



23/05/2025

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:
October 2024 to March 2025

Project PNP Maritime Services Private Limited.
Construction of minor jetty at Dharamtar 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(i).

Thanking you,
Yours faithfully

For PNP Maritime Services Private Limited.



Project Proponent

- CC copy to:**
1. Regional officer, Maharashtra Pollution Control Board, S.R.O. Raigad I.
 2. Member Secretary, Maharashtra Pollution Control Board, Sion, Mumbai.
 3. 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, Colaba, Mumbai 400 005, India.
Admin. Office: 2nd Floor, Lansdowne House, Mahakavi Bhushan Road, Colaba, Mumbai 400 001.
Tel.: 2288 4536/37/38/39/40 Fax: 2288 4535
Port Office: PNP Port Dharamtar at Shahabai, Dist. Raigad. Tel.: +91-2143-320766.
Website: www.pnpport.com CIN: U63090MH1999PTC121461

**M/S PNP MARITIME SERVICES PRIVATE
LIMITED**

**Environmental Clearance
Compliance Report**

October 2024 to March 2025

“PNP Port”

at

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

**Environmental Clearance Letter No.: 10-70/2016-IA-III Dated
20th August 2020**

CONSULTANT



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

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INDEX

COMPLIANCE STATUS OF EC CONDITIONS4
 Environmental Clearance Letter No.: 10-70/2016-IA-III Dated
 20/08/20204
CONDITIONS OF CONSENT TO ESTABLISH (EXPANSION).....36
 Consent order No: Format1.0/CC/UAN No.0000105351/CE-
 2107000798 Dated on 14/07/202136
Consent Schedule-I.....42
 Terms & Conditions for Compliance of Water Pollution Control
 42
Consent Schedule-II.....46
 Terms & Conditions for Compliance of Air Pollution Control: ..46
Consent Schedule-III.....53
 Details of Bank Guarantees53
 BG Forfeiture History.....53
 BG Return Details53
Consent Schedule-IV54
 General Conditions54
CONDITIONS OF CONSENT TO OPERATE.....66
 Consent order No: Format1.0/CC/UAN No.0000103714/CR-
 2104001333 dated 27/04/202166
Consent Schedule-I.....70
 Terms & Conditions for Compliance of Water Pollution Control
 70
Consent Schedule-II.....74
 Terms & Conditions for Compliance of Air Pollution Control: ..74
Consent Schedule-III.....76
 Details of Bank Guarantees76
 BG Forfeiture History.....76
 BG Return Details76
Consent Schedule-IV77
 General Conditions77

ANNEXURE I89
 Previous Compliance Report Acknowledgement Copy89
ANNEXURE II90
 Site Photographs90
 First Aid Kit.....92
ANNEXURE III93
 Advertisements93
ANNEXURE IV95
 Environmental Clearance Letter95
ANNEXURE V96
 Consent to Establish.....96
ANNEXURE V97
 Consent to Operate97
ANNEXURE VI98
 Environment Monitoring Report98

COMPLIANCE STATUS OF EC CONDITIONS

Environmental Clearance Letter No.: 10-70/2016-IA-III
Dated 20/08/2020

Sr	Condition	Compliance	Anx	P
A	SPECIFIC CONDITION			
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 th 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 has abided by all the commitments and recommendations.		
iii.	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification,	Local and central rules and regulations including those		

Sr	Condition	Compliance	Anx	P
	2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	under CRZ Notification 1991 and its amendments, have been followed during the 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 has complied with all the recommendations and conditions.		
v.	The project proponent shall comply with the air pollution mitigation measures as submitted.	The Air quality is regularly monitored by an accredited MOEF & CC accredited lab. The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u>	√	
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.		

Sr	Condition	Compliance	Anx	P
vii.	No underwater blasting is permitted.	PP complies 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.		
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	The Monitoring report for October 2024 to March	√	

Sr	Condition	Compliance	Anx	P
	<p>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 observed. The details shall be submitted along with the six-monthly monitoring report.</p>	<p>2025 is attached as <u>ANNEXURE.VII</u></p>		
<p>xi.</p>	<p>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</p>	<p>PP complies with the condition.</p>		
<p>xii.</p>	<p>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</p>	<p>Marine ecology will be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.</p>		

Sr	Condition	Compliance	Anx	P
	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.	PP complies with the condition.		
xiv.	The fresh water requirement of 58 KLD shall be met from MIDC water supply scheme.	PP complies 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.	The 7.5 m ³ /day of sewage generated is treated in Sewage Treatment Plant of 10 m ³ /day capacity.		
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	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	<p>monitoring should cover various physio-chemical 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.</p>			
xvii.	<p>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.</p>	<p>Regular monitoring has been carried out by a MoEF-recognized laboratory.</p> <p>The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u></p>	√	
xviii.	<p>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</p>	<p>The material will be stored and used for backfilling and landscape to minimize the major landscape changes.</p>		

Sr	Condition	Compliance	Anx	P
	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.	Suitable preventive measures will be taken to trap spillage of fuel/engine oil and lubricants.		
xx.	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	PP complies with the condition.		
xxi.	Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.	PP has provided all arrangements regarding the General Safety and Occupational Health of workers.		
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	PP has regularly submitted a Half-yearly compliance report.		

Sr	Condition	Compliance	Anx	P
	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.	PP complies 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	The monitoring reports are submitted along with the Six-monthly compliance report.		

Sr	Condition	Compliance	Anx	P
	website of the project proponent.			
1. B	STANDARD CONDITIONS:			
2. 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.	PP complies with the condition.		
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.	PP complies with the condition.		
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	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	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 works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	PP complies with the condition.		
v.	All the recommendations and conditions specified by State Coastal Zone Management Authority for the project shall be complied with.	PP complies with all the recommendations and conditions.		
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 no. BO/MPCB/RO/(H Q)/RD3231-16/CR/B-3912 Dated 19/03/2016 Consent to Establish for expansion vide Consent no. Format	√	

Sr	Condition	Compliance	Anx	P
		1.0/CAC/UAN No. 0000105351/CE-2107000798 Dated 14/07/2021		
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.	Groundwater is not used for any purpose. PP will get permission from the concerned Authority if in the future they withdraw groundwater.		
iii.	All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and groundwater abstraction	PP complies with the condition.		
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.	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
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.	PP complies with the condition.		
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 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	Regular monitoring has been carried out by a MoEF-recognized laboratory. The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u>	√	
ii.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including	Air Pollution Control system will be provided as the site.		

Sr	Condition	Compliance	Anx	P
	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.	PP complies 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 complies with the condition.		
v.	The Vessels shall comply the emission norms prescribed from time to time.	PP complies with the condition.		
vi.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the	PP has provided low Sulphur DG sets with acoustic enclosure.		

Sr	Condition	Compliance	Anx	P
	<p>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.</p>			
vii.	<p>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</p>	<p>PP complies with the condition.</p>		

Sr	Condition	Compliance	Anx	P
	have their consent to the implementation of components of the plan which involve the participation of these departments.			
III	Water quality monitoring and presentation:			
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 complies 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 the proposed expansion.		
iv.	Measures should be taken to contain, control and	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	recover the accidental spills of fuel and cargo handle.			
v.	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.	PP complies 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.	Suitable preventive measures will be taken to trap spillage of fuel/engine oil and lubricants.		
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.	Fresh water consumption is under the permissible limit.		
iii.	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 has provided the Sewage Treatment Plant of a capacity of 50 m ³ / day. Treated water has been used for horticulture, flushing,		

Sr	Condition	Compliance	Anx	P
		backwash, 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.	PP complies with the condition.		
x.	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	PP complies with the condition.		
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.	PP complies with the condition.		
IV	Noise monitoring and prevention:			
i.	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-recognized laboratory. The Monitoring report for October	√	

Sr	Condition	Compliance	Anx	P
		2024 to March 2025 is attached as <u>ANNEXURE.VII</u>		
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 nighttime. Efforts will be taken to reduce noise levels during the 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.	DG sets with acoustic enclosure are provided.		
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 nighttime. Efforts will be taken to reduce noise levels during the construction phase.		

Sr	Condition	Compliance	Anx	P
V	Energy conservation measures:			
i.	Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	PP complies with the condition.		
ii.	Provide LED lights in their offices and residential areas.	PP complies with the condition.		
VI	Waste management:			
i.	Dredged material shall be disposed safely in the designated areas.	Dredged material will be disposed of safely.		
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.	PP complies with the condition.		
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	PP has provided the STP with a capacity of 50 m ³ /day. And Solid waste has been collected and handed over to		

Sr	Condition	Compliance	Anx	P
	Central or State Pollution Control Board and under the Environment (Protection) Act, 1986	an authorized recycler.		
iv.	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Solid waste has been collected and handed over to an authorized recycler.		
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.	All safety precautions have been taken by the PP. The safety nets, safety equipment for the workers, barricading to plot boundary, water spraying at the source of dust (twice a day) and noise pollution mitigation measures are taken.		
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.	PP complies with the condition.		
vii.	Used CFLs and TFLs should be properly collected and	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.			
iii.	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.	PP complies with the condition.		
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.	Topsoil will be stored and will be used for the green belt development.		

Sr	Condition	Compliance	Anx	P
VIII	Marine Ecology:			
i.	Dredging shall not be carried out during the fish breeding and spawning seasons.	PP complies with the condition.		
ii.	Dredging, etc. shall be carried out in the confined manner to reduce the impacts on marine environment.	PP complies 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.	PP complies with the condition.		
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.	The Monitoring reports are attached as <u>ANNEXURE.VII</u>	√	
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	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	<p>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.</p>			
vi.	<p>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.</p>	<p>PP complies with the condition.</p>		
vii.	<p>The project proponent shall ensure that water traffic does not impact the aquatic</p>	<p>PP ensures that water traffic does</p>		

Sr	Condition	Compliance	Anx	P
	wildlife sanctuaries that fall along the stretch of the river.	not impact aquatic wildlife.		
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.	PP has properly maintained Safety and Occupational Health.		
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 visco-elastic gloves will be used by labour exposed to hazards from vibration.	PP has provided all PPE to workers and Health and safety is properly maintained at site.		
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.	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
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.	PP provides Safety training to workers regularly.		
v.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	PP complies with the condition.		
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 complies with the condition.		

Sr	Condition	Compliance	Anx	P
vii.	Occupational health surveillance of the workers shall be done on a regular basis.	PP provides Occupational health surveillance to workers regularly.		
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.	PP complies with the condition.		
ii.	A separate Environmental Cell both at the project and	PP has made provision for		

Sr	Condition	Compliance	Anx	P
	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.	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.	PP complies with the condition.		
iv.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	PP complies with the condition.		
XI	Miscellaneous:			
i.	The project proponent shall make public the	PP has published granted EC in		

Sr	Condition	Compliance	Anx	P
	<p>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.</p>	<p>English Newspaper “Free Press Journal” and Marathi Newspaper “Navshakti” dated 24th August 2020. <u>ANNEXURE III</u></p>	√	
ii.	<p>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.</p>	<p>PP complies with the condition.</p>		
iii.	<p>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.</p>	<p>PP complies with the condition.</p>		

Sr	Condition	Compliance	Anx	P
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.	PP regularly submits a Six-monthly compliance report.		
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	PP regularly submits a Six-monthly compliance report and Form-V for each financial year.		
vi.	The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO ₂ , NO _x (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	PP complies with the condition.		
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	Noted.		

Sr	Condition	Compliance	Anx	P
	by the concerned authorities, commencing the land development work and start of production operation by the project.			
iii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	PP complies with the condition.		
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).	PP complies with the condition.		
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 complies with the condition.		
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	PP complies with the condition.		
xii.	The Ministry reserves the right to stipulate additional conditions if found	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	necessary. The Company in a time bound manner shall implement these conditions.			
iii.	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 complies with the condition.		
iv.	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	PP complies with the condition.		
xv.	Any appeal against this EC shall lie with the National	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	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.	PP complies with the condition.		

CONDITIONS OF CONSENT TO ESTABLISH (EXPANSION)

Consent order No: Format1.0/CC/UAN

No.0000105351/CE-2107000798 Dated on 14/07/2021

Sr	Condition	Compliance	Anx	P												
1.	The Consent to Establish is granted for a period up to commissioning of the unit or up to 5 years whichever is earlier.	PP agrees with the Consent condition.														
2.	The capital investment of the project is Rs. 1061.56 Crs. (As per C.A. certificate submitted by industry Existing CI is Rs. 3.21 Crs + Expansion/Increase in CI Rs. 1058.35 Crs)	C.A. certificate has been submitted to the Board.														
3.	<p>Consent is valid for handling of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr</th> <th style="text-align: center;">Product name</th> <th style="text-align: center;">Maximum Quantity</th> <th style="text-align: center;">UOM</th> </tr> </thead> <tbody> <tr> <td colspan="4">Products</td> </tr> <tr> <td style="text-align: center;">1</td> <td>Jetty: for Cargo handling, Handling of Coal, Sulphur, Bulk Cargo, Break Bulk cargo, Agro commodities, Clinker, Dolomite, Limestone, Pyroxenite, Iron</td> <td style="text-align: center;">14</td> <td style="text-align: center;">MT/A</td> </tr> </tbody> </table>	Sr	Product name	Maximum Quantity	UOM	Products				1	Jetty: for Cargo handling, Handling of Coal, Sulphur, Bulk Cargo, Break Bulk cargo, Agro commodities, Clinker, Dolomite, Limestone, Pyroxenite, Iron	14	MT/A	PP complies with the condition.		
Sr	Product name	Maximum Quantity	UOM													
Products																
1	Jetty: for Cargo handling, Handling of Coal, Sulphur, Bulk Cargo, Break Bulk cargo, Agro commodities, Clinker, Dolomite, Limestone, Pyroxenite, Iron	14	MT/A													

Sr	Condition	Compliance	Anx	P															
	ore Cement, Slag, Rock Phosphate, Bauxite, Steel Coils, Bitumen, Timber, Tiles, Mill Scales, Cotton, Liquid cargo (non-Hazardous) and Port Based Industries etc.																		
4.	Conditions under Water (P&CP), 1974 Act for Discharge of Effluent: <table border="1" data-bbox="300 1003 836 1635"> <thead> <tr> <th data-bbox="300 1003 347 1238">Sr</th> <th data-bbox="347 1003 472 1238">Description</th> <th data-bbox="472 1003 580 1238">Permitted (In CMD)</th> <th data-bbox="580 1003 703 1238">Standards to be achieved</th> <th data-bbox="703 1003 836 1238">Disposal</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1238 347 1400">1.</td> <td data-bbox="347 1238 472 1400">Trade effluent</td> <td data-bbox="472 1238 580 1400">0</td> <td data-bbox="580 1238 703 1400">As per Schedule-I</td> <td data-bbox="703 1238 836 1400">Not Applicable</td> </tr> <tr> <td data-bbox="300 1400 347 1635">2.</td> <td data-bbox="347 1400 472 1635">Domestic effluent</td> <td data-bbox="472 1400 580 1635">31</td> <td data-bbox="580 1400 703 1635">As per Schedule-I</td> <td data-bbox="703 1400 836 1635">On land for gardening</td> </tr> </tbody> </table>	Sr	Description	Permitted (In CMD)	Standards to be achieved	Disposal	1.	Trade effluent	0	As per Schedule-I	Not Applicable	2.	Domestic effluent	31	As per Schedule-I	On land for gardening	The 7.5 m ³ /day of sewage generated is treated in Sewage Treatment Plant of 10 m ³ /day capacity.		
Sr	Description	Permitted (In CMD)	Standards to be achieved	Disposal															
1.	Trade effluent	0	As per Schedule-I	Not Applicable															
2.	Domestic effluent	31	As per Schedule-I	On land for gardening															
5.	Conditions under Air (P & CP) Act, 1981 for air emissions: <table border="1" data-bbox="300 1816 836 2016"> <thead> <tr> <th data-bbox="300 1816 347 2016">Sr</th> <th data-bbox="347 1816 427 2016">Stack No.</th> <th data-bbox="427 1816 603 2016">Description of Stack/source</th> <th data-bbox="603 1816 703 2016">Number of</th> <th data-bbox="703 1816 836 2016">Standard to be</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Sr	Stack No.	Description of Stack/source	Number of	Standard to be						Monitoring of DG sets will be conducted from a MoEF-recognized laboratory and parameters will be maintained within the prescribed	√						
Sr	Stack No.	Description of Stack/source	Number of	Standard to be															

Sr	Condition					Compliance	Anx	P				
				Stack	achieved	limits. Reports are attached as <u>ANNEXURE.VII</u>						
1	S-1	DG set [80 kVA]		1	As per Schedule-II							
2	S-2	DG set [500 kVA]		1	As per Schedule-II							
3	S-3	DG set [160 kVA]		1	As per Schedule-II							
4	S-4	DG set [30 kVA]		1	As per Schedule-II							
5	S-5	DG set [2000 kVA]		1	As per Schedule-II							
6.	Non-Hazardous waste:					Biodegradable waste will be used as manure in the garden. Non-biodegradable waste will be segregated and sold to an authorized vendor.						
	Sr	Type of Waste	Quantity	Unit	Treatment				Disposal			
1	Biodegradable waste	89	Kg /day		Composting				Used as manure			
2	Non-Biodegradable waste	59	Kg /day		Sale	Sale to authorized party						

Sr	Condition	Compliance	Anx	P												
7.	<p>Conditions under Hazardous and other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste.</p> <table border="1" data-bbox="300 539 842 1272"> <thead> <tr> <th data-bbox="300 539 339 813">Sr</th> <th data-bbox="339 539 416 813">Category No./Type</th> <th data-bbox="416 539 488 813">Quantity</th> <th data-bbox="488 539 564 813">UOM</th> <th data-bbox="564 539 692 813">Treatment</th> <th data-bbox="692 539 842 813">Disposal</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 813 339 1272">1</td> <td data-bbox="339 813 416 1272">5.2 Wastes or residues containing oil</td> <td data-bbox="416 813 488 1272">0</td> <td data-bbox="488 813 564 1272">MT/A</td> <td data-bbox="564 813 692 1272">Sale to authorized preprocessor/CHW TSDf</td> <td data-bbox="692 813 842 1272">Sale to authorized preprocessor/CHWTSDF</td> </tr> </tbody> </table>	Sr	Category No./Type	Quantity	UOM	Treatment	Disposal	1	5.2 Wastes or residues containing oil	0	MT/A	Sale to authorized preprocessor/CHW TSDf	Sale to authorized preprocessor/CHWTSDF	Used oil will be handed over to authorized preprocessor.		
Sr	Category No./Type	Quantity	UOM	Treatment	Disposal											
1	5.2 Wastes or residues containing oil	0	MT/A	Sale to authorized preprocessor/CHW TSDf	Sale to authorized preprocessor/CHWTSDF											
8.	The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.	PP agrees with the Board's conditions.														
9.	This consent should not be constructed as exemption from obtained necessary NOC/permission from any other Government agencies.	PP has obtained the required NOCs and permissions.														
10.	This consent is issued pursuant to the decision of the 23 rd Consent Appraisal	PP complies with the condition.														

Sr	Condition	Compliance	Anx	P
	committee Meeting held on 17.03.2021.			
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 EC conditions.		
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 EC conditions.		
13.	The applicant shall submit Environmental Management Plan in the Board.	PP has submitted EMP.		
14.	PP shall comply with conditions stipulated in EC and C to E and submit BG of Rs. 25 Lakhs towards compliance of the same.	PP has submitted a Bank Guarantee.		
15.	The waste generated due to proposed activity should not be disposed of in CRZ area,	Waste generated will be handed over to an authorized recycler.		
16.	No chemical products should be stored in the CRZ area except those permissible as per annexure of the CRZ Notification -	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	2011 and Amendments in thereto			
17.	The applicant shall prepare disaster management plan and shall be updated time to time	PP has prepared Disaster Management Plan.		
18.	The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual Commencement of the Unit/ Activity. (Establish)	PP has obtained Consent to Operate.		

CONSENT SCHEDULE-I

Terms & Conditions for Compliance of Water Pollution Control

Sr	Condition	Compliance	Anx	P																				
1.	A] Generation- As per your application the treated effluent generation is Nil. B] Treatment- NA C] Disposal- NA	Not Applicable																						
2.	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 application shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.	Standard parameters have been achieved.																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr</th> <th style="text-align: center;">Param eters</th> <th style="text-align: center;">Standards</th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">pH</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">5.5-9.0</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">BOD</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">COD</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">50</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">TSS</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">20</td> </tr> </tbody> </table>					Sr	Param eters	Standards		1	pH	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
Sr	Param eters	Standards																						
1	pH	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																					

Sr	Condition				Compliance	Anx	P
	5	NH4 N	Not to exceed	5			
	6	N-total	Not to exceed	10			
	7	Fecal Coliform	Not to exceed	Less than 100			
	<p>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.</p>						
3.	<p>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</p>				<p>PP will not do change or alter without prior Environmental Clearance and Boards permission.</p>		

Sr	Condition	Compliance	Anx	P									
	extension or addition thereto.												
4.	The industry shall ensure replacement of pollution control system or its part after expiry of its expected life as defined by manufacture so as to ensure the compliance of the standards and safety of the operation thereof.	PP will replace the pollution control system or its part before the expiry of its expected life											
5.	<p>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:</p> <table border="1" data-bbox="300 1464 839 2022"> <thead> <tr> <th data-bbox="300 1464 360 1677">Sr</th> <th data-bbox="360 1464 588 1677">Purpose for water consumed</th> <th data-bbox="588 1464 839 1677">Water consumption quantity (CMD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1677 360 1924">1</td> <td data-bbox="360 1677 588 1924">Industrial Cooling, spraying in mine pits or boiler feed</td> <td data-bbox="588 1677 839 1924">40.00</td> </tr> <tr> <td data-bbox="300 1924 360 2022">2</td> <td data-bbox="360 1924 588 2022">Domestic</td> <td data-bbox="588 1924 839 2022">33.00</td> </tr> </tbody> </table>	Sr	Purpose for water consumed	Water consumption quantity (CMD)	1	Industrial Cooling, spraying in mine pits or boiler feed	40.00	2	Domestic	33.00	Water consumption is under permissible limit.		
Sr	Purpose for water consumed	Water consumption quantity (CMD)											
1	Industrial Cooling, spraying in mine pits or boiler feed	40.00											
2	Domestic	33.00											

Sr	Condition	Compliance	Anx	P												
	<table border="1"> <tr> <td data-bbox="295 280 359 369">.</td> <td data-bbox="359 280 590 369">purpose</td> <td data-bbox="590 280 841 369"></td> </tr> <tr> <td data-bbox="295 369 359 728">3</td> <td data-bbox="359 369 590 728">Processing whereby water gets polluted & pollutants are easily biodegradable</td> <td data-bbox="590 369 841 728">0.00</td> </tr> <tr> <td data-bbox="295 728 359 1160">4</td> <td data-bbox="359 728 590 1160">Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic</td> <td data-bbox="590 728 841 1160">0.00</td> </tr> <tr> <td data-bbox="295 1160 359 1305">5</td> <td data-bbox="359 1160 590 1305">Gardening</td> <td data-bbox="590 1160 841 1305">0</td> </tr> </table>	.	purpose		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	0			
.	purpose															
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	0														
6.	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.	PP has been provided Specific Air Pollution control equipment's as per the conditions of EP Act, 1986.														

CONSENT SCHEDULE-II

Terms & Conditions for Compliance of Air Pollution Control:

Sr	Condition	Compliance	Anx	P																																
1.	<p>As per your application, you have proposed to provide the Air Pollution Control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Stack No.</th> <th style="text-align: center;">Stack Attached To</th> <th style="text-align: center;">APC System</th> <th style="text-align: center;">Height in Mtrs.</th> <th style="text-align: center;">Type of Fuel</th> <th style="text-align: center;">S %</th> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Standard</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">S-1</td> <td style="text-align: center;">DG set [80 kVA]</td> <td style="text-align: center;">Acoustic Enclosure</td> <td style="text-align: center;">3.0</td> <td style="text-align: center;">Diesel</td> <td style="text-align: center;">1</td> <td style="text-align: center;">SO₂</td> <td style="text-align: center;">3.0 Kg/day</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">Other</td> <td style="text-align: center;">-</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">Other</td> <td style="text-align: center;">-</td> </tr> </tbody> </table>	Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	S %	Pollutant	Standard	S-1	DG set [80 kVA]	Acoustic Enclosure	3.0	Diesel	1	SO ₂	3.0 Kg/day							Other	-							Other	-	<p>PP has been provided Specific Air Pollution control equipment's as per the conditions of EP Act, 1986.</p>		
Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	S %	Pollutant	Standard																													
S-1	DG set [80 kVA]	Acoustic Enclosure	3.0	Diesel	1	SO ₂	3.0 Kg/day																													
						Other	-																													
						Other	-																													

Environmental Clearance Compliance Report (October 2024 to March 2025)

Sr	Condition							Compliance	Anx	P
S-2	DG set [500 kVA]	Acoustic Enclosure	5.0	Diesel	1	S	19.99 Kg/day Other - Other -			
S-3	DG set [160 kVA]	Acoustic Enclosure	3.0	Diesel	1	S	6.0 Kg/day Other - Other -			

Environmental Clearance Compliance Report (October 2024 to March 2025)

Sr	Condition						Compliance	Anx	P
						r			
S-4	DG set [30 kVA]	Acoustic Enclosure	3.0	Diesel	1	S O 2	1.0 Kg/day		
				12.08 Kg / HR		O t h e r	-		
						O t h e r	-		
S-5	DG set [2000 kVA]	Acoustic Enclosure	5.0	Diesel	1	S O 2	192 Kg/day		
				1400 Kg / HR		O t h e r	-		
						O t h	-		

Sr	Condition	Compliance	Anx	P
	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.	PP complies with the condition.		
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 complies with the condition.		
8.	PP shall implement Traffic Management plan and recommendations as per the PNP Port Expansion Traffic Impact Study of October 2018	PP complies with the condition.		
9.	The PP shall ensure that fugitive emission from the	PP will maintain clean and safe		

Sr	Condition	Compliance	Anx	P
	activity are control so as to maintain clean and safe environment in and around the port premises.	environment around the port premises.		
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 complies with the condition.		
11.	PP shall implement Traffic Management Study Report of October 2018.	PP complies with the condition.		
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	All precautionary measures will be taken to mitigate dust and pollution.		

Sr	Condition	Compliance	Anx	P
	<p>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.</p>			
13.	<p>PP 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</p>	<p>PP complies with the condition.</p>		

CONSENT SCHEDULE-III

Details of Bank Guarantees

Sr	Consent (C2E/C2O)/C2R)	Amt of BG imposed	Submission on period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 25 lakhs	15 days	Towards compliance of Environment clearance and Consent to Establish conditions	Continuous	30/04/2026

**The above Bank Guarantee (s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

**The Bank Guarantee (s) shall be valid for a period up to: Validity of consent + 4 month.

BG Forfeiture History

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

BG Return Details

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

CONSENT SCHEDULE-IV

General Conditions

Sr	Condition	Compliance	Anx	P
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 different industrial applications within the plant	Rainwater harvesting system has been provided		
3.	Conditions for D.G. Set:			
	<p>a) Noise from the D.G. set should be controlled by providing an acoustic enclosure or by treating the room acoustically.</p> <p>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</p>	<p>Acoustic enclosures have been provided to the D.G Sets.</p> <p>D.G Sets installed are strictly in compliance with recommendations of D.G Set manufacturer</p> <p>DG Set will be operated only in case of power failure.</p>		

Sr	Condition	Compliance	Anx	P
	<p>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.</p> <p>c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.</p> <p>d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.</p> <p>e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer</p> <p>f) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation</p>			

Sr	Condition	Compliance	Anx	P
	<p>with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.</p> <p>g) D.G. Set shall be operated only in case of power failure.</p> <p>h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.</p> <p>i) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.</p>			
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 scientifically so as not to cause any nuisance/ pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.	PP has managed non-hazardous waste.		

Sr	Condition	Compliance	Anx	P
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 equipment 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.	PP will not change or alter the quantity, the rate of discharge of Effluent and emission.		
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.	PP will maintain clean and safe environment in and around the factory premises.		
8.	The industry shall submit quarterly statement in respect of industries obligations towards consent and pollution control compliance duly supported with documentary evidences (format can be downloaded from MPCB official site)	PP complies with the condition.		
9.	The industry shall submit official e-mail address and any change will be duly informed to MPCB.	An official e-mail address has been submitted to the Board.		
10.	The industry shall achieve the National Ambient Air	Regular monitoring has been carried		

Sr	Condition	Compliance	Anx	P
	<p>Quality Standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated 18.11.2009 as amended.</p>	<p>out by a MoEF-recognized laboratory. The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u></p>	√	
11.	<p>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.</p>	<p>PP agrees with the Board's conditions.</p>		
12.	<p>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.</p>	<p>PP will replace the pollution control system or its parts before the expiry of its expected life.</p>		

Sr	Condition	Compliance	Anx	P
13.	The PP shall provide personal protection equipment as per norms of the Factory Act	PP provides PPE to all workers at the site.		
14.	Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.	Regular monitoring has been carried out by a MoEF-recognized laboratory. The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u>	√	
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.	PP complies with the condition.		
16.	The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain	D.G. set has been provided on the site for backup in case of power failure.		

Sr	Condition	Compliance	Anx	P
	compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, 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 landfilling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.	PP complies with the condition.		
18.	An inspection book shall be opened and made available to the Board’s officers during their visit to the applicant.	The 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	PP complies with the Water (P&PC) Act, 1974, Air (P&CP) Act 1981 and Environmental Protection Act, 1986 and industry		

Sr	Condition	Compliance	Anx	P
	are available on MPCB website (www.mpcb.gov.in).	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.	A 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 stormwater are not allowed to mix with the effluent.		
22.	The industry should not cause any nuisance in surrounding area.	The industry will not cause any nuisance in the 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 standard in respect of noise to less than 75 db(A) during day	The ambient noise levels will be monitored. Construction activities will not be carried out during the night-time. Efforts will be		

Sr	Condition	Compliance	Anx	P
	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.	taken to reduce noise levels during the 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.	PP complies with the condition.		
26.	The industry should comply with the Hazardous and Other Wastes (M&TM) Rules, 2016 and submit the Annual Returns as per Rule	Form IV is regularly submitted by 30 th June of every year.		

Sr	Condition	Compliance	Anx	P
	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.			
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 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	PP complies with the Board's conditions.		

Sr	Condition	Compliance	Anx	P
	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 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) 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.	PP has obtained the required NOCs and permissions.		
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).	PP complies with the Board's conditions.		

Sr	Condition	Compliance	Anx	P
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.	Facility for sample collection has been provided.		

CONDITIONS OF CONSENT TO OPERATE

Consent order No: Format1.0/CC/UAN

No.0000103714/CR-2104001333 dated 27/04/2021

Sr	Condition	Compliance	Anx	P												
1.	The consent to renewal is granted for a period up to 31/12/2025.	PP agrees with the condition.														
2.	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 CI Rs. 70.45 Crs)	C.A. certificate has been submitted to the Board.														
3.	<p>Consent is valid for handling of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr</th> <th style="text-align: center;">Product name</th> <th style="text-align: center;">Maximum Quantity</th> <th style="text-align: center;">UOM</th> </tr> </thead> <tbody> <tr> <td colspan="4">Products</td> </tr> <tr> <td style="text-align: center;">1</td> <td>Jetty: for Cargo handling, Handling of Coal, Sulphur, Rock Phosphate, Iron Ore, Bauxite and Edible Oil Cargo</td> <td style="text-align: center;">5</td> <td style="text-align: center;">MT/A</td> </tr> </tbody> </table> <p>The Consent is valid for the operation of Jetty (100 Mtrs, North Side of the Nallah (North of Khochi) Dharamtar Creek.</p>	Sr	Product name	Maximum Quantity	UOM	Products				1	Jetty: for Cargo handling, Handling of Coal, Sulphur, Rock Phosphate, Iron Ore, Bauxite and Edible Oil Cargo	5	MT/A	PP complies with the condition.		
Sr	Product name	Maximum Quantity	UOM													
Products																
1	Jetty: for Cargo handling, Handling of Coal, Sulphur, Rock Phosphate, Iron Ore, Bauxite and Edible Oil Cargo	5	MT/A													
4.	Conditions under Water (P&CP), 1974 Act for Discharge of	The 7.5 m ³ /day of sewage generated is														

Sr	Condition					Compliance	Anx	P															
	Effluent: <table border="1" data-bbox="300 331 836 918"> <thead> <tr> <th data-bbox="300 331 347 562">Sr</th> <th data-bbox="347 331 472 562">Description</th> <th data-bbox="472 331 584 562">Permitted (In CMD)</th> <th data-bbox="584 331 703 562">Standards to be achieved</th> <th data-bbox="703 331 836 562">Disposal</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 562 347 712">1.</td> <td data-bbox="347 562 472 712">Trade effluent</td> <td data-bbox="472 562 584 712">0</td> <td data-bbox="584 562 703 712">As per Schedule-I</td> <td data-bbox="703 562 836 712">Not Applicable</td> </tr> <tr> <td data-bbox="300 712 347 918">2.</td> <td data-bbox="347 712 472 918">Domestic effluent</td> <td data-bbox="472 712 584 918">7.5</td> <td data-bbox="584 712 703 918">As per Schedule-I</td> <td data-bbox="703 712 836 918">On land for gardening</td> </tr> </tbody> </table>					Sr	Description	Permitted (In CMD)	Standards to be achieved	Disposal	1.	Trade effluent	0	As per Schedule-I	Not Applicable	2.	Domestic effluent	7.5	As per Schedule-I	On land for gardening	treated in Sewage Treatment Plant of 10 m ³ /day capacity.		
Sr	Description	Permitted (In CMD)	Standards to be achieved	Disposal																			
1.	Trade effluent	0	As per Schedule-I	Not Applicable																			
2.	Domestic effluent	7.5	As per Schedule-I	On land for gardening																			
5.	Conditions under Air (P & CP) Act, 1981 for air emissions: <table border="1" data-bbox="300 1093 836 1485"> <thead> <tr> <th data-bbox="300 1093 347 1323">Sr</th> <th data-bbox="347 1093 472 1323">Stack No.</th> <th data-bbox="472 1093 619 1323">Description of Stack/source</th> <th data-bbox="619 1093 703 1323">Number of Stack</th> <th data-bbox="703 1093 836 1323">Standard to be achieved</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1323 347 1485">1</td> <td data-bbox="347 1323 472 1485">Not Applicable</td> <td data-bbox="472 1323 619 1485">Not Applicable</td> <td data-bbox="619 1323 703 1485"></td> <td data-bbox="703 1323 836 1485">As per Schedule-II</td> </tr> </tbody> </table>					Sr	Stack No.	Description of Stack/source	Number of Stack	Standard to be achieved	1	Not Applicable	Not Applicable		As per Schedule-II	Not applicable.							
Sr	Stack No.	Description of Stack/source	Number of Stack	Standard to be achieved																			
1	Not Applicable	Not Applicable		As per Schedule-II																			
6.	Non-Hazardous waste: <table border="1" data-bbox="300 1574 836 1966"> <thead> <tr> <th data-bbox="300 1574 347 1771">Sr</th> <th data-bbox="347 1574 432 1771">Type of Waste</th> <th data-bbox="432 1574 539 1771">Quantity</th> <th data-bbox="539 1574 608 1771">UoM</th> <th data-bbox="608 1574 730 1771">Treatment</th> <th data-bbox="730 1574 836 1771">Disposal</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1771 347 1966">1</td> <td data-bbox="347 1771 432 1966">Not Applicable</td> <td data-bbox="432 1771 539 1966">0</td> <td data-bbox="539 1771 608 1966">- NA -</td> <td data-bbox="608 1771 730 1966">Not Applicable</td> <td data-bbox="730 1771 836 1966">Not Applicable</td> </tr> </tbody> </table>					Sr	Type of Waste	Quantity	UoM	Treatment	Disposal	1	Not Applicable	0	- NA -	Not Applicable	Not Applicable	Not applicable.					
Sr	Type of Waste	Quantity	UoM	Treatment	Disposal																		
1	Not Applicable	0	- NA -	Not Applicable	Not Applicable																		

Sr	Condition	Compliance	Anx	P												
7.	<p>Conditions under Hazardous and other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste.</p> <table border="1" data-bbox="300 528 842 1294"> <thead> <tr> <th data-bbox="300 528 336 801">S</th> <th data-bbox="336 528 416 801">C a t e g o r y N o. /T y p e</th> <th data-bbox="416 528 488 801">Q u a n t i t y</th> <th data-bbox="488 528 568 801">U O M</th> <th data-bbox="568 528 687 801">T r e a t m e n t</th> <th data-bbox="687 528 842 801">D i s p o s a l</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 801 336 1294">1</td> <td data-bbox="336 801 416 1294">5.2 W a s t e s o r r e s i d u e s c o n t a i n i n g o i l</td> <td data-bbox="416 801 488 1294">50 0</td> <td data-bbox="488 801 568 1294">M T / A</td> <td data-bbox="568 801 687 1294">S a l e t o a u t h o r i z e d p r e p r o c e s s o r / C H W T S D F</td> <td data-bbox="687 801 842 1294">S a l e t o a u t h o r i z e d p r e p r o c e s s o r / C H W T S D F</td> </tr> </tbody> </table>	S	C a t e g o r y N o. /T y p e	Q u a n t i t y	U O M	T r e a t m e n t	D i s p o s a l	1	5.2 W a s t e s o r r e s i d u e s c o n t a i n i n g o i l	50 0	M T / A	S a l e t o a u t h o r i z e d p r e p r o c e s s o r / C H W T S D F	S a l e t o a u t h o r i z e d p r e p r o c e s s o r / C H W T S D F	Used oil will be handed over to authorized pre-processor		
S	C a t e g o r y N o. /T y p e	Q u a n t i t y	U O M	T r e a t m e n t	D i s p o s a l											
1	5.2 W a s t e s o r r e s i d u e s c o n t a i n i n g o i l	50 0	M T / A	S a l e t o a u t h o r i z e d p r e p r o c e s s o r / C H W T S D F	S a l e t o a u t h o r i z e d p r e p r o c e s s o r / C H W T S D F											
8.	The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.	PP complies with the Board's conditions.														
9.	This consent should not be constructed as exemption from obtained necessary NOC/permission from any other Government agencies.	PP has obtained the required NOCs and permissions.														
10.	The applicant shall make an application for renewal of consent 60 days prior to	PP will apply for the renewal of consent before 60 days of expiry.														

Sr	Condition	Compliance	Anx	P
	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-160011/38/2001-A-III dt. 06/10/2003	The conditions given in the CRZ clearance dated 06/10/2003 will be complied with.		
12.	The applicant shall 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	The conditions given in the Environmental Clearance & CRZ Clearance dated 20/08/2020 will be complied with.		
13.	Industry shall submit Bank Guarantee of Rs. 5 Lakhs towards compliance of Consent conditions & Conditions stipulated in Environmental Clearance & CRZ clearance.	The bank guarantee has been submitted to the MPCB		

CONSENT SCHEDULE-I

Terms & Conditions for Compliance of Water Pollution Control

Sr	Condition	Compliance	Anx	P																				
1.	<p>A] Generation- As per your application the treated effluent generation is Nil.</p> <p>B] Treatment- NA</p> <p>C] Disposal- NA</p>	Not Applicable																						
2.	<p>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.</p> <p>B] The application shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr</th> <th style="text-align: center;">Parameters</th> <th style="text-align: center;">Standards</th> <th style="text-align: center;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">pH</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">5.5-9.0</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">BOD</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">COD</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">50</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">TSS</td> <td style="text-align: center;">Not to exceed</td> <td style="text-align: center;">20</td> </tr> </tbody> </table>	Sr	Parameters	Standards		1	pH	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	<p>The 7.5 m³/day of sewage generated will be treated in Sewage Treatment Plant of 10 m³/day capacity.</p> <p>PP achieves standards limits.</p>		
Sr	Parameters	Standards																						
1	pH	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																					

Sr	Condition				Compliance	Anx	P
	5	NH ₄ N	Not to exceed	5			
	6	N-total	Not to exceed	10			
	7	Fecal Coliform	Not to exceed	Less than 100			
	<p>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.</p>						
3.	<p>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</p>				PP agrees with the Board's conditions.		

Sr	Condition	Compliance	Anx	P												
	extension or addition thereto.															
4.	The industry shall ensure replacement of pollution control system or its part after expiry of its expected life as defined by manufacture so as to ensure the compliance of the standards and safety of the operation thereof.	PP will replace pollution control system or its part before expiry of its expected life														
5.	<p>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:</p> <table border="1" data-bbox="300 1232 836 2020"> <thead> <tr> <th data-bbox="300 1232 347 1442">Sr</th> <th data-bbox="347 1232 592 1442">Purpose for water consumed</th> <th data-bbox="592 1232 836 1442">Water consumption quantity (CMD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1442 347 1688">1</td> <td data-bbox="347 1442 592 1688">Industrial Cooling, spraying in mine pits or boiler feed</td> <td data-bbox="592 1442 836 1688">10.00</td> </tr> <tr> <td data-bbox="300 1688 347 1823">2</td> <td data-bbox="347 1688 592 1823">Domestic purpose</td> <td data-bbox="592 1688 836 1823">10.00</td> </tr> <tr> <td data-bbox="300 1823 347 2020">3</td> <td data-bbox="347 1823 592 2020">Processing whereby water gets polluted &</td> <td data-bbox="592 1823 836 2020">0.00</td> </tr> </tbody> </table>	Sr	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 &	0.00	Water consumption is under the permissible limit.		
Sr	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 &	0.00														

Sr	Condition	Compliance	Anx	P									
	<table border="1"> <tr> <td data-bbox="292 277 347 483"></td> <td data-bbox="347 277 592 483">pollutants are easily biodegradable</td> <td data-bbox="592 277 839 483"></td> </tr> <tr> <td data-bbox="292 483 347 880">4</td> <td data-bbox="347 483 592 880">Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic</td> <td data-bbox="592 483 839 880">0.00</td> </tr> <tr> <td data-bbox="292 880 347 983">5</td> <td data-bbox="347 880 592 983">Gardening</td> <td data-bbox="592 880 839 983">0</td> </tr> </table>		pollutants are easily biodegradable		4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00	5	Gardening	0			
	pollutants are easily biodegradable												
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00											
5	Gardening	0											
6.	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.	PP has been provided Specific Water Pollution control system as per the conditions of EP Act, 1986											

CONSENT SCHEDULE-II

Terms & Conditions for Compliance of Air Pollution Control:

Sr	Condition	Compliance	Anx	P																
1.	<p>As per your application, you have proposed to provide the Air Pollution Control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Stack No.</th> <th style="text-align: center;">Stack Attached To</th> <th style="text-align: center;">APC System</th> <th style="text-align: center;">Height in Mtrs.</th> <th style="text-align: center;">Type of Fuel</th> <th style="text-align: center;">Quantity</th> <th style="text-align: center;">S %</th> <th style="text-align: center;">S O₂</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Not Applicable</td> <td style="text-align: center;">--</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </tbody> </table>	Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity	S %	S O ₂	Not Applicable	--	-	-	Not applicable.						
Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity	S %	S O ₂													
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	--	-	-													
2.	The Applicant shall provide Specific Air Pollution control equipment's as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/CREP guidelines.	PP has provided Specific Air Pollution control equipment's as per the conditions of EP Act, 1986.																		
3.	The applicant shall operate and maintain above mentioned air pollution	PP complies with the condition.																		

Sr	Condition	Compliance	Anx	P						
	<p>control system, so as to achieve the level of pollutants to the following standards:</p> <table border="1" data-bbox="300 479 837 748"> <thead> <tr> <th data-bbox="300 479 531 577">Parameters</th> <th colspan="2" data-bbox="531 479 837 577">Standards</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 577 531 748">Total Particulate Matter</td> <td data-bbox="531 577 683 748">Not to exceed</td> <td data-bbox="683 577 837 748">150 mg/Nm³</td> </tr> </tbody> </table>	Parameters	Standards		Total Particulate Matter	Not to exceed	150 mg/Nm ³			
Parameters	Standards									
Total Particulate Matter	Not to exceed	150 mg/Nm ³								
4.	<p>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.</p>	<p>PP will obtain the required NOCs and permissions before providing additional pollution control Equipments.</p>								
5.	<p>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)</p>	<p>PP complies with the Board's conditions.</p>								

CONSENT SCHEDULE-III

Details of Bank Guarantees

Sr	Consent (C2E/C2O)/C2R)	Amt of BG imposed	Submission on period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 5 lakhs	15 days	Towards compliance of Environment clearance and Consent to Establish conditions	31/12/2025	30/04/2026

**The above Bank Guarantee (s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

**The Bank Guarantee (s) shall be valid for a period up to: Validity of consent + 4 month.

BG Forfeiture History

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

BG Return Details

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

CONSENT SCHEDULE-IV

General Conditions

Sr	Condition	Compliance	Anx	P
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 different industrial applications within the plant.	Rainwater harvesting system has been provided.		
3.	Conditions for D.G. Set:			

Sr	Condition	Compliance	Anx	P
	<p>a) Noise from the D.G Set Should be controlled by providing an acoustic enclosure or by treating the room acoustically.</p> <p>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.</p> <p>c) Industry should make efforts to bring down noise level due to D.G set, outside industrial premises, within ambient noise requirement by proper siting and control measures.</p> <p>d) Installation of D.G Set must be strictly in compliance with</p>	<p>D.G Sets with Acoustic enclosure have been provided.</p> <p>D.G Sets installed are strictly in compliance with recommendations of D.G Set manufacturer</p> <p>DG Set will be operated only in case of power failure.</p>		

Sr	Condition	Compliance	Anx	P
	<p>recommendations of D.G Set manufacturer.</p> <p>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.</p> <p>f) DG Set shall be operated only in case of power failure.</p> <p>g) The application should not cause any nuisance in the surrounding area due to operation of D.G Set.</p> <p>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.</p>			
4.	The applicant shall maintain good housekeeping.	Proper housekeeping practices are followed.		

Sr	Condition	Compliance	Anx	P
5.	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.	PP will maintain clean and safe environment in and around the factory premises.		
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 equipment 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.	PP will not change or alter the quantity of effluent/emission.		
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.	PP will maintain clean and safe environment in and around the factory premises.		
8.	The industry shall submit quarterly statement in respect of industries obligations towards consent and pollution control compliance duly supported	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	with documentary evidences (format can be downloaded from MPCB official site)			
9.	The industry shall submit official e-mail address and any change will be duly informed to MPCB.	PP has submitted official e-mail address to board.		
10.	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.	Regular monitoring has been carried out by a MoEF-recognized laboratory. The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u>	√	
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.	PP agrees with the Board's conditions.		

Sr	Condition	Compliance	Anx	P
12.	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.	PP will replace the pollution control system or its parts before the expiry of its expected life		
13.	The PP shall provide personal protection equipment as per norms of the Factory Act	PP provides PPE to all workers at the site.		
14.	Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.	Regular monitoring has been carried out by a MoEF-recognized laboratory. The Monitoring report for October 2024 to March 2025 is attached as <u>ANNEXURE.VII</u>	√	
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	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	failure of pollution control equipment, 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, consent	D.G. set of 500 kVA has been provided on the site for backup 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.	PP complies with the condition.		
18.	An inspection book shall be opened and made available to the Board's officers	The inspection book will be made available to the Board's officer		

Sr	Condition	Compliance	Anx	P
	during their visit to the applicant.	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 complies with the 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.	A 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 stormwater are not allowed to mix with the effluent.		
22.	The industry should not cause any nuisance in surrounding area.	The industry will not cause any		

Sr	Condition	Compliance	Anx	P
		nuisance in the 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 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.	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 the 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	PP complies with the condition.		

Sr	Condition	Compliance	Anx	P
	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 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 for energy consumption.		
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	Green Belt has been provided with nearly 2000 nos. trees planted. Trees have been planted as per the CPCB guidelines.		

Sr	Condition	Compliance	Anx	P
	on 31 st March of the year and number of trees planted by September end.			
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.	PP complies with the consent conditions.		
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) 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.	PP will obtain the required NOCs and permissions for additional pollution control Equipments.		

Sr	Condition	Compliance	Anx	P
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).	PP agrees with the Board's conditions.		
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.	A facility for sample collection has been provided at the site.		

ANNEXURE I

Previous Compliance Report Acknowledgement Copy



Ajeet Thakur MAHABAL ENVIRO MD <mahabal.thane@gmail.com>

Revised_EC Compliance monitoring Report Submission_April 2024 to September 2024_PNP Maritime Services Private Limited

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

Fri, Nov 22, 2024 at 6:01 PM

To: SRO Raigad 2 <sroraigad2@mpcb.gov.in>

Cc: Siddharth <siddharth@pnpport.com>, Yuvraj <yuvraj.b@pnpport.com>, Ajeet Kumar Sir <mahabal.cmd@gmail.com>

To,
The Sub-Regional Officer,
Maharashtra Pollution Control Board,
Raigad Bhavan, 6th Floor, Sector-11,
C.B.D. Belapur, Navi Mumbai

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

Dear Sir,
Please find attached Herewith the half-yearly compliance monitoring report of the Expansion and Modernization of the existing PNP Port at Gut No. 346, Dharamtar Creek, Village Shahbaj, District Raigad, Maharashtra by PNP Maritime Services Private Limited- Regarding Environmental Clearance.

District - Raigad
April 2024 to September 2024

Regards

=Sharmila Kadale-9892631858= mahabal.thane@gmail.com

=====

Office of: [Mahabal Enviro Engineers Pvt. Ltd. - THANE BRANCH](#)

A-202 Chandravijay, Fule Road, Mulund East, Mumbai-400081

Phone: [022-35097207/9137566620/8928386332](tel:022-35097207/9137566620/8928386332) Email: mahabal.thane@gmail.com

GENERAL EMAIL ID OF THE COMPANY - THANE BRANCH



Revised 2024.11.22 Mahabal~PNP Maritime Compliance Report(For April 2024 to September 2024) Final.pdf



Ajeet Thakur MAHABAL ENVIRO MD <mahabal.thane@gmail.com>

Revised_EC Compliance monitoring Report Submission_April 2024 to September 2024_PNP Maritime Services Private Limited

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

Fri, Nov 22, 2024 at 6:01 PM

To: vijay.patil@nic.in

Cc: Siddharth <siddharth@pnpport.com>, Yuvraj <yuvraj.b@pnpport.com>, Ajeet Kumar Sir <mahabal.cmd@gmail.com>

To,
State Environment Department,
Government of Maharashtra
15th Floor, New Administrative Building,
Mantralaya, Mumbai-400032

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

Dear Sir,
Please find attached Herewith the half-yearly compliance monitoring report of the Expansion and Modernization of the existing PNP Port at Gut No. 346, Dharamtar Creek, Village Shahbaj, District Raigad, Maharashtra by PNP Maritime Services Private Limited- Regarding Environmental Clearance.

District - Raigad
April 2024 to September 2024

Regards

=Sharmila Kadale-9892631858= mahabal.thane@gmail.com

=====

Office of: [Mahabal Enviro Engineers Pvt. Ltd.- THANE BRANCH](#)

A-202 Chandravijay, Fule Road, Mulund East, Mumbai-400081

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GENERAL EMAIL ID OF THE COMPANY – THANE BRANCH

 **Revised 2024.11.22 Mahabal~PNP Maritime Compliance Report(For April 2024 to September 2024) Final.pdf**

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22553K



Ajeet Thakur MAHABAL ENVIRO MD <mahabal.thane@gmail.com>

Revised_EC Compliance Monitoring Report Submission_April 2024 to September 2024_PNP Maritime Services Private Limited

1 message

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

Fri, Nov 22, 2024 at 6:01 PM

To: ecompliance-mh@gov.in

Cc: Siddharth <siddharth@pnpport.com>, Yuvraj <yuvraj.b@pnpport.com>, Ajeetkumar <mahabalcmd@gmail.com>

To,
The Director,
Integrated Regional Office,
Ministry of Environment, Forest and Climate Change,
Ground Floor, East Wing,
New Secretariat Building,
Civil Lane, Nagpur-440 001

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

Dear Sir,
Please find attached Herewith the half-yearly compliance monitoring report of the Expansion and Modernization of the existing PNP Port at Gut No. 346, Dharmatar Creek, Village Shahbaj, District Raigad, Maharashtra by PNP Maritime Services Private Limited- Regarding Environmental Clearance.

District - Raigad
April 2024 to September 2024

Regards**=Sharmila Kadale-9892631858=** mahabal.thane@gmail.comOffice of: [Mahabal Enviro Engineers Pvt. Ltd.- THANE BRANCH](#)

A-202 Chandravijay, Fule Road, Mulund East, Mumbai-400081

Phone: [022-35097207/9137566620/8928386332](tel:022-35097207/9137566620/8928386332) Email: mahabal.thane@gmail.com**GENERAL EMAIL ID OF THE COMPANY – THANE BRANCH****Revised 2024.11.22 Mahabal~PNP Maritime Compliance Report(For April 2024 to September 2024)****Final.pdf**

22553K

ANNEXURE II

Site Photographs





Drinking Water Facility



First Aid Kit



Water Tank



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,

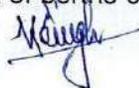
This has reference to your online Proposal No. IA/MH/MIS/59562/2016 dated 12 September, 2019, submitted to this Ministry for grant of Environmental and CRZ Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 and Coastal Regulation Zone (CRZ) Notification,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

2. 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 53rd meeting held during 23-24 July, 2020.

3. 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:-

- (i) Environmental and CRZ Clearance for the Expansion and Modernisation of Existing PNP port located at Dharamtar Creek, village Shahbaj, Taluka Alibaug, District Raigad, Maharashtra. (18^o41'59" N latitude and 73^o01'33" 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).
- (iv) 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



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/ berths	Four (4) Nos.	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)

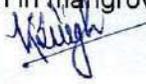
- (vi) During construction phase, total water requirement is expected to be 60 KLD which will be met by tanker water. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- (vii) During 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 Pollution 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 Mumbai 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 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 53rd 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 changes 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

Nough

(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:

- 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.
- 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.
- 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.
- v. 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 PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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.



- 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.
- 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:

- 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.
- 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.
- 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.
- iv. Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
- v. 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.
- 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.
- 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.
- x. 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:

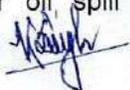
- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
- 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.
- 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:

- 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;
- ii. Provide LED lights in their offices and residential areas.

VI. Waste management:

- i. 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.
- iv. The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
- 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.
- 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:

- 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.
- ii. Top soil shall be separately stored and used in the development of green belt.

VIII. Marine Ecology:

- i. Dredging shall not be carried out during the fish breeding and spawning seasons.
- ii. Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
- iii. 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.
- v. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

- 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.
- iv. 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.
- 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.
- 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, NO_x (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.
 - xi. 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:

- 1) The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 400 032.
- 2) The APCCF (C), MoEF&CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur - 440001.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai - 400 022.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) 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), Mumbai-400022

RED/L.S.I (R46)

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

Date: 14/07/2021

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



Your Service is Our Duty

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

- Ref:**
1. 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.
 2. Environmental Clearance granted by MOEF, GOI, vide no. J-16011/38/2001-IA-III Dated 06.10.2003
 3. 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:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.1061.56 Crs. (As per C.A Certificate submitted by industry Existing CI 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	UOM
Products			
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



4. **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

5. **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	S-1	DG set [80 KVA]	1	As per Schedule -II
2	S-2	DG set [500 KVA]	1	As per Schedule -II
3	S-3	DG set [160 KVA]	1	As per Schedule -II
4	S-4	DG set [30 KVA]	1	As per Schedule -II
5	S-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 manure
2	Non Biodegradable waste	59	Kg/Day	Sale	Sale to authorized party

7. **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	Recycle	Sale to authorised party / CHWTSDF

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. This consent is issued pursuant to the decision of the 23rd Consent Appraisal Committee Meeting held on 17.03.2021.
11. 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.
12. 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.
14. The applicant shall submit BG of Rs.25 Lakhs towards compliances of consent conditions and Environmental Clearances conditions.
15. The waste generated due to proposed activity should not be disposed off in CRZ area.
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.



17. The applicant shall prepare disaster management plan and shall be updated time to time.
18. 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





SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A) Generation - As per your application the treated effluent generation is Nil.
B) Treatment - NA
C) Disposal - NA
2. 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.
4. 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.
5. 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



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

6. 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:

1. 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/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	DG set [80 KVA]	Acoustic Enclosure	3.00	Diesel 6.25 Kg/Hr	1	SO2	3.0 Kg/Day
						Other	-
						Other	-
S-2	DG set [500 KVA]	Acoustic Enclosure	5.00	Diesel 41.66 Kg/Hr	1	SO2	19.99 Kg/Day
						Other	-
						Other	-
S-3	DG set [160 KVA]	Acoustic Enclosure	3.00	Diesel 12.5 Kg/Hr	1	SO2	6 Kg/Day
						Other	-
						Other	-
S-4	DG set [30 KVA]	Acoustic Enclosure	3.00	Diesel 2.08 Kg/Hr	1	SO2	1.0 Kg/Day
						Other	-
						Other	-
S-5	DG set [2000 KVA]	Acoustic Enclosure	5.00	Diesel 400 Kg/Hr	1	SO2	192 Kg/Day
						Other	-
						Other	-



Stack No.	Source	APC System provided/proposed	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] 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.
- 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 permeability 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.



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.
13. PP 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.

**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	30.04.2026

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
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
2. 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.



- 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 siting 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.
4. The applicant shall maintain good housekeeping.
 5. 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.
 6. 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.
 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 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).
 9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 10. 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.
 12. 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
 14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.



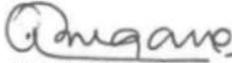
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate 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.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. 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.
21. 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-V by 30th 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.



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.
30. 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.
31. 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.
32. 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

ANNEXURE VI

Consent to Operate



MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 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/S.S.I (R46)

No:- Format1.0/CC/UAN No.0000103714/CR 2104001333

Date: 21/04/2021

To,
M/s. PNP Maritime Services Pvt. Ltd.
Old Survey 247 / New Gut No. 346, PNP Port,
Dharmatar Creek
Tal: Alibag, Dist: Raigad.



Your Service is Our Duty

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

- Ref:**
1. 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
 2. 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:

1. The consent to renewal is granted for a period up to 31/12/2025
2. 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
Products			
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

4. 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



5. 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

7. 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 authorized preprocessor/CHWTSD	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 shall 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, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A) Generation - As per your application the treated effluent generation is Nil.
B) Treatment - NA
C) Disposal - NA
2. 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	Standards	
1	pH	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

- 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.
 4. 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.
 5. 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	10.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00



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

6. 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:

1. 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	S%	SO ₂ (kg/day)
Not Applicable	Not Applicable	Not Applicable	-	Not Applicable	--	--	--

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.
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:

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

4. 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.
5. 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/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate	Rs. 5 lakh	15 Days	Towards O and M of pollution control system Compliance consent conditions.	31/12/2025	30/04/2026



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
NA						

BG Return details

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

**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
 - Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - 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.
 - Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - 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.
 - D.G. Set shall be operated only in case of power failure.
 - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - 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.



Maharashtra Pollution Control Board

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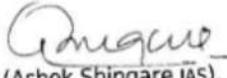
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. 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.
12. 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
14. 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.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. 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.
21. 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.



Maharashtra Pollution Control Board
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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.
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.
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.
30. 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.
31. 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.
32. 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

ANNEXURE VII

Environment Monitoring Report



AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/03/25/5050	Report No. AA/03/25/5050	Report Date	10/03/2025
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	03/03/2025 to 04/03/2025
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	05/03/2025
Sampling Procedure	As per method reference	Date - Start of Analysis	05/03/2025
Order Reference	As per PO No. PNP/March/YB/2023-24/001 Dated 27.03.2024	Date - Completion of Analysis	10/03/2025

Meteorological Data / Environmental Conditions

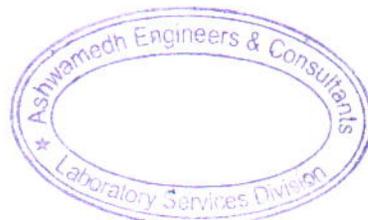
Average Wind Velocity 10.5 km/h	Wind Direction N-E	Relative Humidity (Max./Min.): 75/63%	Temperature (Max./Min.): 30/22°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	10.2	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	31.3	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	94	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	52	60	µg/m ³	CPCB Guideline, Volume 1,36/2012-13, Page No.15:2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m ³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 411, Page no. 403 :1988
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.2, Jun: 1999
Carbon Monoxide (CO)	1.16	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m ³	CPCB Guidelines, Volume 1,36/2012-13, Page No.35: 2013
Benzene (C ₆ H ₆)	1.34	5	µg/m ³	IS 5182 (Part II): 2017
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	IS 5182 (Part 12): 2014
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.4, Jun: 1999

N. Soundankar
Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



Sample ID : AA/03/25/5050		Report No. AA/03/25/5050		Report Date	10/03/2025
Parameter	Result	NAAQS# 2009	Unit	Method	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.2, Jun: 1999	

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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 Reviewed & Authorised by



Note:

1. The result listed refer only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.
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/03/25/5051	Report No. AA/03/25/5051	Report Date	10/03/2025
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	03/03/2025 to 04/03/2025
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	05/03/2025
Sampling Procedure	As per method reference	Date - Start of Analysis	05/03/2025
Order Reference	As per PO No. PNP/March/YB/2023-24/001 Dated 27.03.2024	Date - Completion of Analysis	10/03/2025

Meteorological Data / Environmental Conditions

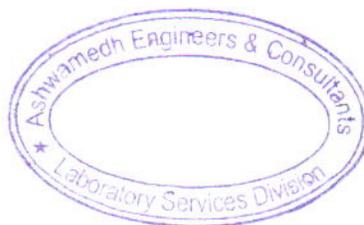
Average Wind Velocity 10.5 km/h	Wind Direction N-E	Relative Humidity (Max./Min.): 75/63%	Temperature (Max./Min.): 30/22°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	9	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	30.2	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	84	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	46	60	µg/m ³	CPCB Guideline, Volume 1.36/2012-13, Page No.15:2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m ³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 411, Page no. 403 :1988
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.2, Jun: 1999
Carbon Monoxide (CO)	1.08	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m ³	CPCB Guidelines, Volume 1.36/2012-13, Page No.35: 2013
Benzene (C ₆ H ₆)	1.12	5	µg/m ³	IS 5182 (Part II): 2017
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	IS 5182 (Part 12): 2014
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.4, Jun: 1999

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Reviewed & Authorised by



Sample ID : AA/03/25/5051		Report No. AA/03/25/5051		Report Date	10/03/2025
Parameter	Result	NAAQS# 2009	Unit	Method	
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.2, Jun: 1999	
<p>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.</p>					

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Reviewed & Authorised by



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