.): -=C	24 h
Parameter		esult	Unit	Meth	od
Chemical Testing; Group:	Atmospheric Pol	lution			
Particles ≥0.3µ		6438	Particle/m ³	By Particle Counter	
Particles ≥0.5 μ	132521		Particle/m ³	By Pwrticle Counter	
Particles ≥1.0µ	7:	2410	Particle/m³	By Particle Counter	
Particles ≥ 2.5µ	- 4	0073	Particle/m ³	By Particle Counter	
Particles ≥5.0 μ 2124		124	Particle/m³	By Particle Counter	
Particles ≥ 10µ 1873		873	Particle/m ³	By Particle Coarter	

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TEST REPORT

Sample ID: AA/04/23/317	7 Report No. AA/04/23/3177N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	10/04/2023 to11/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorologic	al Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	ection Relative Humidity		Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter Res		ult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Pollu	tion			
Particles ≥0.3µ 6085		524	Particle/m ³	By Particle Courter	
Particles ≥0.5 µ	μ 1730		Particle/m ³	By Particle Counter	
Particles ≥1.0µ	≥1.0µ 59753 Particl		Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ 320		47	Particle/m ³	By Particle Courter	
Particles ≥5.0 µ 298		89	Particle/m³	By Particle Courter	
Particles ≥ 10µ	13	63	Particle/m³	By Porticle Counter	

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TEST REPORT

Sample ID: AA/04/23/317	8 Report No. AA/04/23/3178N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lai Gate (PNP Port)	Date + Sampling	10/04/2023 to11/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorolo	ogical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	n Rela	ative Humidity	Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter R		Result	Unit	Meth	od
Chemical Testing; Group:	Atmospheric P	Pollution			
Particles ≥0.3µ		803426	Particle/m ³	By Particle Counter	
Particles ≥0.5 μ	Particles ≥0.5 μ 1123		Particle/m²	By Particle Counter	
Particles ≥1.0µ	Particles ≥1.0µ 62877		Particle/m ³	By Perticle Courter	
Particles ≥ 2.5µ 4025		40256	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ 31		3140	Particle/m³	By Particle Dounter	
Particles ≥ 10µ 187		1873	Particle/m ³	By Particle Daunter	

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TEST REPORT

Sample ID : AA/04/23/317	9 Report No. AA/04/23/3179N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	10/04/2023 to11/04/202
Sample Quantity / Packing	-	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorolo	gical Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	rtive Humidity	Temperature	Duration of Survey
- km/h	*	(M)	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	F	Result	Unit	Method	
Chemical Testing; Group:	Atmospheric Po	llution		JI	
Particles ≥0.3µ 73		20583	Particle/m³	By Porticle Counter	
Particles ≥0.5 μ	1	52065	Particle/m³	By Perticle Counter	
Particles ≥1.0µ		68579	Particle/m ³	By Perficie Counter	
Particles ≥ 2.5µ		30248	Particle/m ³	By Porticle Counter	
Particles ≥5.0 µ 2752		2752	Particle/m ³	By Porticle Counter	
Particles ≥ 10µ 1637		1637	Particle/m ³	By Particle Courter	

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End of Report

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TEST REPORT

Sample ID: AA/04/23/318	Report No. AA/04/23/3180N	Report Date	12/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DJL Godown Back Side (PNP Port)	Date - Sampling	10/04/2023 to11/04/2023
Sample Quantity / Packing	3.	Date - Receipt of Sample	12/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	12/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	12/04/2023

	Meteorolog	ical Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	tive Humidity	Temperature	Duration of Survey
- km/h		(Mi	ax./Min.): -%	(Max./Min.); -°C	24.h
Parameter	R	esult	Unit	Meth	od
Chemical Testing; Group	Atmospheric Po	llution			
Particles ≥0.3µ		02475	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ	152864		Particle/m ³	By Porticle Courter	
Particles ≥1.0µ	6	0328	Particle/m ³	By Harticle Counter	
Particles ≥ 2.5µ	4	2677	Particle/m ³	By Particle Courter	
Particles ≥5.0 μ 2935		2935	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 1042		1042	Particle/m³	By Particle Counter	
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TEST REPORT

Sample 1D : AA/04/23/325	8 Report No. AA/04/23/3258N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Main Gate (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	rection Relative Humidity		Temperature	Duration of Survey	
- km/h	3	(M	ax./Mm,): -%	(Max./Min.): -°C	24 h	
Parameter	Re	sult	Unit	Meth	Method	
Chemical Testing; Group	Atmospheric Poll	ution				
Particles ≥0.3µ	Particles ≥0.3µ 80		Particle/m ¹	By Ferticle Counter		
Particles ≥0.5 µ	15	0247	Particle/m ³	By Fanticle Counter		
Particles ≥1.0µ	79	304	Particle/m³	By Farticle Counter		
Particles ≥ 2.5µ 50246		246	Particle/m³	By Particle Counter		
Particles ≥5.0 µ 29		959	Particle/m ³	By Forticle Counter:		
Particles ≥ 10µ 120		203	Particle/m³	By Farticle Counter		
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TEST REPORT

Sample ID : AA/04/23/325	9 Report No. AA/04/23/3259N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No. 1 (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31,03.2023	Date - Completion of Analysis	15/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	ative Humidity	Temperature	Duration of Survey
- km/h		(M	tax./Min.): -%	(Max./Min.); -°C.	24 h
Parameter	Re	esult	Unit	Method	
Chemical Testing; Group:	Atmospheric Pol	lution			
Particles ≥0.3µ		2347	Particle/m1	By Farticle Counter	
Particles ≥0.5 µ	12	9536	Particle/m ³	By Farticle Counter	
Particles ≥1.0µ	5	3025	Particle/m³	By Farticle Counter	
Particles ≥ 2.5µ 36		6298	Particle/m³	By Particle Counter	
Particles ≥5.0 µ 2		2414	Particle/m ³	By Farticle Country	
Particles ≥ 10µ 202		1023	Particle/m³	By Farticle Counter	
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TEST REPORT

	E 20 20 (2)		
Sample ID : AA/04/23/326	Report No. AA/04/23/3260N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No. 2 (PNP Port)	Date - Sampling	13/04/2023 to 14/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

	Meteorologi	cal Data	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Vind Direction Rela		Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Re	Result Unit		Method	
Chemical Testing; Group	Atmospheric Poll	ution		116.53	
Particles ≥0.3µ		2435	Particle/m [®]	By Farticle Counter	
Particles ≥0.5 μ	169		Particle/m ³	By Farticle Counter	
Particles ≥1.0µ	70	214	Particle/m³	1.3 By Particle Counter	
Particles ≥ 2.5µ	48	136	Particle/m³	By Farticle Counter	
Particles ≥5.0 µ 3		627	Particle/m³	By Particle Counter	
Particles ≥ 10µ 100		080	Particle/m ³	By Particle Counter	

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TEST REPORT

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Sample 1D : AA/04/23/326	 Report No. AA/04/23/3261N 	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No. 3 (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

	Meteorolog	ical Data	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	Rela	tive Humidity	Temperature	Duration of Survey	
- km/h		(14)	ax./Min.): -1/6	(Max./Min.): -°C	24 h	
Parameter	R	Result Unit		Method		
Chemical Testing; Group:	Atmospheric Pol	lution				
Particles ≥0.3µ		2016	Particle/m³	By Particle Counter		
Particles ≥0.5 µ	112487		Particle/m ³	By Particle Counter		
Particles ≥1.0µ	6	0824	Particle/m ³	By Particle Counter		
Particles ≥ 2.5µ	5	3435	Particle/m³	By Particle Coxiter		
Particles ≥5.0 μ		2049	Particle/m ³	By Particle Counter		
Particles ≥ 10µ		278	Particle/m³	By Particle Counter		

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TEST REPORT

Sample ID : AA/04/23/326	2 Report No. AA/04/23/3262N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near PNP Jetty No.5 (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

	Meteorol	ogical Da	ta / Environme	ental Conditions			
Average Wind Velocity	Wind Direction	on Re	elative Humidity	Temperature	Duration of Survey		
- km/h	- 25	(Max./Min.): -%	(Max./Min.): -°C	24 h		
Parameter	Resu		Parameter		Unit	Meth	od
Chemical Testing; Group:	Atmospheric	Pollution					
Particles ≥0.3µ		607455	Particle/m ³	By Particle Counter			
Particles ≥0.5 µ	s ≥0.5 µ 162		Particle/m³	By Particle Counter			
Particles ≥1.0µ		50187	Particle/m ³	ms ³ By Particle Counter			
Particles ≥ 2.5µ 602		60242	Particle/m ³	By Farticle Counter			
Particles ≥5.0 µ 362		3625	Particle/m ³	By Forticle Counter			
Particles ≥ 10µ		1097	Particle/m ³	By Particle Counter			

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TEST REPORT

Sample ID: AA/04/23/326	3 Report No. AA/04/23/3263N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing	P	Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

	Meteorologic	al Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	ection Relative Humidity		Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.); -°C	24 h
Parameter Re		ult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Pollu	tion			
Particles ≥0.3µ		455	Particle/m ³	By Porticle Counter	
Particles ≥0.5 µ		527	Particle/m ³	By Perticle Counter	
Particles ≥1.0µ	504	186	Particle/m ³	n3 By Particle Counter	
Particles ≥ 2.5µ 32024		024	Particle/m ³	By Perticle Coaster	
Particles ≥5.0 μ		57	Particle/m ³	By Particle Counter	
Particles ≥ 10µ	11	10	Particle/m ³	By Particle Coanter	

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TEST REPORT

Sample ID: AA/04/23/326	4 Report No. AA/04/23/3264N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limits 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Celaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

	Meteorologic	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	rection Relative Humidity		Temperature	Duration of Survey
- km/h		(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter Res		sult	Unit	Meth	nod
Chemical Testing; Group	Atmospheric Polle	ution			
Particles ≥0.3µ	rticles ≥0.3µ 820-		Particle/m3	By Particle Counter	
Particles ≥0.5 µ	0.5 µ 159		Particle/m³	By Particle Counter	
Particles ≥1.0µ	60-	452	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	55	734	Particle/m ³	By Pierticle Counter	
Particles ≥5.0 µ 2363		163	Particle/m³	By Perticle Counter	
Particles ≥ 10µ	10	147	Particle/m*	By Porticle Counter	
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TEST REPORT

Sample ID : AA/04/23/326	5 Report No. AA/04/23/3265N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	A CONTRACTOR OF THE CONTRACTOR
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

Meteorologic	al Data	a / Environme	ental Conditions				
Wind Direction			Temperature (Max./Min.): -°C	Duration of Survey 24 h			
Parameter Res		Parameter Res		Unit	Meth	ethod	
Atmospheric Pollu	ition						
752	749	Particle/m³	By Particle Courter				
162	325	Particle/m ^a	By Particle Counter				
402	247	Particle/m ³	m.3 By Particle Counter				
Particles ≥ 2.5µ 326		Particle/m ³	By Particle Counter				
Particles ≥5.0 µ 8		Particle/m³	By Particle Counter				
Particles ≥ 10µ 174		Particle/m3	By Particle Counter				
	Res Atmospheric Politi 752 162 403 326	Wind Direction Rela	Result Unit	Max./Min.): -% (Max./Min.): -~C			

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TEST REPORT

Sample ID: AA/04/23/326	6 Report No. AA/04/23/3266N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing	=	Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	15/04/2023

Meteorologic	al Dat	a / Environme	ental Conditions	
Wind Direction	ection Relative Humidity		Temperature	Duration of Survey
+	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Res	ult	Unit	Meth	nod
Atmospheric Pollu	tion			
702	493	Particle/m³	By Purticle Counter	
124	324	Particle/m³	By Particle Counter	
.0μ 6542		Particle/m³	By Pieticle Counter	
Particles ≥ 2.5µ 3097		Particle/m ³	By Particle Counter	
Particles ≥5.0 µ 25		Particle/m ³	By Perticle Courter	
17	42	Particle/m3	By Porticle Counter	
	Wind Direction Res Atmospheric Pollu 702 124 654 309	Wind Direction Rela		Hesult Unit Heta

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TEST REPORT

Sample ID : AA/04/23/326	7 Report No. AA/04/23/3267N	Report Date	15/04/2023
Name and address of Customer	PNP Maritime Services Private Limited 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Celaba, Mumbai - 400001, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	13/04/2023 to14/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	15/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	15/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Dute - Completion of Analysis	15/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	rection Relative Humidity		Temperature	Duration of Survey
- km/h	**	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter Resi		esult	Unit	Meth	od
Chemical Testing; Group	Atmospheric Po	llution			
Particles ≥0.3µ 603		2458	Particle/m³	By Particle Counter	
Particles ≥0.5 µ	Particles ≥0.5 µ 1792		Particle/m ²	By Perticle Counter	
Particles ≥1.0µ	4	8063	Particle/m3	e/m 3 By Particle Counter	
Particles ≥ 2.5µ 320		2027	Particle/m3	By Particle Counter	
Particles ≥5.0 µ 216		2169	Particle/m³	By Particle Counter	
Particles ≥ 10u 1472		1472	Particle/m ³	By Particle Counter	

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TEST REPORT

Sample ID: AA/04/23/335	Report No. AA/04/23/3350N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Reli	ative Humidity	Temperature	Duration of Survey
- km/n		(M)	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	R	esult	Unit	Method	
Chemical Testing; Group	Atmospheric Pol	lution		911	
Particles ≥0.3µ 720		0236	Particle/m ³	By Porticle Counter	
Particles ≥ 0.5 µ 1954		5472	Particle/m³	By Perticle Counter	
Particles ≥1.0µ	7	8543	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	5	9274	Particle/m ³	By Porticle Counter	
Particles ≥5.0 µ 25		513	Particle/m ³	By Porticle Counter	
Particles ≥ 10µ	1	695	Particle/m³	By Particle Counter	
Control of the Contro		Charles Co.		A STATE OF THE PARTY OF THE PAR	

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TEST REPORT

	2007	I F NEIDO F CENT	
Sample ID : AA/04/23/335	Report No. AA/04/23/3351N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakawi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	_	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorol	logical D	Data / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	on	Relative Humidity	Temperature	Duration of Survey	
- km/h			(Max./Min.): -%	(Max./Min.): -°C	24 h	
Parameter		Result	Unit	Method		
Chemical Testing; Group:	Atmospheric	Pollution	i i	177.220		
Particles ≥0.3µ		852462	Particle/m³	By Particle Counter		
Particles ≥0.5 µ	Particles ≥0.5 µ 1		Particle/m³	Hy Particle Counter		
Particles ≥1.0µ		59231	Particle/m ³	/m² By Farticle Counter		
Particles ≥ 2.5µ		42187	Particle/m ³	By Partide Counter		
Particles ≥5.0 µ		2561	Particle/m³	By Forticle Counter		
Particles ≥ 10µ		1748	Particle/m ³	By Particle Counter		

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TEST REPORT

Sample ID: AA/04/23/335	2 Report No. AA/04/23/3352N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Reli	ative Humidity	Temperature	Duration of Survey
+ km/h	- 5	(19)	tax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Re	sult	Unit	Method	
Chemical Testing; Group	Atmospheric Pol	lution			
Particles > 0.3µ		2433	Particle/m3	By Particle Counter	
Particles ≥0.5 µ		5740	Particle/m ²	By Perticle Counter	
Particles ≥1.0µ	50	56212 Particle/m ³ By Particle Counter			
Particles ≥ 2.5µ	30	0067	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		634	Particle/m ²	By Particle Counter	
Particles ≥ 10µ		459	Particle/m ³	By Particle Counter	
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TEST REPORT

Sample ID : AA/04/23/335	3 Report No. AA/04/23/3353N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	2:	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date + Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31,03,2023	Date - Completion of Analysis	19/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	Rela	ative Humidity	Temperature	Duration of Survey	
- km/h	-	(M	ax./Min.): -%	(Max./Min.): -°C	24 h	
Parameter	Parameter R		Unit	Meth	Method	
Chemical Testing; Group:	Atmospheric Po	llution				
Particles ≥0.3µ		54868	Particle/m ³	By Particle Counter		
Particles ≥0.5 μ		21243	Particle/m ³	By Particle Dounter		
Particles ≥1.0µ	5	6201	Particle/m ³	By Particle Counter		
Particles ≥ 2.5µ		0263	Particle/m ³	By Particle Counter		
Particles ≥5.0 µ		2106	Particle/m ³	By Particle Counter		
Particles ≥ 10µ		1593	Particle/m ³	By Farticle Counter		

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TEST REPORT

Sample ID : AA/04/23/335	4 Report No. AA/04/23/3354N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	17/04/2023 to18/04/202
Sample Quantity / Packing	+1	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorologic	cal Data	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	irection Relative		Temperature	Duration of Survey	
- km/h	- 2	(M)	ax./Mm.): -%	(Max./Min.): -°C	24 h	
Parameter	Res	sult	Unit	Meth	od	
Chemical Testing; Group:	Atmospheric Pollu	ition				
Particles ≥0.3µ		487	Particle/m ³	By Particle Counter		
Particles ≥0.5 µ		130	Particle/m ³	By Particle Counter		
Particles ≥1.0µ	54	027	Particle/m ^a	im ³ By Perticle Counter		
Particles ≥ 2.5µ		294	Particle/m³	8y Perticle Counter		
Particles ≥5:0 µ		64	Particle/m ³	By Particle Counter		
Particles ≥ 10µ 1		75	Particle/m³	By Particle Counter		

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		21007/12/2011	
Sample ID : AA/04/23/335	5 Report No. AA/04/23/3355N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limits 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	17/04/2023 to18/04/202
Sample Quantity / Packing	C.	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	The state of the s		ative Humidity	Temperature	Duration of Survey
- km/h	-	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Res	sult	Unit	Meti	nod
Chemical Testing; Group:	Atmospheric Polli	ution			
Particles ≥0.3µ		236	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ		245	Particle/m ³	By Particle Clauster	
Particles ≥1.0µ	69	457	Particle/m ³	m 8 By Porticle Counter	
Particles ≥ 2.5µ		566	Particle/m ³	By Pwrticle Counter	
Particles ≥5.0 μ		48	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		67	Particle/m ³	By Particle Counter	
17				The second secon	

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TEST REPORT

Sample ID: AA/04/23/335	6 Report No. AA/04/23/3356N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	ection Relative Humidity		Temperature	Duration of Survey
- km/h		(M	ax./Min.); -%	(Max./Min.): -°C	24 h
Parameter Re		esult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Pol	llution			
Particles ≥0.3µ		24854	Particle/m ³	By Farticle Counter	
Particles ≥0.5 μ		23467	Particle/m³	By Farticle Counter	
Particles ≥1.0μ	5	0795	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ 421		2172	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		2645	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 189		897	Particle/m ³	By Particle Counter	
			11 12 12 12 12 12 12 12 12 12 12 12 12 1	A CONTRACTOR OF THE CONTRACTOR	

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TEST REPORT

Sample ID : AA/04/23/3357	Report No. AA/04/23/3357N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lal Gate (PNP Port)	Date - Sampling	17/04/2023 to18/04/202
Sample Quantity / Packing	-	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

Meteorologic	al Data	a / Environme	ental Conditions	
Wind Direction	(Max./Min.); -%		Temperature	Duration of Survey
no.			The second secon	24 h
		Unit	Metr	od
Atmospheric Pollu	tion			
782	432	Particle/m ³	By Particle Counter	
151	274	Particle/m³	By Perticle Counter	
484	67	Particle/m [®]	/m [®] By Pieticle Counter	
Particles ≥ 2.5µ 392		Particle/m³	By Porticle Counter	
298	87	Particle/m ³	Hy Porticle Counter	
Particles ≥ 10µ 1456		Particle/m ³	By Farticle Counter	
	Res Atmospheric Pollu 782- 151: 484 392 298	Wind Direction Rela		Max./Min.): -% (Max./Min.): -°C

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TEST REPORT

Sample ID: AA/04/23/335	8 Report No. AA/04/23/3358N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	¥	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

n scovings	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Reli	ative Humidity	Temperature Duration of Si	
- km/h	-	(M	ax./Min.}; -%	(Max./Min.); -°C	24 h
Parameter	Parameter Re:		Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Poll	ution			Mark The Control of t
Particles ≥0.3µ	Particles ≥0.3µ 78		Particle/m³	By Particle Counter	
Particles ≥0.5 µ	120	1429	Particle/m ³	By Farticle Counter	
Particles ≥1.0μ	62	124	Particle/m ³	e/m ³ 8 _i Firtide Courter	
Particles ≥ 2.5µ 3265		659	Particle/m ³	By Particle Courter	
Particles ≥5.0 µ 2121		21	Particle/m ²	By Particle Coorter	
Particles ≥ 10µ 1604		04	Particle/m ³	By Perticle Counter	
				The state of the s	

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TEST REPORT

Sample ID : AA/04/23/335	9 Report No. AA/04/23/3359N	Report Date	19/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DTL Godown Back Side (PNP Port)	Date - Sampling	17/04/2023 to18/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	19/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	19/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	19/04/2023

	Meteorolo	ogical Da	ta / Environme	ental Conditions		
Average Wind Velocity	Wind Directio			Temperature	Duration of Survey	
- km/h	-	- (Max./Min.): -%	(Max./Min.): -°C	24 h	
Parameter		Result Unit		Method		
Chemical Testing; Group:	Atmospheric F	Pollution			202	
Particles ≥0.3µ		824263	Particle/m³	By Particle Counter		
Particles ≥0.5 µ		159720	Particle/m ³	By Particle Counter		
Particles ≥1.0µ	articles ≥1.0µ 40279		Particle/m ³	By Particle Counter		
Particles ≥ 2.5µ 3		30467 Particl		By Forticle Counter		
Particles ≥5.0 μ 2549		2549	Particle/m ³	Hy Particle Counter		
Particles ≥ 10µ	Particles ≥ 10µ 1235		Particle/m³	By Porticle Counter		
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TEST REPORT

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Sample ID : AA/04/23/351	7 Report No. AA/04/23/3517N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	20/04/2023 to21/04/202
Sample Quantity / Packing	•	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorologic	al Dat	a / Environme	ental Conditions		
Average Wind Velocity - km/h	Wind Direction	Relative Humidity (Max./Min.): -%		Temperature (Max./Min.): -°C	Duration of Survey 24 h	
Parameter	Res	ult	Unit	Meth		
Chemical Testing; Group:	Atmospheric Pollu	tion				
Particles ≥0.3µ	articles ≥0.3µ 6267		Partide/m³	By Particle Counter		
Particles ≥0.5 µ	134	522	Particle/m [®]	By Printicle Counter:		
Particles ≥1.0µ	878	78	Particle/m ^a	A By Ferticle Counter		
Particles ≥ 2.5µ	Particles ≥ 2.5µ 35663		Particle/m³	By Farticle Counter		
Particles ≥5.0 μ	84	56	Particle/m³	By Particle Counter		
Particles ≥ 10µ	58	82	Particle/m ³	3 By Farticle Counter		

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TEST REPORT

Sample ID : AA/04/23/351	B Report No. AA/04/23/3518N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 480001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. I (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	(*)	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

Meteorologic	al Data	a / Environme	ental Conditions	
Wind Direction	Relative Humidity (Max./Min.): -%		Temperature (Max./Min.): -°C	Duration of Survey 24 h
Parameter Re:		Unit	Meth	od
Atmospheric Pollu	tion	A.		0.50
634	717	Particle/m ³	By Forticle Counter	
133	636	Particle/m³	By Particle Counter	
863	63	Particle/m ³	m.º By Perticle Counter	
Particles ≥ 2.5µ 477		Particle/m ³	By Farticle Counter	
86	33	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 477		Particle/m3	By Particle Counter	
	Res Atmospheric Pollu 634 133 863 477	Wind Direction Rela	Wind Direction	- (Max./Min.): -% (Max./Min.): -% Result Unit Meth Atmospheric Pollution 634717 Particle/m³ By Perticle Counter 133636 Particle/m³ By Perticle Counter 86363 Particle/m³ By Ferticle Counter 47787 Particle/m³ By Ferticle Counter 8633 Particle/m³ By Particle Counter

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TEST REPORT

Sample ID: AA/04/23/351	9 Report No. AA/04/23/3519N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	*	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolo	gical Dat	a / Environme	ental Conditions	
Average Wind Velocity			ative Humidity	Temperature	Duration of Survey
- km/h	32	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	F	Result	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Po	ollution		- Bons	
Particles ≥0.3µ		71717	Particle/m³	By Particle Counter	
Particles ≥0.5 μ	14		Particle/m ²	By Particle Counter	
Particles ≥1.0µ		77788	Particle/m ^a	By Particle Counter	
Particles ≥ 2.5µ		47858	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ 6663		6663	Particle/m³	By Pirticle Counter	
Particles ≥ 10µ 5477		5477	Particle/m ³	By Particle Counter	

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TEST REPORT

Sample ID: AA/04/23/352	0 Report No. AA/04/23/3520N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limits 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	1	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/VB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolo	gical Dat	ta / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	Rel	lative Humidity	Temperature	Duration of Survey 24 h	
- km/h		(14	fax./Mm.): -%	(Max./Min.): -°C		
Parameter		Result Unit		Method		
Chemical Testing; Group:	Atmospheric P	ollution		20000	VIII	
Particles ≥0.3µ		623656 Particle/m ³		By Particle Causter		
Particles ≥0.5 μ	1	33546	Particle/m ³	By Perticle Courter		
Particles ≥1.0µ		72366	Particle/m ³	m ³ By Particle Counter		
Particles ≥ 2.5µ 5547		55478	Particle/m ³	By Particle Counter		
Particles ≥5.0 µ 8684		8684	Particle/m3	By Particle Counter		
Particles ≥ 10µ 4		4563	Particle/m3	By Particle Counter		

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End of Report

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TEST REPORT

Sample ID: AA/04/23/352	 Report No. AA/04/23/3521N 	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PG No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Direction			Temperature (Max./Min.): -°C	Duration of Survey 24 h
Parameter		Result Unit		Method	
Chemical Testing; Group:	Atmospheric Pol	llution			
Particles ≥0.3µ		23663	Particle/m ³	By Porticle Counter	
Particles ≥0.5 µ	Particles ≥0.5 µ 14		Particle/m³	By Porticle Counter	
Particles ≥1.0µ	8	5631	Particle/m³	irri ³ By Perticle Counter	
Particles ≥ 2.5µ	Particles ≥ 2.5µ 463		Particle/m³	By Porticle Counter	
Particles ≥5.0 μ 85		3556	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 436		1363	Particle/m³	By Particle Courter	

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TEST REPORT

Sample ID: AA/04/23/352	2 Report No. AA/04/23/3522N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Ref	stive Humidity	Temperature	Duration of Survey 24 h
- km/h		(14	ax./Min.): -%	(Max./Min.): -°C	
Parameter	Re	sult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Poll	ution			
Particles ≥0,3µ		3366	Particle/m ³	By Farticle Counter	
Particles ≥0.5 µ		4774	Particle/m ³	By Farticle Counter	
Particles ≥1.0μ	85	463	Particle/m³	no.3 - By Particle Counter	
Particles ≥ 2.5µ	35	699	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		663	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		564	Particle/m³	By Particle Counter	

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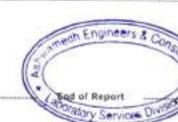
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TEST REPORT

Sample ID : AA/04/23/352	3 Report No. AA/04/23/3523N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	-	Dute - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorologic	cal Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	Ret	ative Humidity	Temperature	Duration of Survey	
- km/h	-	(M	tax./M:n.): -%	(Max./Min.): -°C	24 h	
Parameter		Result Unit		Method		
Chemical Testing; Group:	Atmospheric Polls	ution				
Particles 20.3µ 6674		477	Particle/m ³	Sy Particle Capoter		
Particles ≥0.5 μ	170144		Particle/m ³	By Particle Counter.		
Particles ≥1.0µ	686	010	Particle/m ³	By Porticle Causter		
Particles ≥ 2.5µ 53030		030	Particle/m ³	By Particle Counter		
Particles ≥5.0 μ 2223		23	Particle/m ³	By Particle Courter		
Particles ≥ 10µ 1316		16	Particle/m ³	By Particle Counter		

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TEST REPORT

Sample ID : AA/04/23/352	4 Report No. AA/04/23/3524N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limits 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	110000000000000000000000000000000000000	2010472023
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	\simeq	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

and the second s	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Direction	(Max./Min.): -% Result Unit		Temperature (Max./Min.): -°C	Duration of Survey 24 h
Parameter	Re			Method	
Chemical Testing; Group:	Atmospheric Poll	ution			
Particles ≥0.3µ		6334	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ	13	6711	Particle/m³	By Particle Counter	
Particles ≥1.0µ	85	563	Particle/m³	By Farticle Counter	
Particles ≥ 2.5µ	46	523	Particle/m ³	By Farticle Counter	
Particles ≥5.0 µ 8		563	Particle/m ³	By Farticle Counter	
Particles ≥ 10µ 46		663	Particle/m ³	By Particle Counter	

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TEST REPORT

		LICELY AND SECUL	
Sample ID : AA/04/23/352	5 Report No. AA/04/23/3525N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	20/04/2023 to21/04/202
Sample Quantity / Packing	8	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Direction	1000	ative Humidity	Temperature	Duration of Survey 24 h
Parameter	Re	(Max./Min.): +% Result Unit		(Max./Min.): -°C 24	
Chemical Testing; Group:	Atmospheric Pol	lution			
Particles ≥0.3µ		6399	Particle/m³	By Perticle Counter	
Particles ≥0.5 µ	12	3611	Particle/m ³	By Farticle Counter	
Particles ≥1.0µ	8	7147	Particle/m³	13 By Particle Counter	
Particles ≥ 2.5µ		5563	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		778	Particle/m ³	By Particle Counter	
Particles ≥ 10µ	- 4	658	Particle/m ³	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/352	6 Report No. AA/04/23/3526N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	20/04/2023 to21/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	25/04/2023

	Meteorolo	gical Dat	ta / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	ection Relative Humi-		Temperature	Duration of Survey
- km/h	- 4	(1)	dax./Mm.): -%	(Max./Min.): -°C	24 h
Parameter		Result	Unit	Meth	od
Chemical Testing; Group:	Atmospheric P	ollution			
Particles ≥0.3µ		610010	Particle/m³	By Particle Counter	
Particles ≥0.5 µ		134722	Particle/m ¹	By Facticle Counter:	
Particles ≥1.0μ		86030	Particle/m³	3 By Particle Counter	
Particles ≥ 2.5µ		67782	Particle/m³	By Farticle Counter	
Particles ≥5.0 µ		8524	Particle/m ³	By Particle Counter	
Particles ≥ 10µ		5552	Particle/m ³	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/352	7 Report No. AA/04/23/3527N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	24/04/2023 to25/04/202
Sample Quantity / Packing	-	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

Meteorolog	ical Dat	a / Environme	ental Conditions	
Wind Direction	Relative Humidity (Max./Min.): % Result Unit		Temperature (Max./Min.): -90	Duration of Survey 24 h
Re			Method	
Atmospheric Pol	lution			
61	4717	Particle/m ³	By Particle Counter	
14	6322	Particle/m ³	8 By Porticle Counter	
86	5631	Particle/m3	rs 3 By Particle Counter	
34	4778	Particle/m ²	By Particle Counter	
8	132	Particle/m ³	By Particle Counter	
Particles ≥ 10µ 5		Particle/m ³	By Particle Counter	
	Wind Direction Re Atmospheric Pol 61 14 86 34	Wind Direction Rela	Wind Direction Relative Humidity (Max./Min.): -% Result Unit Atmospheric Pollution 614717 Particle/m³ 146322 Particle/m³ 86631 Particle/m³ 34778 Particle/m³ 8132 Particle/m³	Max./Min.): -% (Max./Min.): -% Result Unit Meth Atmospheric Pollution

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TEST REPORT

Sample ID : AA/04/23/352	8 Report No. AA/04/23/3528N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 1 (PNP Port)	Dute - Sampling	24/04/2023 to25/04/202
Sample Quantity / Packing	8	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03:2023	Date - Completion of Analysis	26/04/2023

	Meteorolog	gical Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction		itive Humidity	Temperature	Duration of Survey	
- km/h	-	(M	ax./Min.): -%	(Max./Min.): -°€	24 h	
Parameter	Parameter Re		Unit	Meth	Method	
Chemical Testing; Group:	Atmospheric Po	llution				
Particles ≥0.3µ		20202	Particle/m³	By Particle Counter		
Particles ≥0.5 µ		26630	Particle/m³	By Porticle Counter		
Particles ≥1.0µ	8	35477	Particle/m²	rm# By Porticle Counter		
Particles ≥ 2.5µ	- 4	6131	Particle/m³	By Particle Counter		
Particles ≥5.0 μ		8717	Particle/m³	By Particle Counter		
Particles ≥ 10µ		4663	Particle/m³	By Partide Counter		

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TEST REPORT

Sample ID: AA/04/23/352	9 Report No. AA/04/23/3529N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limits 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	24/04/2023 to25/04/2023
Sample Quantity / Packing	:-	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	on Relative Humidity		Temperature	Duration of Survey
- km/h	-	. (M	ax/Min.): -%	(Max./Min.): -°C	24 h
Parameter	Parameter Re		Unit	Meti	od
Chemical Testing; Group:	Atmospheric Poll	ution			
Particles ≥0.3µ		5828	Particle/m ³	By Particle Capriter	
Particles ≥0.5 µ		1233	Particle/m ³	By Particle Counter	
Particles ≥1.0µ	76	452	Particle/m ³	de/m ³ By Particle Counter	
Particles ≥ 2.5µ 4		521	Particle/m ³	By Ferticle Counter	
Particles ≥5.0 μ 6		178	Particle/m ³	By Perticle Counter	
Particles ≥ 10µ 533		336	Particle/m³	By Farticle Counter	

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TEST REPORT

Sample ID: AA/04/23/353	0 Report No. AA/04/23/3530N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	24/04/2023 to25/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Reli	stive Humidity	Temperature	Duration of Survey
- km/h	4	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Re	esult	Unit	Method	
Chemical Testing; Group	: Atmospheric Pol	lution			
Particles ≥0.3µ		4717	Particle/m ³	By Porticle Counter	
Particles ≥0.5 μ	12	3361	Particle/m ³	By Forticle Counter	
Particles ≥1.0µ	73	3645	Particle/m³	n ³ By Ferticle Counter	
Particles ≥ 2.5µ 56		5663	Particle/m ³	By Fortide Counter	
Particles ≥5.0 μ	8	471	Particle/m³	e/m³ Hy Ferticle Counter	
Particles ≥ 10µ 4		778	Particle/m³	By Particle Counter	

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End of Report

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TEST REPORT

Sample ID: AA/04/23/353	 Report No. AA/04/23/3531N 	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	24/04/2023 to25/04/2023
Sample Quantity / Packing	*	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rela	stive Humidity	Temperature	Duration of Survey
- km/h	12	(M	ax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Res	sult	Unit	Meth	nod
Chemical Testing; Group:	Atmospheric Poll	ution			
Particles ≥0.3µ 614		717	Particle/m ²	By Perticle Counter	
Particles ≥0.5 μ	156	630	Particle/m³	3 By Perticle Counter	
Particles ≥1.0µ	87	877	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	es ≥ 2.5µ 456		Particle/m³	By Farticle Counter	
Particles ≥5.0 μ	81	28	Particle/m³	m ³ By Particle Counter	
Particles ≥ 10µ 4288		88	Particle/m³	By Particle Counter	

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TEST REPORT

Sample ID: AA/04/23/353	2 Report No. AA/04/23/3532N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Date - Sampling	24/04/2023 to25/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

Meteorologic	al Dat	a / Environme	ental Conditions	
Wind Direction	Relative Humidity		Temperature	Duration of Survey 24 h
Result		Unit	Method	
Atmospheric Pollu	tion			
614717		Particle/m ³	Sy Porticle Counter	
123	011	Particle/m³	3 By Proficie Counter	
867	88	Particle/m ³	By Particle Counter	
372	47	Particle/m³	By Particle Counter	
87	99	Particle/m³	3 By Farticle Counter	
48	23	Particle/m³	3 By Farticle Counter	
	Wind Direction Res Atmospheric Pollu 614 123 867 87	Wind Direction Rel. (M Result Atmospheric Pollution		Max./Min.): -90 Max./Min.): -90 Result Unit Meth Meth

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TEST REPORT

	1,715-35-11	Little Carron Co.	
Sample ID : AA/04/23/353	3 Report No. AA/04/23/3533N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	24/04/2023 to25/04/202
Sample Quantity / Packing	*	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	ection Relative Humidity		Temperature	Duration of Survey
- km/h	- 4	(M	lax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Re	sult	Unit	Meth	od
Chemical Testing; Group:	Atmospheric Poll	lution			
Particles ≥0.3µ		1233	Particle/m ³	By Farticle Counter	
Particles ≥0.5 μ	15	4212	Particle/m ³	3 By Particle Counter	
Particles ≥1.0μ	67	7177	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	52	2364	Particle/m³	By Particle Counter	
Particles ≥5.0 µ	2	711	Particle/m ³	n 3 By Particle Counter	
Particles ≥ 10µ	1	426	Particle/m ³	6 By Particle Counter	

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TEST REPORT

		DEBUCK CONTRACTOR	
5ample ID : AA/04/23/353	4 Report No. AA/04/23/3534N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lai Gate (PNP Port)	Dute - Sampling	24/04/2023 to25/04/2023
Sample Quantity / Packing	-	Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

Meteorologi	cal Dat	a / Environme	ental Conditions					
Wind Direction	rection Relative Humidi						Temperature (Max./Min.): -°C	Duration of Survey 24 h
Res	sult	Unit	Method					
Atmospheric Polli	ution							
614	4717	Particle/m ³	By Particle Counter					
123	3663	Particle/m ³	To Porticle Courter					
86	213	Particle/m ³	By Particle Snorter					
Particles ≥ 2.5µ 44471		Particle/m3	By Porticle Counter					
82	236	Particle/m ³	m ³ By Particle Counter					
Particles ≥ 10µ 4578		Particle/m³	By Particle Counter					
	Wind Direction Re Atmospheric Polli 614 86 44 82	Wind Direction Rel. (M Result Atmospheric Pollution 614717 123663 86213 44471 8236	Result Unit	Max./Min.): -%6				

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TEST REPORT

Sample ID : AA/04/23/353	5 Report No. AA/04/23/3535N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	24/04/2023 to25/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	26/04/2023

	Meteorolo	ogical Dat	ta / Environme	ental Conditions			
Average Wind Velocity - km/h	Wind Directio			Temperature (Max./Min.): -°C	Duration of Survey 24 h		
Parameter	Res				-	Method	
Chemical Testing; Group:	Atmospheric P	Pollution	1				
Particles ≥0.3µ	6360		Particle/m³	By Particle Counter			
Particles ≥0.5 µ		136370	Particle/m³	By Porticle Courter			
Particles ≥1.0µ		86533	Particle/m3	m3 - By Hericle Counter			
Particles ≥ 2.5µ 43434		43434	Partide/m³	By Particle Counter			
Particles ≥5.0 µ		8451	Particle/m ³	By Porticle Counter			
Particles ≥ 10µ	Particles ≥ 10µ 4717		Particle/m³	By Particle Courter			

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TEST REPORT

Sample ID : AA/04/23/353	6 Report No. AA/04/23/3536N	Report Date	26/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	d	1 electronic management
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	24/04/2023 to25/04/202
Sample Quantity / Packing		Date - Receipt of Sample	26/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	26/04/2023
Order Reference	As per PO No. PNP/March/YB/Z022-23/001 Dated 31.03.2023	Date - Completion of Analysis	25/04/2023

Meteorologi	cal Dat	a / Environme	ental Conditions	
Wind Direction			Temperature (Max./Min.): -9C	Duration of Survey 24 h
Re			Method	
Atmospheric Poll	ution			
623	3131	Particle/m ³	By Particle Counter	
120	5788	Particle/m ³	m. P. By Porticle Counter	
84	421	Particle/m3	5 By Particle Counter	
66	452	Particle/m³	By Particle Counter	
86	563	Particle/m ³	m ³ By Perticle Counter	
Particles ≥ 10µ 5441		Particle/m ³	By Particle Counter	
	Wind Direction Re Atmospheric Poll 62: 12: 84 66 86	Wind Direction Relation Result Atmospheric Pollution 623131 126788 84421 66452 8663		Max./Min.): -% (Max./Min.): -9C

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TEST REPORT

Sample ID : AA/04/23/360	4 Report No. AA/04/23/3604N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limit 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Main Gate (PNP Port)	Date - Sampling	27/04/2023 to28/04/2023
Sample Quantity / Packing		Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

Meteorologic	cal Data	a / Environme	ental Conditions	
Wind Direction			Temperature	Duration of Survey 24 h
Res				
Atmospheric Pollu	ition			
630	118	Particle/m ³	By Particle Counter	
134	717	Particle/m3	3 By Particle Counter	
814	104	Particle/m³	By Particle Counter	
353	312	Particle/m ³	m.º By Particle Courter	
87	14	Particle/m²	2 By Forticle Counter	
Particles ≥ 10µ 56		Particle/m3	By Forticle Courter	
	Res Atmospheric Pollu 630 134 814 353	Wind Direction Rela	Result Unit	Max./Min.): -% (Max./Min.): -% (Max./Min.): -%

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TEST REPORT

Sample ID: AA/04/23/360	5 Report No. AA/04/23/3605N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 1 (PNP Port)	Date - Sampling	27/64/2023 to28/04/2023
Sample Quantity / Packing	*	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Dute - Completion of Analysis	29/04/2023

	Meteorologi	cal Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rel	ative Humidity	Temperature Dur	Duration of Survey
- km/h		(14	lax./Min.}: -%	(Max./Min.): - "C	24 h
Parameter	Re	sult	Unit	Meth	hod
Chemical Testing; Group:	Atmospheric Poll	ution			
Particles ≥0.3µ	533030		Particle/m ³	By Particle Counter	
Particles ≥0.5 μ	11	2401	Particle/m³	m 8 By Farticle Counter	
Particles ≥1.0µ	77	140	Particle/m ²	By Particle Courter .	
Particles ≥ 2.5µ	46	325	Particle/m ³	By Particle Counter	
Particles ≥5.0 μ	6	714	Particle/m ³	s 3 By Particle Counter	
Particles ≥ 10µ	5-	432	Particle/m ²	n 3 By Particle Counter	

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End of Report

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TEST REPORT

Sample ID: AA/04/23/360	6 Report No. AA/04/23/3606N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	1.000
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 2 (PNP Port)	Date - Sampling	27/04/2023 to28/04/2023
Sample Quantity / Packing	3	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

	Meteorologic	al Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	Rel	ative Humidity	Temperature	Duration of Survey
- km/h	-	(M	lax./Min.): -%	(Max./Min.): -°C	24 h
Parameter	Res	ult	Unit	Method	
Chemical Testing; Group:	Atmospheric Polls	ition			
Particles ≥0.3µ	630	110	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ	115	663	Particle/m³	By Particle Counter	
Particles ≥1.0µ	84:	171	Particle/m ³	By Particle Counter	
Particles ≥ 2.5µ	470	014	Particle/m³	By Particle Counter	
Particles ≥5.0 µ	86	23	Particle/m ³	m.3 By Particle Counter	
Particles ≥ 10µ	47	14	Particle/m³	By Particle Counter	

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TEST REPORT

Sample ID : AA/04/23/360	7 Report No. AA/04/23/3607N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakawi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 3 (PNP Port)	Date - Sampling	27/04/2023 to28/04/2023
Sample Quantity / Packing	25	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

	Meteorol	ogical Da	ta / Environme	ental Conditions			
Average Wind Velocity	Wind Directio	ection Relative Humidity		Temperature	Duration of Survey		
- iom/h		(Max./Min.): -%	(Max./Min.); -°C	24 h		
Parameter	ter Re		Parameter Resu		Unit	Meth	nod
Chemical Testing; Group:	Atmospheric I	Pollution					
Particles ≥0.3µ		623337	Particle/m³	By Particle Counter			
Particles ≥0.5 μ		125050	Particle/m3	By Particle Counter			
Particles ≥1.0µ		76230	Particle/m ²	By Perticle Counter			
Particles ≥ 2.5µ		57144	Particle/m ³	By Particle Counter			
Particles ≥5.0 µ		8333	Particle/m ³	rri ³ By Particle Counter			
Particles ≥ 10µ		4632	Particle/m ³	13 By Porticle Counter			

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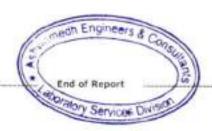
TEST REPORT

Sample ID : AA/04/23/360	8 Report No. AA/04/23/3608N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Jetty No. 5 (PNP Port)	Date - Sampling	27/04/2023 to28/04/2023
Sample Quantity / Packing	*	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Dute - Completion of Analysis	29/04/2023

	Meteorolog	gical Dat	a / Environme	ental Conditions	
Average Wind Velocity - km/h	Wind Direction	elrection Relative Humidity - (Max./Min.): -%		Temperature (Max./Min.): -°C	Duration of Survey 24 h
Parameter	R	tesult	Unit	Meth	od
Chemical Testing; Group:	Atmospheric Po	Illution			
Particles ≥0.3µ		23030	Particle/m ³	By Particle Counter	
Particles ≥0.5 µ	1	41414	Particle/m ³	By Particle Counter	
Particles ≥1.0µ		33012	Partide/m³	By Particle Courner	
Particles ≥ 2.5µ		3471	Particle/m ³	m³ By Perticle Caurter	
Particles ≥5.0 μ	73	8302	Particle/m ³	3 By Perticle Counter	
Particles ≥ 10µ	1) 19	4636	Particle/m ³	3 By Farticle Counter	

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TEST REPORT

Sample ID : AA/04/23/360	9 Report No. AA/04/23/3609N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory.	Sample Description / Type	Particle Size
Sampling Location	Near Weigh Bridge (PNP Port)	Dute - Sampling	27/04/2023 to28/04/2023
Sample Quantity / Packing	.=	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/VB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions	
Average Wind Velocity	Wind Direction	- 3.53	ative Humidity	Temperature	Duration of Survey
- km/h	-	(M	lax./Min.); -%	(Max./Min.): -°C	24 h
Parameter	Re	sult	Unit	Method	
Chemical Testing; Group:	Atmospheric Pol	lution		1.100.000	
Particles ≥0.3µ		2312	Particle/m ³	By Farticle Counter	
Particles ≥0.5 µ	13	3030	Particle/m³	By Forticle Counter	
Particles ≥1.0µ	84	4717	Particle/m ³	By Particle Courter	
Particles ≥ 2.5µ		5011	Particle/m ³	By Particle Counter	
Particles ≥5.0 µ		814	Particle/m³	By Farticle Counter	
Particles ≥ 10µ	- 4	766	Particle/m*	By Pietricle Counter	

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TEST REPORT

		A. S. C. C. A. (13), C. C. L.	
Sample ID : AA/04/23/361	Report No. AA/04/23/3610N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Custom Building (PNP Port)	Date - Sampling	27/04/2023 to28/04/202
Sample Quantity / Packing	*	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

	Meteorolog	ical Dat	a / Environme	ental Conditions		
Average Wind Velocity - km/h	Wind Direction	Relative Humidity (Max./Min.): -%		Temperature (Max./Min.); -°C	Duration of Survey 24 h	
Parameter		Result Unit		Method		
Chemical Testing; Group:	Atmospheric Pol	llution	-			
Particles ≥0.3µ		33020	Particle/m³	By Particle Counter		
Particles ≥0.5 μ		7717	Particle/m³	By Particle Counter		
Particles ≥1.0µ	6	3023	Particle/m ³	/m * By Fertide Courter		
Particles ≥ 2.5µ		3303	Particle/m ³	By Forticle Counter		
Particles ≥5.0 μ		2680	Particle/m³	By Farticle Counter		
Particles ≥ 10µ		728	Particle/m ³	By Particle Courter		

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TEST REPORT

Sample ID : AA/04/23/361	1 Bancet No. 88(04)23(36)(10	Propert Distri	2010412022
Sample 10 : AA(04/23/301		Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near Lai Gate (PNP Port)	Date - Sampling	27/04/2023 to28/04/202
Sample Quantity / Packing	2	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

11971 N. 194 N. 197 - 1981 1994 N. 19	Meteorolog	ical Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction Re		tive Humidity	Temperature	Duration of Survey	
- km/h	-	(M	ax./Min.): -%	(Max./Min.): -°C	24 h	
Parameter		Result Unit		Method		
Chemical Testing; Group:	Atmospheric Pol	lution				
Particles ≥0.3µ		0100	Particle/m ³	By Particle Counter		
Particles ≥0.5 μ		0201	Particle/m³	By Forticle Counter		
Particles ≥1.0µ	8	7014	Particle/m ³	ms 8 By Particle Courter		
Particles ≥ 2.5µ	4:	3020	Particle/m ³	By Particle Counter		
Particles ≥5.0 µ		3714	Particle/m ³	By Farticle Counter		
Particles ≥ 10µ		663	Particle/m ³	By Particle Counter		

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TEST REPORT

Sample ID: AA/04/23/361	2 Report No. AA/04/23/3612N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001, Maharashtra	ed	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Main Gate (PNP Port)	Date - Sampling	27/04/2023 to28/04/2023
Sample Quantity / Packing	×	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order-Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

	Meteorolo	gical Dat	a / Environme	ental Conditions		
Average Wind Velocity - km/h	Wind Direction	rection Relative Humidity (Max./Min.): -%		Temperature (Max./Min.): -°C	Duration of Survey 24 h	
Parameter		Result Unit		Method		
Chemical Testing; Group:	Atmospheric P	ollution				
Particles ≥0.3µ		510100	Particle/m ³	By Particle Counter		
Particles ≥0.5 μ		36370	Particle/m³	By Particle Counter		
Particles ≥1.0µ		84122	Particle/m ³	/m ^a By Particle Counter		
Particles ≥ 2.5µ		47714	Particle/m3	By Porticle Counter		
Particles ≥5.0 µ		8614	Particle/m ³	Sy Perticle Courter		
Particles ≥ 10µ		4892	Particle/m³	By Particle Counter		

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Nobe:

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- 3. In case sampling is not done by laboratory, the results apply to the sample as received.
- 4. There are no additions to, deviations or exclusions from the method.





sales@ashwamedh.net +91-253-2392225

TEST REPORT

		3350.5333	
Sample ID : AA/04/23/361	3 Report No. AA/04/23/3613N	Report Date	29/04/2023
Name and address of Customer	PNP Maritime Services Private Limite 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai - 400001,Maharashtra	d	
Sampling done by	Laboratory	Sample Description / Type	Particle Size
Sampling Location	Near DIL Godown Back Side (PNP Port)	Date - Sampling	27/04/2023 to28/04/202
Sample Quantity / Packing	±.	Date - Receipt of Sample	29/04/2023
Sampling Procedure	By Particle Counter	Date - Start of Analysis	29/04/2023
Order Reference	As per PO No. PNP/March/YB/2022-23/001 Dated 31.03.2023	Date - Completion of Analysis	29/04/2023

	Meteorolog	gical Dat	a / Environme	ental Conditions		
Average Wind Velocity	Wind Direction	Reli	ative Humidity	Temperature	Duration of Survey	
- km/h		(Max./Min.):: -%		(Max./Min.): -°C	24 h	
Parameter	R	esult	Unit	Method		
Chemical Testing; Group	Atmospheric Po	llution				
Particles ≥0.3µ		31201	Particle/m³	By Particle Counter		
Particles ≥0.5 µ	1	30112	Particle/m³	By Farticle Counter		
Particles ≥1.0μ	8	7012	Particle/m³	m * Be Fertide Counter		
Particles ≥ 2.5µ		5421	Particle/m3	By Particle Counter		
Particles ≥5.0 µ		8707	Particle/m ³	By Particle Counter		
Particles ≥ 10µ 5		5784	Particle/m ³	By Particle Counter		
			-			

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