



Ports and  
Logistics

DPCL/ENV/MOEFCC/2023-083

Dt: 29.11.2023

To

**The Deputy Director General of Forests (C),**  
Ministry of Environment, Forest and Climate Change,  
Regional Office,  
A/3, Chandrasekharapur,  
Bhubaneswar- 751023  
E-mail: [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in)

**Sub :** Half yearly Compliance report of Environment & CRZ clearance for expansion of Dhamra Port at Dhamra, Bhadrak, Odisha for the period April'2023 to September'2023.

**Ref:** Environment & CRZ clearance for Revised Master Plan Development at Dhamra Port dated 15<sup>th</sup> November 2019 bearing F.No.11-104/2009-IA.III.

Dear Sir,

With reference to the above-mentioned letter for the said subject matter, please find enclosed herewith the compliance to the conditions stipulated in the letter for the period April'2023 to September'2023 in soft copy for your kind reference. The said period compliance report is also being e-mailed to [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in).

Thanking you,  
Yours Sincerely,

**Santosh Kumar Nayak**  
(Head- Environment)

**Encl: As above**

**Copy to:**

- 1) The Director (Monitoring –IA-III Division), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110003
- 2) Zonal Office, Central Pollution Control Board, Southern Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.)
- 3) The Member Secretary, State Pollution Control Board, Odisha, Parivesh Bhawan, A/118, Unit 8, Nilakantha Nagar, Nayapalli, Bhubneswar-751012
- 4) The Regional Officer, State Pollution Control Board, Odisha, Plot no. 1602, Ganeshwarpur, Januganj, Balasore – 756019
- 5) Member Secretary OCZMA & Director, Env-cum-Spl. Secretary to Govt., Forest & Environment Dept., Govt. of Odisha, Plot No 108, Surya Nagar, Unit-VII, Bhubaneswar - 751003.

The Dhamra Port Company Ltd  
(A Wholly Owned Subsidiary of APSEZL)  
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Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15 <sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.		
S. No.	Conditions	Compliance Status
<b>A. Specific Conditions:</b>		
I	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Construction activities are being carried out in line to the approvals accorded and in compliance to the provisions of CRZ notification 2011, as amended till date.
II	All the recommendations and conditions specified by the Odisha State Coastal Zone Management Authority vide letter No. 163/OCZMA dated 10.05.2019 shall be complied with.	All the recommendations and conditions specified by the Odisha State Coastal Zone Management Authority vide letter No. 163/OCZMA dated 10.05.2019 are complied.
III	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied. Consent to Establish has been obtained from State Pollution Control Board, Odisha vide letter no. 1874 IND-II-CTE-6289 dated: 17.02.2020. Consent to Operate has been obtained from State Pollution Control Board, Odisha vide letter no. 4218-IND-I-CON-6348 dated: 24.04.2020 and is valid till 31.03.2025.
IV	The project proponent shall comply with the air pollution mitigation measures as submitted.	Complied. As a part of existing operation, following air pollution control and mitigation measures are being adopted. <ul style="list-style-type: none"> <li>• Use of dust suppression system in hopper, conveyor belt and transfer points.</li> <li>• Pre wetting of cargo before tipping in wagon tippler.</li> <li>• Wagon cargo loading by closed silo system.</li> <li>• Covering of outgoing loaded rail wagon at "Wagon covering station".</li> <li>• Regular water sprinkling by tankers.</li> <li>• Rain guns are fixed all around the stack yard for suppression of dust during stacking, reclaiming and during high wind period.</li> <li>• Dust suppression system at wagon tippler area.</li> <li>• Mobile dust buster is also used in stack yard and other areas for controlling the fugitive emission.</li> <li>• Use of dust suppression system in conveyor line</li> <li>• Tarpaulin covering of minerals stored in stack yard.</li> <li>• Use of water mist canon for suppression of fugitive dust emission.</li> <li>• Road cleaning by mechanized and manual means are being carried out on regular basis.</li> <li>• Use of leak proof transporting vehicles for intra transportation of materials.</li> <li>• Limiting the vehicle speed to 20 km/hr to control the fugitive dust emission.</li> </ul>

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		<ul style="list-style-type: none"> <li>• Maximum mechanized handling (Loading and unloading) of cargo from ship.</li> <li>• Greenbelt development along the periphery of storage yard /stack yard.</li> <li>• Regular monitoring of Ambient Air Quality at 6 locations are being carried out by NABL accredited laboratory following the prescribed guidelines. All the results were within the prescribed limit (<b>Annexure-IA</b>)</li> <li>• Periodic awareness and training programmes are being conducted regularly among employees and workers.</li> </ul>
V	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.	Complied. Drainage pattern as approved under RMP will be maintained. As a part of existing operation drainage pattern is being maintained. Creeks are maintained for ensuring free flow of water from both outside and inside.
VI	Dredging shall not be carried out during the fish breeding season.	Noted and the same is being followed.
VII	Dredging, etc. shall be carried out in the confined manner to reduce the impacts on marine environment including turbidity and turbidly should be monitored (preferably monthly) near Kanika Island during the dredging.	Being complied. Dredging is being carried out in the areas identified and approved as a part of Revised Master plan. As a part of existing operation, periodic marine water quality monitoring including turbidity is carried out near Kanika Island by engaging MOEF&CC approved laboratory. The details of marine water quality monitoring reports for the period from Apr'23 to Sept'23 is enclosed as <b>Annexure-IB</b> .
VIII	No underwater blasting is permitted.	No underwater blasting is carried out.
IX	Dredged material shall be disposed safely in the designated areas and also to be utilized for beach nourishment. With the enhanced quantities, the impact of dumping on the coastal environment should be studied and necessary measures shall be taken on priority basis if any adverse impact is observed.	Noted and is being complied. As a part of existing operation and maintenance dredging has been carried out. During the period of Apr'23 to Sept'23, total maintenance dredging was 10.7 MCM and around 10.7 MCM was used for reclamation during Apr'23 to Sept'23. As stipulated in EIA report and discussed in the EAC, dredged materials are disposed inside sea at MOEF&CC approved designated location with (-) 20 m depth. The marine water quality monitoring is being carried out by NABL & MOEF&CC accredited laboratory on periodical basis. The results conclude that there is no significant impact observed on marine water quality.
X	Shoreline should not be disturbed due to dumping. Periodical study on shoreline changes shall be conducted and mitigation carried out, if necessary.	Noted. Shoreline monitoring study was carried out as a part of Environment Impact Assessment study for Revised Master plan and further, the same will be

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	The details shall be submitted along with the six monthly monitoring report	carried out at regular intervals to check the impact and if required mitigation measures will be carried out.
XI	While carrying out dredging, an independent monitoring shall be carried out by Government Agency/Institute to check the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.	Noted and will be complied. However, regular monitoring activities is being carried out by a NABL & MoEF &CC accredited lab.
XII	The freshwater requirement of 40 MLD will be met by Desalination plant of 40 MLD which will be developed on modular basis	Noted. Desalination plant of 40 MLD will be developed when required. Existing operational requirements are being fulfilled through Mantai river. Permission for drawal of 2.05 cusec is obtained from Water Resource Department.
XIII	The domestic and industrial wastewater will be treated in STP and ETP and treated water will be reused / recycled for horticulture and other purposes	Complied. As a part of existing operation, four STP of capacity 150 KLD, 140 KLD, 25 KLD and 15 KLD are functioning for treatment of sewage from Port and township area. 3 nos. of Settling ponds have been constructed for treatment of runoff water. The treated water is being used for dust suppression of internal roads. Periodic testing of water quality is being done by MOEF&CC approved laboratory and the results are being submitted to SPCB/MOEF&CC. All results are well within the prescribed standards. The treated water is being used for horticulture purpose.
XIV	Marine ecological studies and its mitigation measures for protection of phytoplankton, zooplanktons, benthic macrofauna, etc. prepared by Centre of Envotech and Management Consultancy Private Limited (CEMC) as given in the EIA-EMP Report shall be complied with in letter and spirit.	Complied. As part of existing operations, Periodic monitoring program covering all seasons on various aspects of the coastal environs is being carried out by NABL & MoEF&CC accredited laboratory. The monitoring results for the period Apr'23 to Sept'23 is enclosed as <b>Annexure - IB</b> .
XV	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.	Noted. As a part of EIA for RMP Dhamra, detailed Biodiversity Impact study and Management plan has been prepared and developed by M/s Berhampur University. Same shall be updated for submission to the State Biodiversity Board for validation.
XVI	A periodic monitoring programme covering all the seasons on various aspects of the coastal environments need to be undertaken by NABL accredited laboratories during construction and operation phase of the project. The monitoring should cover various physico-chemical parameters coupled with biological indices such as microbes, plankton, benthos and fishes. Deviations in the	Complied. As a part of existing operations, periodic monitoring program covering all seasons on various aspects of the coastal environments is carried out by NABL & MoEF&CC accredited laboratory. The monitoring results for the period April'23 to September'23 is enclosed as <b>Annexure - IB</b> .

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	parameters shall be addressed with suitable measures to conserve the marine environment and its resources.	
XVII	Continuous online monitoring of air and water quality covering the project area shall be carried out and the compliance report shall be submitted to the regional office of MoEF&CC.	Noted. As a part of existing operations, periodic monitoring of air and water quality is being carried out through MoEF&CC and NABL approved laboratory.
XVIII	Effective and efficient pollution control measures like covered conveyors/stacks (coal, iron ore and other bulk cargo) with fogging/back filters and water sprinkling commencing from ship unloading to stacking to evacuation shall be undertaken. Coal and iron ore stack yards shall be bounded by thick two tier green belt with proper drains and wind barriers wherever necessary. Coal should be handled properly at port limits so that the coal dust will not reach the surrounding areas. Sprinklers shall be used at coal storage regularly and to monitor the coal dust in the air	Noted. As a part of existing operation, following pollution control measures are being implemented at site <ul style="list-style-type: none"> <li>• Transportation of Coal/Iron ore is done in covered conveyor belt system.</li> <li>• Water sprinkling is being carried out on road on regular basis.</li> <li>• Dust suppression system has been installed in dust prone area to mitigate the fugitive emission.</li> <li>• Dust buster &amp; rain gun system has been deployed in stack yard to mitigate the fugitive emission from the stack yards.</li> <li>• Wagon covering system is being used for covering of all loaded wagons going out of Port premises.</li> <li>• Rain guns and dust buster are being used to sprinkle water on the coal storage regularly to suppress the coal fugitive dust.</li> </ul>
XIX	Sediment concentration should be monitored fortnightly at source and disposal location of dredging while dredging. Online monitoring system should be installed for assessing turbidity during dredging.	Complied. As a part of existing operation fortnightly monitoring of sediment quality is done through MOEF&CC and NABL approved laboratory. However, the possibility of installing Online Turbidity Monitoring will be explored.
XX	Marine ecology shall be monitored regularly in terms of water quality (Salinity, temperature, DO, BOD, PHc, nutrients), sediment quality (Metals, PHc, Organic carbon etc) and biological characteristics (phytoplankton, zooplankton, benthic macrofauna and other marine biodiversity components) as part of the environment management plan specified in the report. Any deviations from the baseline should be reported to the OCZMA/OSPCB	complied. As a part of existing operation periodic monitoring program covering all seasons on various aspects of the marine ecology monitoring is carried out by NABL & MoEF&CC accredited laboratory. The monitoring results for the period April'23 to September '23 is enclosed as <b>Annexure - IB</b> .
XXI	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Noted. Utmost care is being taken to avoid spillage of fuel/engine oil and lubricants from the construction site. In case of any accidental spillage, saw dust or sand will be used along with absorbent to arrest the spillage. Used oil/waste oil/waste containing oils

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		are handed over to SPCB approved authorized recyclers.
XXII	Necessary arrangements for the treatment of the effluents and solid wastes/ facilitation of reception facilities under MARPOL must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules, 2016. E-Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with.	<p>Noted</p> <p>As a part of existing operation, four STP of capacity 150 KLD, 140 KLD, 25 KLD and 15 KLD are functioning for treatment of sewage from Port and township area.</p> <p>Waste management are being done as per the prescribed Rules. Color coded waste bins have been provided for collection and segregation of different types of waste. Generated wastes are being handled as per the 5R concept of waste management and as per the vision of APSEZ to become "A Zero Waste to landfill Company".</p> <p>Waste reception facility is provided for visiting vessel. Reception facilities as per DG Shipping guidelines have been provided for visiting vessels to dispose ship generated waste. The collected wastes are being handled and disposed as per the prescribed guideline.</p> <p>Plastic wastes are sent to the Cement Plant for energy recovery through co-processing. Management of plastic waste are being done as per the Plastic Waste Management Rules, 2016</p> <p>The E-Waste are sent to an authorized recycler for proper disposal as per the E-Waste Management Rules, 2016.</p>
XXIII	Compliance to Energy Conservation Building (ECBC-2017) shall be ensured for all the building complexes. Solar/wind or other renewable energy shall be installed to meet energy demand of 1% equivalent	<p>Noted &amp; is being complied.</p> <p>The following initiatives are being taken for conservation of electrical energy:</p> <ol style="list-style-type: none"> <li>1. Use of LED lights in place of conventional lighting system in our Port and Township common areas.</li> <li>2. Use of automatic on/off timers switch in street lightings</li> <li>3. Use of solar light fitted with LED bulbs</li> <li>4. Use of translucent sheets in bigger shed for natural lightings during day hours</li> <li>5. Use of bigger sized glass windows in offices and MCC building for natural lights in day hours.</li> <li>6. Use of central ACs system instead of individual ACs in bigger offices and buildings.</li> <li>7. Use of VFD (variable frequency drive) in operational area for power savings.</li> <li>8. Roof top solar power plant of 621 KWP capacity is installed.</li> </ol>
XXIV	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	<p>Noted &amp; will be complied.</p> <p>At present no hazardous or petroleum products are being handled at shore and details RA recommendation will be complied as and when</p>

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		applicable. However, as a part of present operation following measures are being adopted. Disaster Management Plan has been prepared and approved by District Administration. Periodic mock drills are being carried out. Prescribed Safety guidelines are followed at workplaces. Dedicated team lead by dedicated site safety team along with team of the Corporate are ensuring best safety practices at Port premises.
XXV	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo. Tier 1 should be made available with the port for attending the large oil spills. The company should inform the coast guard for availing tier 2 facility.	Necessary action has been taken to contain, control and recover the accidental spills of fuel and cargo. Oil spill contingency plan has been prepared for Dhamra Port and submitted to District Administration and Coast guard. Any accidental discharge of oil / lubricants will be handled as per the plan. Port is equipped with oil spill contingency facility and required dispersant chemicals. Seven persons have been undergone IMO Tire 1 training, three persons have undergone IMO Tire 2 training and one person has undergone IMO Tier 3 training at Port. Last drill was conducted on 10.08.2023.
XVI	Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.	Complied. We have a strict safety regimen with the motto "Safety First". Safety observations are mandatory from every department of the Port and immediate measures are being taken to rectify the shortcoming.  OHSAS Guidelines and MSIHC Guidelines are followed for handling of Hazardous materials. First aid center facilities have been provided for employees and workers. Inline to this a wellness center is also operated outside the port premises for providing medical facilities for villagers. Vaccination programme is being carried out regularly for our waste management teams. Our Port is ISO 45001-2018 certified Port.
XVII	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	Noted. Environment Management Plan is enclosed as <b>Annexure-II</b> .  Rs.10.50 Crore has been spent towards Environment management for the period of April'23 to September'23 and the detail is enclosed as <b>Annexure – III</b> .
XVIII	The effluent generated by desalination plant and FSRU should be released at designated sites as suggested in the EIA report.	Noted. At present, no FSRU & desalination plant has been developed.

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XIX	The company shall draw up and implement Corporate Social Responsibility plan as per the Company's Act of 2013.	Noted The details work carried out under Corporate Social Responsibility plan for the period of Apr'23 to Sept'23 and the details expenses breakup, totaling to Rs. 3.45 Cr, is enclosed as <b>Annexure-IV</b> .
XXX	As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 1st May 2018, project proponent has proposed an amount of Rs. 21.4998 Crores (0.125% of the project cost) under Corporate Environment Responsibility (CER) Plan for the activities such as Biodiversity Conservation, Turtle and Marine life Research Centre, Water Conservation and Water Recharge, Fishermen Alternate Livelihood Development, Agriculture and Horticulture Promotion, Community Infrastructure and Women Empowerment Promote Entrepreneurship. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.	Noted. Annual CER plan is prepared. Budget and expenditure till date is provided in the <b>Annexure-V</b> .

**B. Standard Conditions:**

**I. Statutory compliance:**

I	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).	Noted. Site-specific Conservation Plan & Wildlife Management plan has been prepared and will be submitted for approval.
II	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.	Construction activities are being carried out in line to the approvals accorded and in compliance to the provisions of CRZ notification 2011, as amended till date.
III	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.	Noted. We have received permission for 3 nos. of bore wells from CGWA for drawl of ground water.



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<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
IV	All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction	Noted.
V	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Noted. 20,000 KVA power is being sourced from NESCO Odisha. The agreement copy was submitted along with last half yearly compliance report vide our letter no. DPCL/ENV/MOEFCC/2020-113 dated 23.11.2020.
VI	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted. License for storage of diesel from Chief Controller of Explosives and NOC from fire department were submitted along with last half yearly compliance report vide our letter no. DPCL/ENV/MOEFCC/2020-113 dated 23.11.2020.
<b>II. Air quality monitoring and preservation:</b>		
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., PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> 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.	Noted. Ambient Air Quality Monitoring (twice a week) is carried out by NABL & MoEF&CC accredited agency. All emissions are well within the prescribed standards. Air monitoring is being carried out at 6 locations (3 inside & 3 outside). The locations are selected as per the EIA and at an angle of 120 each covering both upwind & down wind. Air monitoring location map was submitted along with half yearly compliance report vide our letter no. DPCL/ENV/MOEFCC/2020-113 dated 23.11.2020.
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	Noted. As a part of existing operation, transportation of Coal/Iron ore is done in covered conveyor belt system. Water Sprinkling is carried out on road on regular basis through water tanker. Dust suppression system has been installed in dust prone areas to mitigate the fugitive emission. Dust buster & rain gun system has been deployed in stack yard to mitigate the fugitive emission from the stack yards.
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.	As a part of existing operation, following pollution control measures are being implemented at site <ul style="list-style-type: none"> <li>• Road cleaning by mechanized and manual means are carried out on regular basis.</li> <li>• Regular water sprinkling by tankers are also carried out.</li> <li>• Rain guns are fixed all around the stack yard for suppression of dust during stacking, reclaiming and during high wind period.</li> </ul>

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		<ul style="list-style-type: none"> <li>• Pre wetting of cargo before tipping in wagon tippler</li> <li>• Dust suppression system at wagon tippler area</li> <li>• Mobile dust buster is also used in stack yard and other areas for controlling the fugitive emission.</li> <li>• Use of dust suppression system in conveyor line</li> <li>• Regular ambient air quality at 6 locations are being carried out through NABL approved laboratory as per the frequency and prescribed guidelines and all the results were well within the prescribed limit (<b>Annexure IA</b>).</li> <li>• Periodic awareness and training programs are also organized by Environment department for workers and employees.</li> </ul>
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.	Noted No such activity has been carried out during April'23 to September'23.
V	The vessels shall comply the emission norms prescribed from time to time.	MARPOL and Ballast Water Convention guidelines are enforced by DPCL for visiting ships.
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.	Noted. As a part of existing operation 6 nos. of standby DG Sets of capacity ranging from 160 KVA to 200 KVA are in position for emergency backups & uninterrupted power supply to the water supply system and firefighting system
VII	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Noted. DPCL has an exclusive rail connectivity for the project and has proposal for future expansion of rail-road connectivity. Besides, DPCL has participated with PWD for maintenance and improvement of the main service road to Dhamra and has shared the cost of development. As a part of RMP EIA studies, Traffic study was conducted for assessment & evaluation of feasibility of Four Lane Road (which is already approved as a part of Phase –II clearance) with future provision of Two lane, to be developed as a part of Revised Master Plan to connect Bhadrak & Dhamra Port. Based on this – 1. Both normal traffic + generated traffic (due to proposed expansion) considered for the study.

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		<p>2. Four lane (which is already approved as a part of Phase –II clearance) with future provision of 2 lane road, to be developed as a part of Revised Master Plan is proposed, which shall be sufficient to meet the Port Requirement as per the IRC guidelines.</p> <p>Existing approach road from Jamujhadi to Dhamra will be utilized during construction phase (apart from proposed NW-5) which is being widened by GoO which will improve the traffic conditions. Proposed road link will induce local traffic movement on either side and boost the travel characteristics of the people residing in nearby villages. In addition, for easy evacuation of cargo, a new Rail/Road/Utility Corridor (12 km x 125 m wide) is also proposed from Northern side of Dhamra Port.</p>
<b>III. Water quality monitoring and preservation</b>		
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.	Drainage pattern of the area is maintained. Creeks are periodically cleaned to ensure free flow of water from both outside and inside. Further inline to Revised Master Plan proper drainage facility will be developed as per the drainage plan.
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.	Noted. DPCL ensuring dredging through TSHD and further regular marine monitoring is carried out to check the level of turbidity. Silt curtain shall be used, when working near sensitive areas.
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.	Complied. Vessels are not allowed to discharge the onboard wastewater in estuary/channel. The vessels have their own STP where sewage water is being treated. However, DPCL will explore the possibility of treating wastewater generated from ships.
IV	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Noted. Oil spill control equipment such as booms / barriers are in readiness for oil containment and skimmers for recovery. Depending upon the type of oil spill, containment measures will be carried out in cooperation of the Coast-Guard. Seven persons have been undergone IMO Tire 1 training and three persons have undergone IMO Tire 2 training and one person has undergone IMO Tier 3 training at Port. Oil Spill drills are conducted on a regular basis and the last drill was conducted on 10.08.2023.
V	The project proponents will draw up and implement a plan for the management of temperature	Noted.

<b>Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15<sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.</b>		
<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
	differences between intake waters and discharge waters.	As of existing operation facility, there is no intake or discharge.
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 by providing necessary mechanisms to trap the spillage.	Utmost care is being taken to avoid spillage of fuel/engine oil and lubricants from the construction site. In case of any accidental spillage, saw dust or sand is being used along with absorbent to arrest the spillage. Used oil/waste oil/waste containing oils are handed over to SPCB approved authorized recyclers. Marine water quality & productivity is monitored by MoEF&CC accredited laboratory. There is no adverse impact on water quality and marine productivity in the vicinity.
VII	Total freshwater use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Noted. As a part of existing operation, required fresh water is sourced with the permission from Water Resource department, Government of Odisha.
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.	Noted. As a part of existing operation, four numbers of STP of capacity 140 KLD, 150 KLD, 25 KLD and 15 KLD are used for treatment of sewage from Port and township area. Periodic testing of water quality is being done by MOEF&CC approved laboratory and the results are being submitted to SPCB/MOEFCC. All results are well within the prescribed standards. Annexure - IE. The treated water is being used for horticulture purpose.
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.	40840.593 KL of wastewater generated during April'23 to September'23 and has been treated in STP. Treated water is used for Horticulture purpose as per the Consent to Operate(CTO) given by OSPCB.
X	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	No such diversion is required / proposed for the project.
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.	Noted and will be complied.
<b>IV. Noise monitoring and prevention</b>		
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	Noted. As a part of existing operation Noise monitoring is carried out on monthly basis by engaging accredited NABL & MOEF&CC laboratory. The Monitoring results are also submitted to the regional office on regular basis. The copy is enclosed as <b>Annexure – IC</b> .

Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15 <sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.		
S. No.	Conditions	Compliance Status
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.	Complied. As a part of existing operations, <ul style="list-style-type: none"> <li>• Vehicle maintenance is being conducted periodically. DG sets are provided with acoustic enclosers.</li> <li>• Personnel exposed to noise levels beyond threshold limits have been provided with protective gear like earplugs, earmuffs, etc.</li> <li>• DPCL have a strict maintenance regimen for all plant machinery and equipment which is reviewed by the management every day. Noise Monitoring is being carried out by a NABL &amp; MOEF&amp;CC accredited laboratory.</li> </ul>
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.	Complied. DG set used in existing operation is equipped with acoustic enclosure and noise barrier.
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.	Complied. As part of Existing operation, noise monitoring is carried out at 6 (six) locations, on monthly basis by engaging NABL & MOEF&CC accredited laboratory. All results are within the prescribed limits. The result is enclosed as <b>Annexure – IC</b> .
<b>V. Energy Conservation measures</b>		
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.	Complied. DPCL has installed solar lights along the roads and common areas. Solar power generation activity will be continued in other areas. Roof top Solar power plant of 621kwp capacity is installed.
II	Provide LED lights in their offices and residential areas.	Noted. LED lights are fitted in township and Port common area. Lighting of many operational areas are also replaced with LED lights wherever possible. DPCL will further explore the possibility of using more LED light in their offices and residential area.
<b>VI. Waste management</b>		
I	Dredged material shall be disposed safely in the designated areas.	Complied. As a part of existing operation, maintenance dredging has been carried out during the period of April'23 to Sept'23. As stipulated in EIA report and discussed in the EAC, dredged materials are disposed inside sea at MOEF&CC approved designated location. The marine water quality monitoring is being carried out by NABL & MOEF&CC accredited laboratory on periodical basis. The results conclude that there is no significant impact observed on marine water quality.

<b>Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15<sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.</b>		
<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
II	Shoreline should not be disturbed due to dumping. Periodical study on shoreline changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.	Noted and will be complied.
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	No effluent is being generated from Port activities. However, as a part of existing operation 3 nos. of settling ponds has been constructed to treat the surface runoff. Hazardous waste is being handled as per the Hazardous waste Management Rule. Waste generated is being handled in line to 5R concept of waste management, as per the vision of APSEZ to become "A Zero Waste to landfill Company".
IV	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016	Noted DPCL has developed a vision for making itself – "A Zero Waste to Landfill Port" by adoption of 5R principle of waste management i.e., Reduce, Reuse, Reprocess, Recycle & Recover. During the period April'23 to September'23, a total quantity of 132 MT of solid waste has been handled in line to 5R concept. Biodegradable wastes are being used for compost preparation. Recyclable wastes are handed over to authorized recyclers.
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.	Construction and demolition activities related waste are handled as per Construction and Demolition Waste Management Rules, 2016 and used for filling low lying area within our port premises.
VI	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project	Noted. DPCL has undertaken the management of solid waste with a vision for achieving – "A Zero Waste to landfill Port" by adopting '5R principle of waste management i.e., Reduce, Reuse, Reprocess, Recycle & Recover'. During the period April'23 to September'23, a total quantity of 132 MT of solid waste has been handled in line to 5R concept. Biodegradable wastes are used for compost preparation. Recyclable wastes are handed over to authorized recyclers. Plastic wastes are being sent to Cement industry for Co-processing.
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	Complied. CFLs and TFLs are properly collected and disposed of for recycling to authorized e-waste recyclers as per the prevailing guidelines /rules of the regulatory authority to avoid mercury contamination.

Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15 <sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.		
S. No.	Conditions	Compliance Status
VIII	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered	Noted Oil spill contingency plan has been prepared for Dhamra Port and submitted to District Administration and Coast guard. List of equipment is enclosed as <b>Annexure-VI</b> . Any accidental discharge of oil / lubricants will be handled as per the plan. Port is equipped with oil spill contingency facility and required dispersant chemicals. Seven persons have been undergone IMO Tire 1 training, three persons have undergone IMO Tire 2 training and one person has undergone IMO Tier 3 training at Port.
<b>VII. Green Belt:</b>		
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.	Around 75000 nos. of native trees have been planted in degraded village forest land and 1000 nos. of trees have been planted in inside Port during April'23 to September'23. Earlier plantation has been done along both edges of the 62.5 km rail corridor, in adjacent villages and inside the port premises. Photographs are enclosed as <b>Annexure-VII</b> . As a part of existing operation, a large nursery of multi species has been established for greenbelt development. The nursery constructed in an area of 1.5 acres with modern poly house & green house for effective plant production. More than 70 thousand saplings were developed from the nursery during last year having local plant species, forest species, seasonal plants, ornamental shrubs, Indoor plants, medicinal plants, etc. Forest species and local species like Casuriana, Terminalia, Bahunia, Pongamia, Tecoma, Peltophoroum, Delonix, Neem, Calliandra, Bakul,Plumeria, Conocarpous etc are produced.
II	Top soil shall be separately stored and used in the development of green belt	Complied.
<b>VIII. Marine Ecology:</b>		
I	Dredging shall not be carried out during the fish breeding and spawning seasons.	Noted and is being complied.
II	Dredging, etc. shall be carried out in the confined manner to reduce the impacts on marine environment	Noted Dredging is being carried out in the areas identified and approved as a part of Revised Master plan. As a part of existing operation, Periodic marine water quality monitoring including turbidity is carried out near Kanika island by engaging MOEFCC approved laboratory. The details of Marine Water quality monitoring reports for the period from Apr'23 to Sept'23 is enclosed as <b>Annexure IB</b> .

<b>Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15<sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.</b>		
<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
III	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	Noted & is being complied.
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	Noted and will be complied. Dredging is being carried out in the areas identified and approved as a part of Revised Master plan.
V	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography	Noted & will be complied. As a part of EIA for RMP Dhamra, detailed Biodiversity Impact study and Management plan has been prepared and developed by M/s Berhampur University. Same shall be updated for submission to the State Biodiversity Board / CRZ authority for validation.
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	As a part of existing operation periodic monitoring program covering all seasons on various aspects of the marine ecology monitoring is being carried out by NABL & MoEF&CC accredited laboratory.
<b>IX. Public hearing and Human health Issues:</b>		
I	The workspace 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	Noted & Complied. As a part of existing operation periodic VOCs monitoring is being carried out by NABL & MoEF&CC accredited laboratory. Report is enclosed as <b>Annexure - ID.</b>
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.	Complied. Workers are strictly enforced to wear PPE equipment's like dust mask, ear-muffs, ear plugs whenever & wherever required as per the DPCL PPE policy.
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.	Not Applicable.



**Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15<sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.**

S. No.	Conditions	Compliance Status
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	Complied. The employees, workers of DPCL have been trained on safety guidelines. Regular Fire training, Mock Drills are conducted as per the Crisis Management Plan. The details of drills, Safety training, Fire training conducted towards dock safety for the period Apr'23 to Sept'23 is enclosed as <b>Annexure-VIII</b> .
V	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Complied. As a part of existing operation, DPCL have Disaster Management Plan and Emergency Response Plan, that are implemented as and when required. Copy was submitted along with last half yearly compliance report vide our letter no. DPCL/ENV/MOEFCC/2020-50 dated 23.05.2020.
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	Noted. Maximum construction labor engaged at construction site are from nearby village areas and are staying at their own house. Construction labors coming from outside area are residing in our workers colony specially built for non-local labors. All basic facilities such as clean water, electricity, toilet, bathroom, health care, STP, safe drinking water etc. are provided in this colony.
VII	Occupational health surveillance of the workers shall be done on a regular basis	Complied Occupational Health Surveillance of the workers is being carried out on half yearly basis at the time of gate pass renewal.
<b>X. Corporate Environment Responsibility:</b>		
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.	Noted. Copy of APSEZ Environment policy was submitted along with half yearly compliance report vide our letter no. DPCL/ENV/MOEFCC/2020-113 dated 23.11.2020.
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.	DPCL has a well-structured Environmental Management Cell, staffed with qualified manpower at site supported by team at Head Office in Ahmedabad.

**Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15<sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.**

S. No.	Conditions	Compliance Status
III	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Noted & will be complied. As a part of existing operation EMP has been prepared. Environment Management Plan is enclosed as <b>Annexure II</b> .
IV	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted. Internal and external IMS audit (Integrated Management System) is being carried out by internal auditor (half yearly) / external agency (annually) as per ISO 14001:2015 (Environment Management System). Same will be continued for Revised Master Plan development of the Port.
<b>XI. Miscellaneous:</b>		
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.	Complied The Paper clippings of the Advertisement was already submitted vide our letter no DPCL/ENV/OSPCB/2020-20 dated 01.02.2020.
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.	Complied. The receipt of the said letters was already submitted vide our letter no DPCL/ENV/OSPCB/2020-20 dated 01.02.2020.
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.	Complied. Status of Compliance of the stipulated environment clearance conditions for Revised Master Plan, including results of monitory data will be updated 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.	Complied. Last Half Yearly compliance report was submitted vide letter no. DPCL/ENV/MOEFCC/2023-040 dated 22.05.2023.
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	Complied Environmental Statement for FY 2022-23 was submitted to SPCB Odisha vide our letter no. DPCL/ENV/2022-070 dated 23.09.2023.

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<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
VI	The criteria pollutant levels namely; PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (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.	Complied As a part of Existing operation Ambient Level is being monitored with a frequency (weekly twice) by a NABL & MOEF&CC accredited laboratory. The Monitoring data is being displayed at DPCL main gate for public view.
VII	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project	Noted.
VIII	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and is being complied.
IX	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	Noted. Environment Management Plan is enclosed as <b>Annexure II</b> . Commitments made during Public hearing are being complied.
X	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted.
XI	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.	Noted
XII	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted
XIII	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
XIV	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.	Noted and is complied with full cooperation during the inspection.
XV	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	Noted

**Revised Master Plan - Half yearly Compliance report of the conditions stipulated in Environmental and CRZ Clearance of Revised Master Plan Development of Dhamra Port project vide letter dated 15<sup>th</sup> November 2019 Ref. No. F.No.11-104/2009-1A-III.**

<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
	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.	
XVI	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

## **Annexure – IA**

# Mitra S. K. Private Limited



Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

## AMBIENT AIR QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

(April 2023 -September 2023)

MONTH	PARAMETERS	COLONY	KANAKA PRASAD	JETTY	BMH	DOSINGA	BHITARKANIKA	
April-2023	PM <sub>10</sub>	Max	64.20	62.10	72.90	74.10	59.30	55.40
		Min	48.30	44.60	48.50	48.30	42.30	42.50
		Avg	56.25	53.35	60.70	61.20	50.80	48.95
May-2023	PM <sub>10</sub>	Max	64.20	59.70	74.60	66.70	56.10	57.40
		Min	48.30	41.30	60.10	42.10	43.20	40.60
		Avg	56.25	50.50	67.35	54.40	49.65	49.00
June-2023	PM <sub>10</sub>	Max	66.50	62.10	76.60	74.60	62.10	56.30
		Min	50.70	42.50	61.20	58.10	42.30	41.20
		Avg	58.60	52.30	68.90	66.35	52.20	48.75
July-2023	PM <sub>10</sub>	Max	64.70	59.70	70.40	69.30	59.40	53.40
		Min	47.80	41.60	54.20	50.80	47.90	40.60
		Avg	56.25	50.65	62.30	60.05	53.65	47.00
August-2023	PM <sub>10</sub>	Max	58.90	57.40	70.40	64.80	59.40	50.60
		Min	42.40	42.40	56.60	50.10	40.60	41.60
		Avg	50.65	49.90	63.50	57.45	50.00	46.10
September-2023	PM <sub>10</sub>	Max	58.70	64.70	77.40	68.40	60.20	52.60
		Min	47.20	45.60	55.20	44.20	40.10	40.40
		Avg	57.95	55.15	66.30	56.30	50.15	46.50
<b>Particulate Matter (PM<sub>2.5</sub>)</b>								
April-2023	PM <sub>2.5</sub>	Max	32.60	30.60	34.60	36.50	32.50	29.20
		Min	21.90	20.40	24.10	22.10	22.10	22.40
		Avg	27.25	25.50	29.35	29.30	27.30	25.80
May-2023	PM <sub>2.5</sub>	Max	34.60	37.20	40.20	38.90	37.60	38.40
		Min	20.80	20.80	30.70	21.70	22.10	21.80
		Avg	27.70	29.00	35.45	30.30	29.85	30.10
June-2023	PM <sub>2.5</sub>	Max	31.90	34.20	40.60	38.40	32.10	31.60
		Min	20.10	20.40	31.50	27.30	22.70	20.70
		Avg	26.00	27.30	36.05	32.85	27.40	26.15
July-2023	PM <sub>2.5</sub>	Max	32.90	29.80	35.10	34.60	27.90	26.60
		Min	22.10	20.60	25.40	22.60	20.60	20.10
		Avg	27.50	25.20	30.25	28.60	24.25	23.35
August-2023	PM <sub>2.5</sub>	Max	30.10	32.70	38.40	34.80	31.40	25.40
		Min	20.30	20.10	28.40	25.10	20.10	20.40
		Avg	25.20	26.40	33.40	29.95	25.75	22.90
September-2023	PM <sub>2.5</sub>	Max	32.10	32.10	40.10	34.70	30.10	28.40
		Min	20.60	21.80	27.10	21.20	20.60	20.30
		Avg	26.35	26.95	33.60	27.95	25.35	24.35

# Mitra S. K. Private Limited

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F : (0674) 2362918

## AMBIENT AIR QUALITY MONITORING REPORT (April 2023-September 2023)

MONTH			COLONY	KANAKA	JETTY	BMH	DOSINGA	BHITARKANIKA
April-2023	SO <sub>2</sub>	Max	7.60	7.60	8.60	7.90	7.80	7.60
		Min	6.10	6.10	6.30	6.20	6.10	6.10
		Avg	6.85	6.85	7.45	7.05	6.95	6.85
May-2023	SO <sub>2</sub>	Max	7.40	7.80	9.10	7.80	7.60	8.20
		Min	6.10	6.10	7.20	6.30	6.20	6.20
		Avg	6.75	6.95	8.15	7.05	6.90	7.20
June-2023	SO <sub>2</sub>	Max	7.50	7.60	9.10	8.10	7.30	7.90
		Min	6.10	6.20	6.70	6.20	6.40	6.20
		Avg	6.80	6.90	7.90	7.15	6.85	7.05
July-2023	SO <sub>2</sub>	Max	7.60	7.50	8.40	7.80	7.80	7.40
		Min	6.10	6.20	6.10	6.50	6.10	6.10
		Avg	6.85	6.85	7.25	7.15	6.95	6.75
August-2023	SO <sub>2</sub>	Max	8.20	8.40	7.80	7.90	7.70	7.60
		Min	6.40	6.20	6.90	6.50	6.10	6.10
		Avg	7.30	7.30	7.35	7.20	6.90	6.85
September-2023	SO <sub>2</sub>	Max	8.10	7.70	8.70	7.50	7.60	7.40
		Min	6.20	6.10	6.40	6.20	6.20	6.10
		Avg	7.15	6.90	7.55	6.85	6.90	6.75
Oxides of Nitrogen ( NOx)								
April-2023	NOx	Max	28.10	29.70	30.80	32.90	31.20	27.40
		Min	17.40	16.80	20.60	21.70	19.80	20.10
		Avg	22.75	23.25	25.70	27.30	25.50	23.75
May-2023	NOx	Max	32.10	33.40	36.90	32.40	30.40	33.40
		Min	16.50	14.80	28.60	16.80	18.70	17.60
		Avg	24.30	24.10	32.75	24.60	24.55	25.50
June-2023	NOx	Max	26.40	32.10	40.40	34.60	27.20	30.10
		Min	14.70	15.10	27.20	20.20	18.80	15.40
		Avg	20.55	23.60	33.80	27.40	23.00	22.75
July-2023	NOx	Max	26.90	27.50	33.40	30.10	22.50	23.40
		Min	17.40	15.60	26.20	19.70	16.90	17.50
		Avg	22.15	21.55	29.80	24.90	19.70	20.45
August-2023	NOx	Max	29.60	29.40	34.20	28.90	28.10	20.70
		Min	14.70	18.70	20.90	20.90	16.90	15.70
		Avg	22.15	24.05	27.55	24.90	22.50	18.20
September-2023	NOx	Max	27.40	29.80	36.70	30.50	27.40	24.80
		Min	14.70	17.40	23.10	17.40	16.70	16.40
		Avg	21.05	23.60	29.90	23.95	22.05	20.60

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## AMBIENT AIR QUALITY MONITORING REPORT (April 2023 -September 2023)

MONTH	PARAMETERS	COLONY	KANAKA PRASAD	JETTY	BMH	DOSINGA	BHITARKANIKA	
April-2023	CO	Max	0.66	0.72	0.84	0.75	0.61	0.64
		Min	0.44	0.54	0.47	0.52	0.44	0.42
		Avg	0.55	0.63	0.65	0.63	0.52	0.53
May-2023	CO	Max	0.75	0.67	0.84	0.74	0.66	0.77
		Min	0.49	0.47	0.64	0.55	0.40	0.56
		Avg	0.62	0.57	0.74	0.64	0.53	0.66
June-2023	CO	Max	0.63	0.71	0.84	0.63	0.61	0.59
		Min	0.42	0.52	0.56	0.44	0.45	0.40
		Avg	0.52	0.61	0.70	0.53	0.53	0.49
July-2023	CO	Max	0.75	0.66	0.84	0.77	0.62	0.66
		Min	0.48	0.41	0.57	0.50	0.42	0.48
		Avg	0.61	0.53	0.70	0.63	0.52	0.57
August-2023	CO	Max	0.74	0.77	0.84	0.78	0.64	0.62
		Min	0.49	0.44	0.57	0.46	0.44	0.40
		Avg	0.61	0.60	0.70	0.62	0.54	0.51
September-2023	CO	Max	0.59	0.78	0.84	0.69	0.60	0.58
		Min	0.40	0.42	0.56	0.42	0.44	0.40
		Avg	0.49	0.60	0.70	0.55	0.52	0.49
Ammonia (NH <sub>3</sub> )								
April-2023	NH <sub>3</sub>	Max	21.50	28.50	28.90	29.70	32.40	26.40
		Min	12.60	12.40	18.70	17.10	13.40	13.50
		Avg	17.05	20.45	23.80	23.40	22.90	19.95
May-2023	NH <sub>3</sub>	Max	26.40	29.50	32.70	28.50	32.10	30.60
		Min	12.60	12.10	21.80	13.40	14.50	13.60
		Avg	19.50	20.80	27.25	20.95	23.30	22.10
June-2023	NH <sub>3</sub>	Max	24.50	29.60	35.60	30.50	23.40	24.50
		Min	12.40	12.40	21.60	13.80	12.30	13.10
		Avg	18.45	21.00	28.60	22.15	17.85	18.80
July-2023	NH <sub>3</sub>	Max	26.50	24.10	29.70	25.40	20.20	22.80
		Min	12.80	12.80	17.40	13.70	12.40	12.90
		Avg	19.65	18.45	23.55	19.55	16.30	17.85
August-2023	NH <sub>3</sub>	Max	21.40	22.70	32.90	31.60	22.10	22.10
		Min	12.70	13.70	20.90	14.70	14.20	12.80
		Avg	17.05	18.20	26.90	23.15	18.15	17.45
September-2023	NH <sub>3</sub>	Max	22.80	25.60	33.10	25.60	23.10	22.10
		Min	12.80	12.90	19.80	13.40	12.60	12.20
		Avg	17.80	19.25	26.45	19.50	17.85	17.15



## AMBIENT AIR QUALITY MONITORING REPORT

(April 2023 -September 2023)

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

MONTH	PARAMETERS	COLONY	KANAKA PRASAD	JETTY	BMH	DOSINGA	BHITARKANIKA
April-2023	O <sub>3</sub>	Max	<20.0	<20.0	<20.0	<20.0	<20.0
		Min	<20.0	<20.0	<20.0	<20.0	<20.0
		Avg	<20.0	<20.0	<20.0	<20.0	<20.0
May-2023	O <sub>3</sub>	Max	<20.0	<20.0	<20.0	<20.0	<20.0
		Min	<20.0	<20.0	<20.0	<20.0	<20.0
		Avg	<20.0	<20.0	<20.0	<20.0	<20.0
June-2023	O <sub>3</sub>	Max	<20.0	<20.0	<20.0	<20.0	<20.0
		Min	<20.0	<20.0	<20.0	<20.0	<20.0
		Avg	<20.0	<20.0	<20.0	<20.0	<20.0
July-2023	O <sub>3</sub>	Max	<20.0	<20.0	<20.0	<20.0	<20.0
		Min	<20.0	<20.0	<20.0	<20.0	<20.0
		Avg	<20.0	<20.0	<20.0	<20.0	<20.0
August-2023	O <sub>3</sub>	Max	<20.0	<20.0	<20.0	<20.0	<20.0
		Min	<20.0	<20.0	<20.0	<20.0	<20.0
		Avg	<20.0	<20.0	<20.0	<20.0	<20.0
September-2023	O <sub>3</sub>	Max	<20.0	<20.0	<20.0	<20.0	<20.0
		Min	<20.0	<20.0	<20.0	<20.0	<20.0
		Avg	<20.0	<20.0	<20.0	<20.0	<20.0
Lead (Pb)							
April-2023	Pb	Max	<0.01	<0.01	<0.01	<0.01	<0.01
		Min	<0.01	<0.01	<0.01	<0.01	<0.01
		Avg	<0.01	<0.01	<0.01	<0.01	<0.01
May-2023	Pb	Max	<0.01	<0.01	<0.01	<0.01	<0.01
		Min	<0.01	<0.01	<0.01	<0.01	<0.01
		Avg	<0.01	<0.01	<0.01	<0.01	<0.01
June-2023	Pb	Max	<0.01	<0.01	<0.01	<0.01	<0.01
		Min	<0.01	<0.01	<0.01	<0.01	<0.01
		Avg	<0.01	<0.01	<0.01	<0.01	<0.01
July-2023	Pb	Max	<0.01	<0.01	<0.01	<0.01	<0.01
		Min	<0.01	<0.01	<0.01	<0.01	<0.01
		Avg	<0.01	<0.01	<0.01	<0.01	<0.01
August-2023	Pb	Max	<0.01	<0.01	<0.01	<0.01	<0.01
		Min	<0.01	<0.01	<0.01	<0.01	<0.01
		Avg	<0.01	<0.01	<0.01	<0.01	<0.01
September-2023	Pb	Max	<0.01	<0.01	<0.01	<0.01	<0.01
		Min	<0.01	<0.01	<0.01	<0.01	<0.01
		Avg	<0.01	<0.01	<0.01	<0.01	<0.01

# Mitra S. K. Private Limited

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[CIN: U51909WB1956PTC023037]



## AMBIENT AIR QUALITY MONITORING REPORT (April 2023 -September 2023)

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

MONTH	PARAMETERS	COLONY	KANAKA PRASAD	JETTY	BMH	DOSINGA	BHITARKANIKA
April-2023	Ni	Max	<5.0	<5.0	<5.0	<5.0	<5.0
		Min	<5.0	<5.0	<5.0	<5.0	<5.0
		Avg	<5.0	<5.0	<5.0	<5.0	<5.0
May-2023	Ni	Max	<5.0	<5.0	<5.0	<5.0	<5.0
		Min	<5.0	<5.0	<5.0	<5.0	<5.0
		Avg	<5.0	<5.0	<5.0	<5.0	<5.0
June-2023	Ni	Max	<5.0	<5.0	<5.0	<5.0	<5.0
		Min	<5.0	<5.0	<5.0	<5.0	<5.0
		Avg	<5.0	<5.0	<5.0	<5.0	<5.0
July-2023	Ni	Max	<5.0	<5.0	<5.0	<5.0	<5.0
		Min	<5.0	<5.0	<5.0	<5.0	<5.0
		Avg	<5.0	<5.0	<5.0	<5.0	<5.0
August-2023	Ni	Max	<5.0	<5.0	<5.0	<5.0	<5.0
		Min	<5.0	<5.0	<5.0	<5.0	<5.0
		Avg	<5.0	<5.0	<5.0	<5.0	<5.0
September-2023	Ni	Max	<5.0	<5.0	<5.0	<5.0	<5.0
		Min	<5.0	<5.0	<5.0	<5.0	<5.0
		Avg	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic (As)							
April-2023	As	Max	<1.0	<1.0	<1.0	<1.0	<1.0
		Min	<1.0	<1.0	<1.0	<1.0	<1.0
		Avg	<1.0	<1.0	<1.0	<1.0	<1.0
May-2023	As	Max	<1.0	<1.0	<1.0	<1.0	<1.0
		Min	<1.0	<1.0	<1.0	<1.0	<1.0
		Avg	<1.0	<1.0	<1.0	<1.0	<1.0
June-2023	As	Max	<1.0	<1.0	<1.0	<1.0	<1.0
		Min	<1.0	<1.0	<1.0	<1.0	<1.0
		Avg	<1.0	<1.0	<1.0	<1.0	<1.0
July-2023	As	Max	<1.0	<1.0	<1.0	<1.0	<1.0
		Min	<1.0	<1.0	<1.0	<1.0	<1.0
		Avg	<1.0	<1.0	<1.0	<1.0	<1.0
August-2023	As	Max	<1.0	<1.0	<1.0	<1.0	<1.0
		Min	<1.0	<1.0	<1.0	<1.0	<1.0
		Avg	<1.0	<1.0	<1.0	<1.0	<1.0
September-2023	As	Max	<1.0	<1.0	<1.0	<1.0	<1.0
		Min	<1.0	<1.0	<1.0	<1.0	<1.0
		Avg	<1.0	<1.0	<1.0	<1.0	<1.0

# Mitra S. K. Private Limited

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[CIN: U51909WB1956PTC023037]



## AMBIENT AIR QUALITY MONITORING REPORT (April 2023 September 2023)

T : (0674) 2360917, 9777450189

F : (0674) 2362910

MONTH	PARAMETERS	COLONY	KANAKA PRASAD	JETTY	BMH	DOSINGA	BHITARKANIKA
April-2023	C <sub>6</sub> H <sub>6</sub>	Max	<4.2	<4.2	<4.2	<4.2	<4.2
		Min	<4.2	<4.2	<4.2	<4.2	<4.2
		Avg	<4.2	<4.2	<4.2	<4.2	<4.2
May-2023	C <sub>6</sub> H <sub>6</sub>	Max	<4.2	<4.2	<4.2	<4.2	<4.2
		Min	<4.2	<4.2	<4.2	<4.2	<4.2
		Avg	<4.2	<4.2	<4.2	<4.2	<4.2
June-2023	C <sub>6</sub> H <sub>6</sub>	Max	<4.2	<4.2	<4.2	<4.2	<4.2
		Min	<4.2	<4.2	<4.2	<4.2	<4.2
		Avg	<4.2	<4.2	<4.2	<4.2	<4.2
July-2023	C <sub>6</sub> H <sub>6</sub>	Max	<4.2	<4.2	<4.2	<4.2	<4.2
		Min	<4.2	<4.2	<4.2	<4.2	<4.2
		Avg	<4.2	<4.2	<4.2	<4.2	<4.2
August-2023	C <sub>6</sub> H <sub>6</sub>	Max	<4.2	<4.2	<4.2	<4.2	<4.2
		Min	<4.2	<4.2	<4.2	<4.2	<4.2
		Avg	<4.2	<4.2	<4.2	<4.2	<4.2
September-2023	C <sub>6</sub> H <sub>6</sub>	Max	<4.2	<4.2	<4.2	<4.2	<4.2
		Min	<4.2	<4.2	<4.2	<4.2	<4.2
		Avg	<4.2	<4.2	<4.2	<4.2	<4.2
<b>Benzo Pyrene (BaP)</b>							
April-2023	Bap	Max	<0.5	<0.5	<0.5	<0.5	<0.5
		Min	<0.5	<0.5	<0.5	<0.5	<0.5
		Avg	<0.5	<0.5	<0.5	<0.5	<0.5
May-2023	Bap	Max	<0.5	<0.5	<0.5	<0.5	<0.5
		Min	<0.5	<0.5	<0.5	<0.5	<0.5
		Avg	<0.5	<0.5	<0.5	<0.5	<0.5
June-2023	Bap	Max	<0.5	<0.5	<0.5	<0.5	<0.5
		Min	<0.5	<0.5	<0.5	<0.5	<0.5
		Avg	<0.5	<0.5	<0.5	<0.5	<0.5
July-2023	Bap	Max	<0.5	<0.5	<0.5	<0.5	<0.5
		Min	<0.5	<0.5	<0.5	<0.5	<0.5
		Avg	<0.5	<0.5	<0.5	<0.5	<0.5
August-2023	Bap	Max	<0.5	<0.5	<0.5	<0.5	<0.5
		Min	<0.5	<0.5	<0.5	<0.5	<0.5
		Avg	<0.5	<0.5	<0.5	<0.5	<0.5
September-2023	Bap	Max	<0.5	<0.5	<0.5	<0.5	<0.5
		Min	<0.5	<0.5	<0.5	<0.5	<0.5
		Avg	<0.5	<0.5	<0.5	<0.5	<0.5

For Mitra S.K. Private Limited

*S. K. Kamra*  
Authorized Signatory



## **Annexure – IB**

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



## MARINE WATER QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189 (April 2023 -September 2023) SEPTEMBER-2023  
F : (0674) 2362918

Parameters	Units	S-1	S-2	S-3	S-4	S-5	S-6	S-7
Colour	Hazen	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Odour	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Temperature	Deg C	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Turbidity	N.T.U	42.0	78.0	138.0	78	87	110.0	194.0
pH	---	7.34	6.98	7.12	7.27	7.71	7.54	7.22
Electrical Conductivity	us/cm	17810.0	15820.0	16024.0	26819.0	33720.0	37518.0	32405.0
Salinity	mg/l	6718.0	12110.0	8747.0	19770.0	23890.0	23408.0	21877.0
Total Suspended Solids	mg/l	134.0	160.0	168.0	170.0	129.0	170.0	227.0
Total dissolved solids	mg/l	12461.0	12740.0	12910.0	23818.0	24501.0	26341.0	31907.0
Total Hardness	mg/l	1476.0	1675.0	2305.0	3601.0	4907.0	4674.0	3748.0
Calcium Hardness	mg/l	318.0	347.0	580.0	544.0	687.0	678.0	887.0
Magnesium Hardness	mg/l	1447.0	1475.0	1585.0	3406.0	3471.0	3975.0	2780.0
Chloride (as Cl)	mg/l	7241.0	6747.0	7744.0	15201.0	13970.0	170.0	17521.0
Dissolved Oxygen	mg/l	6.1	6.2	6.2	6.0	6.1	6.4	6.2
Biochemical Oxygen Demand (3 days at 27°C)	mg/l	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chemical Oxygen Demand (COD)	mg/l	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Oil & Grease	mg/l	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Dissolved phosphates (as PO <sub>4</sub> )	mg/l	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Sulphate (as SO <sub>4</sub> )	mg/l	843.0	680.0	657.0	1357.0	1676.0	1289.0	1396.0
Nitrite (as NO <sub>2</sub> )	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate (as NO <sub>3</sub> )	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Nitrogen	mg/l	<0.3	<0.3	5.0	<0.3	2.4	<0.3	<0.3
Total Chromium	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexavalent chromium (as Cr <sup>+6</sup> )	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cadmium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Floating material	mg/l	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Petroleum Hydrocarbon	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

For Mitra S.K. Private Limited

*Syamp*  
Authorized Signatory



# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



## MARINE WATER QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

(April 2023 -September 2023) JUNE-2023

Parameters	Units	S-1	S-2	S-3	S-4	S-5	S-6	S-7
Colour	Hazen	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Odour	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Temperature	Deg C	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Turbidity	N.T.U	48.0	74.0	140.0	89.0	80.0	127.0	180.0
pH	---	7.22	7.28	7.22	7.55	7.75	7.70	7.56
Electrical Conductivity	us/cm	18400.0	16820.0	15814.0	28159.0	30720.0	30878.0	31565.0
Salinity	mg/l	6988.0	11910.0	8907.0	19871.0	24090.0	23158.0	20747.0
Total Suspended Solids	mg/l	129.0	148.0	172.0	160.0	131.0	189.0	220.0
Total dissolved solids	mg/l	11951.0	11840.0	12310.0	24498.0	23901.0	22741.0	31517.0
Total Hardness	mg/l	1506.0	1755.0	2285.0	3601.0	4587.0	4514.0	3608.0
Calcium Hardness	mg/l	322.0	356.0	596.0	544.0	720.0	627.0	874.0
Magnesium Hardness	mg/l	1447.0	1425.0	1515.0	3406.0	3291.0	3805.0	2670.0
Chloride (as Cl)	mg/l	7041.0	6087.0	7694.0	15201.0	13270.0	169.0	16250.0
Dissolved Oxygen	mg/l	6.2	6.1	6.4	6.2	6.2	6.2	6.1
Biochemical Oxygen Demand (3 days at 27°C)	mg/l	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chemical Oxygen Demand (COD)	mg/l	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Oil & Grease	mg/l	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Dissolved phosphates (as PO <sub>4</sub> )	mg/l	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Sulphate (as SO <sub>4</sub> )	mg/l	870.0	720.0	680.0	1257.0	1556.0	1351.0	1402.0
Nitrite (as NO <sub>2</sub> )	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate (as NO <sub>3</sub> )	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Nitrogen	mg/l	<0.3	<0.3	5.0	<0.3	2.4	<0.3	<0.3
Total Chromium	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexavalent chromium (as Cr <sup>+6</sup> )	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cadmium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Floating material	mg/l	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Petroleum Hydrocarbon	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

For Mitra S.K. Private Limited

Authorized Signatory



## **Annexure – IC**



# Mitra S. K. Private Limited

Plot No-887/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

Name & Address of the Customer :  
**THE DHAMRA PORT COMPANY LIMITED,**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

Report No. : BBS/505  
Date : 06.05.2023  
Sample No. : MSKGL/ED/2022-23/04/00650  
Sample Description : Ambient Noise

### Noise Level Monitoring Data

Sl. No	Sampling Date	Sampling Location	Day Leq. Time dB(A)		Night Time Leq. dB(A)	
			Results	LIMIT	Results	LIMIT
1.	01.04.2023	Colony Area (R)	52.7	55	40.1	45
2.	04.04.2023	Kanak Prasad Village (R)	49.5	55	38.8	45
3.	06.04.2023	Near BMH (I)	70.6	75	52.5	70
4.	08.04.2023	Near Jetty (I)	72.9	75	60.7	70
5.	11.04.2023	Dosinga Village (R)	46.3	55	39.4	45
6.	13.04.2023	Near Bhitarkanika (Eco Sensitive Zone)	40.8	50	36.7	40

Noise Limit as per CPCB			
Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time	NOTE : Day Time : 06.00 Hr.-22.00 Hr. Night Time:22.00 Hr.-06.00 Hr.
Industrial Area	75	70	
Commercial Area	65	55	
Residential Area	55	45	
Silence Zone	50	40	

*B. K. Singh*  
Report Prepared by:



For Mitra S. K. Private Limited

*A. K. Rath*  
Authorized Signatory



# Mitra S. K. Private Limited

Plot No-687/242B, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

Name & Address of the Customer :  
**THE DHAMRA PORT COMPANY LIMITED.**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

Report No. : BBS/605  
Date : 05.06.2023  
Sample No. : MSKGL/ED/2023-24/05/00780  
Sample Description : Ambient Noise

### Noise Level Monitoring Data

Sl. No	Sampling Date	Sampling Location	Day Leq. Time dB(A)		Night Time Leq. dB(A)	
			Results	LIMIT	Results	LIMIT
1.	02.05.2023	Colony Area (R)	50.9	55	41.6	45
2.	04.05.2023	Kanak Prasad Village (R)	52.5	55	39.2	45
3.	06.05.2023	Near BMH (I)	67.6	75	55.4	70
4.	09.05.2023	Near Jetty (I)	71.7	75	63.8	70
5.	11.05.2023	Dosinga Village (R)	48.4	55	38.6	45
6.	13.05.2023	Near Bhitarkanika (Eco Sensitive Zone)	40.1	50	36.3	40

### Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

**NOTE :**  
Day Time : 06.00 Hr.-22.00 Hr.  
Night Time:22.00 Hr.-06.00 Hr.

*S. K. Kanyo*  
Report Prepared by:



For Mitra S. K. Private Limited

*A. K. Patra*  
Authorized Signatory

## Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918



### TEST REPORT

Name & Address of the Customer :  
**THE DHAMRA PORT COMPANY LIMITED.**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

Report No. : BBS/405  
Date : 07.07.2023  
Sample No. : MSKGL/ED/2023-24/06/00900  
Sample Description : Ambient Noise

#### Noise Level Monitoring Data

Sl. No	Sampling Date	Sampling Location	Day Leq. Time dB(A)		Night Time Leq. dB(A)	
			Results	LIMIT	Results	LIMIT
1.	03.06.2023	Colony Area (R)	51.8	55	37.8	45
2.	05.06.2023	Kanak Prasad Village (R)	49.5	55	38.1	45
3.	06.06.2023	Near BMH (I)	68.4	75	52.5	70
4.	08.06.2023	Near Jetty (I)	72.1	75	62.2	70
5.	10.06.2023	Dosinga Village (R)	40.4	55	36.1	45
6.	12.06.2023	Near Bhitarkanika (Eco Sensitive Zone)	46.2	50	37.2	40

Noise Limit as per CPCB			
Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time	NOTE : Day Time : 06.00 Hr.-22.00 Hr. Night Time:22.00 Hr.-06.00 Hr.
Industrial Area	75	70	
Commercial Area	65	55	
Residential Area	55	45	
Silence Zone	50	40	

S. Kanungo  
Report Prepared by:



For Mitra S. K. Private Limited

A. K. Das  
Authorized Signatory

## Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

### TEST REPORT

Name & Address of the Customer :  
**THE DHAMRA PORT COMPANY LIMITED.**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

Report No. : BBS/705  
Date : 07.08.2023  
Sample No. : MSKGL/ED/2023-24/07/00910  
Sample Description : Ambient Noise

#### Noise Level Monitoring Data

Sl. No	Sampling Date	Sampling Location	Day Leq. Time dB(A)		Night Time Leq. dB(A)	
			Results	LIMIT	Results	LIMIT
1.	01.07.2023	Colony Area (R)	51.7	55	40.4	45
2.	03.07.2023	Kanak Prasad Village (R)	49.6	55	38.9	45
3.	04.07.2023	Near BMH (I)	65.2	75	53.8	70
4.	08.07.2023	Near Jetty (I)	70.6	75	61.5	70
5.	10.07.2023	Dosinga Village (R)	45.3	55	37.1	45
6.	11.07.2023	Near Bhitarkanika (Eco Sensitive Zone)	43.8	50	36.9	40

#### Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

NOTE :  
Day Time : 06.00 Hr.-22.00 Hr.  
Night Time:22.00 Hr.-06.00 Hr.

Report Prepared by:  
*S. K. Ranga*



For Mitra S. K. Private Limited

*A. K. Raut*  
Authorized Signatory

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**THE DHAMRA PORT COMPANY LIMITED.**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

**Report No. :** BBS/805  
**Date :** 04.09.2023  
**Sample No. :** MSKGL/ED/2023-24/08/00890  
**Sample Description :** Ambient Noise

### Noise Level Monitoring Data

Sl. No	Sampling Date	Sampling Location	Day Leq. Time dB(A)		Night Time Leq. dB(A)	
			Results	LIMIT	Results	LIMIT
1.	01.08.2023	Colony Area (R)	50.5	55	42.1	45
2.	03.08.2023	Kanak Prasad Village (R)	48.6	55	39.6	45
3.	05.08.2023	Near BMH (I)	67.8	75	55.8	70
4.	07.08.2023	Near Jetty (I)	72.3	75	64.2	70
5.	08.08.2023	Dosinga Village (R)	43.5	55	38.5	45
6.	10.08.2023	Near Bhitarkanika (Eco Sensitive Zone)	45.1	50	37.6	40

### Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

**NOTE :**  
Day Time : 06.00 Hr.-22.00 Hr.  
Night Time:22.00 Hr.-06.00 Hr.

*A. K. Pathy*  
Report Prepared by:



For Mitra S. K. Private Limited

*A. K. Pathy*  
Authorized Signatory

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918



## TEST REPORT

Name & Address of the Customer :  
**THE DHAMRA PORT COMPANY LIMITED.**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

Report No. : BBS/405  
Date : 06.10.2023  
Sample No. : MSKGL/ED/2023-24/09/00900  
Sample Description : Ambient Noise

### Noise Level Monitoring Data

Sl. No	Sampling Date	Sampling Location	Day Leq. Time dB(A)		Night Time Leq. dB(A)	
			Results	LIMIT	Results	LIMIT
1.	02.09.2023	Colony Area (R)	52.4	55	36.1	45
2.	04.09.2023	Kanak Prasad Village (R)	47.8	55	37.9	45
3.	07.09.2023	Near BMH (I)	66.5	75	50.1	70
4.	09.09.2023	Near Jetty (I)	70.8	75	60.4	70
5.	11.09.2023	Dosinga Village (R)	42.3	55	39.8	45
6.	12.09.2023	Near Bhitarkanika (Eco Sensitive Zone)	40.7	50	36.4	40

### Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

**NOTE :**  
Day Time : 06.00 Hr.-22.00 Hr.  
Night Time:22.00 Hr.-06.00 Hr.

Report Prepared by:



For Mitra S. K. Private Limited

Authorized Signatory

## **Annexure – ID**

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**THE DHAMRA PORT COMPANY LIMITED**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

**Report No. : BBS/507**  
**Date : 06.05.2023**  
**Sample No. : MSKGL/ED/2022-23/04/00600**  
**Sample Description : VOC Monitoring**

### ANALYSIS

<u>Sl. No</u>	<u>Date of Monitoring</u>	<u>Sampling Location</u>	<u>Method of Analysis</u>	<u>Parameter</u>	<u>Result</u>
1.	02.04.2023	Jetty	NIOSH-1501	Volatile Organic Compound (VOC in mg/m <sup>3</sup> )	<0.008
2.	02.04.2023	Wagon Tippler			<0.008
3.	04.04.2023	Near Silo			<0.008
4.	04.04.2023	Transfer Point			<0.008
5.	05.04.2023	BMH Workshop			<0.008
6.	05.04.2023	Steel Yard			<0.008
7.	06.04.2023	FCC Shed			<0.008
8.	06.04.2023	SS 6 Office			<0.008

*S. K. Ganguly*  
Report Prepared by:



For Mitra S. K. Private Limited

*A. K. Das*  
Authorized Signatory

# Mitra S. K. Private Limited



Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

Name & Address of the Customer :  
**THE DHAMRA PORT COMPANY LIMITED**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

Report No. : BBS/607  
Date : 05.06.2023  
Sample No. : MSKGL/ED/2023-24/05/00900  
Sample Description : VOC Monitoring

### ANALYSIS

<u>Sl. No</u>	<u>Date of Monitoring</u>	<u>Sampling Location</u>	<u>Method of Analysis</u>	<u>Parameter</u>	<u>Result</u>
1.	02.05.2023	Jetty	NIOSH-1501	Volatile Organic Compound ( VOC in mg/m <sup>3</sup> )	<0.008
2.	02.05.2023	Wagon Tippler			<0.008
3.	03.05.2023	Near Silo			<0.008
4.	03.05.2023	Transfer Point			<0.008
5.	04.05.2023	BMH Workshop			<0.008
6.	04.05.2023	Steel Yard			<0.008
7.	06.05.2023	FCC Shed			<0.008
8.	06.05.2023	SS 6 Office			<0.008

*G. Kangra*  
Report Prepared by:



For Mitra S. K. Private Limited

*A.K. Rathi*  
Authorized Signatory



# Mitra S. K. Private Limited



Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**THE DHAMRA PORT COMPANY LIMITED**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

**Report No. :** BBS/407  
**Date :** 07.07.2023  
**Sample No. :** MSKGL/ED/2023-24/06/00900  
**Sample Description :** VOC Monitoring

### ANALYSIS

<u>Sl. No</u>	<u>Date of Monitoring</u>	<u>Sampling Location</u>	<u>Method of Analysis</u>	<u>Parameter</u>	<u>Result</u>
1.	01.06.2023	Jetty	NIOSH-1501	Volatile Organic Compound (VOC in mg/m <sup>3</sup> )	<0.008
2.	01.06.2023	Wagon Tippler			<0.008
3.	03.06.2023	Near Silo			<0.008
4.	03.06.2023	Transfer Point			<0.008
5.	04.06.2023	BMH Workshop			<0.008
6.	04.06.2023	Steel Yard			<0.008
7.	05.06.2023	FCC Shed			<0.008
8.	05.06.2023	SS 6 Office			<0.008

*S. K. Singh*  
Report Prepared by:



For Mitra S. K. Private Limited

*A. K. Raha*  
Authorized Signatory

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**THE DHAMRA PORT COMPANY LIMITED**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

**Report No. :** BBS/707  
**Date :** 07.08.2023  
**Sample No. :** MSKGL/ED/2023-24/07/00680  
**Sample Description :** VOC Monitoring

### ANALYSIS

<u>Sl. No</u>	<u>Date of Monitoring</u>	<u>Sampling Location</u>	<u>Method of Analysis</u>	<u>Parameter</u>	<u>Result</u>
1.	29.07.2023	Jetty	NIOSH-1501	Volatile Organic Compound (VOC in mg/m <sup>3</sup> )	<0.008
2.	29.07.2023	Wagon Tippler			<0.008
3.	30.07.2023	Near Silo			<0.008
4.	30.07.2023	Transfer Point			<0.008
5.	31.07.2023	BMH Workshop			<0.008
6.	31.07.2023	Steel Yard			<0.008

*S. K. Singh*  
Report Prepared by:

For Mitra S. K. Private Limited

*A. K. Pathy*  
Authorized Signatory



# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**THE DHAMRA PORT COMPANY LIMITED**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

**Report No. :** BBS/807  
**Date :** 04.09.2023  
**Sample No. :** MSKGL/ED/2023-24/08/00700  
**Sample Description :** VOC Monitoring

### ANALYSIS

<u>Sl. No</u>	<u>Date of Monitoring</u>	<u>Sampling Location</u>	<u>Method of Analysis</u>	<u>Parameter</u>	<u>Result</u>
1.	01.08.2023	Jetty	NIOSH-1501	Volatile Organic Compound (VOC in mg/m <sup>3</sup> )	<0.008
2.	01.08.2023	Wagon Tippler			<0.008
3.	02.08.2023	Near Silo			<0.008
4.	02.08.2023	Transfer Point			<0.008
5.	03.08.2023	BMH Workshop			<0.008
6.	03.08.2023	Steel Yard			<0.008
7.	05.08.2023	FCC Shed			<0.008
8.	05.08.2023	SS 6 Office			<0.008

*S. K. Patra*  
Report Prepared by:



For Mitra S. K. Private Limited

*A. K. Patra*  
Authorized Signatory

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**THE DHAMRA PORT COMPANY LIMITED**  
AT : DOSINGA, PO : DHAMRA  
DIST : BHADRAK, PIN : 756171 ODISHA

**Report No. :** BBS/407  
**Date :** 06.10.2023  
**Sample No. :** MSKGL/ED/2023-24/09/00900  
**Sample Description :** VOC Monitoring

### ANALYSIS

<u>Sl. No</u>	<u>Date of Monitoring</u>	<u>Sampling Location</u>	<u>Method of Analysis</u>	<u>Parameter</u>	<u>Result</u>
1.	21.09.2023	Jetty	NIOSH-1501	Volatile Organic Compound ( VOC in mg/m <sup>3</sup> )	<0.008
2.	21.09.2023	Wagon Tippler			<0.008
3.	23.09.2023	Near Silo			<0.008
4.	23.09.2023	Transfer Point			<0.008
5.	24.09.2023	BMH Workshop			<0.008
6.	24.09.2023	Steel Yard			<0.008
7.	25.09.2023	FCC Shed			<0.008
8.	25.09.2023	SS 6 Office			<0.008

Report Prepared by:  
*S. K. Ganguly*



For Mitra S. K. Private Limited

*A. K. Patil*  
Authorized Signatory

## **Annexure – IE**

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## STP WATER QUALITY MONITORING REPORT

(April 2023 )

Parameters	Units	15 KLD (Inlet)	15 KLD (Outlet)	25 KLD (Inlet)	25 KLD (Outlet)
pH	---	6.86	7.24	6.81	7.31
Total Suspended Solids	mg/l	30.0	4.0	26.0	<2.5
BOD for 3 days at 27°C	mg/l	42.0	4.4	36.0	6.0
COD	mg/l	96.0	12.0	88.0	15.0
Oil & Grease	mg/l	3.6	<1.4	3.2	<1.4
Ammoniacal Nitrogen	mg/l	0.24	<0.1	0.50	0.14
Total Nitrogen	mg/l	2.9	1.8	3.1	2.1
Faecal Coliform	MPN/100	1400.0	26.0	1100.0	<1.8
Parameters	Units	140 KLD (Inlet)	140 KLD (Outlet)	150 KLD (Inlet)	150 KLD (Outlet)
pH	---	6.91	7.18	6.78	7.22
Total Suspended Solids	mg/l	38.0	<2.5	62.0	<2.5
BOD for 3 days at 27°C	mg/l	46.0	4.8	56.0	4.0
COD	mg/l	112.0	12.0	144.0	10.0
Oil & Grease	mg/l	4.4	<1.4	5.2	<1.4
Ammoniacal Nitrogen	mg/l	0.22	0.13	26.0	1.6
Total Nitrogen	mg/l	7.0	2.8	39.0	5.8
Faecal Coliform	MPN/100	2200.0	<1.8	1700.0	39.0

For Mitra S.K. Private Limited



*S. K. Singh*  
Authorized Signatory

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## STP WATER QUALITY MONITORING REPORT

(May 2023 )

Parameters	Units	15 KLD (Inlet)	15 KLD (Outlet)	25 KLD (Inlet)	25 KLD (Outlet)
pH	----	6.76	7.66	6.92	7.22
Total Suspended Solids	mg/l	28.0	6.0	29.0	<2.5
BOD for 3 days at 27°C	mg/l	46.0	5.9	40.0	4.0
COD	mg/l	102.0	15.8	98.0	14.6
Oil & Grease	mg/l	3.1	<1.4	3.1	<1.4
Ammoniacal Nitrogen	mg/l	1.4	<0.1	0.97	0.24
Total Nitrogen	mg/l	2.6	1.8	2.6	1.4
Faecal Coliform	MPN/100	1550.0	40.0	1370.0	66.0
Parameters	Units	140 KLD (Inlet)	140 KLD (Outlet)	150 KLD (Inlet)	150 KLD (Outlet)
pH	----	6.78	7.32	6.64	7.09
Total Suspended Solids	mg/l	32.0	<2.5	40.0	<2.5
BOD for 3 days at 27°C	mg/l	52.0	7.4	67.0	4.0
COD	mg/l	124.0	19.6	157.0	16.0
Oil & Grease	mg/l	5.1	<1.4	4.8	<1.4
Ammoniacal Nitrogen	mg/l	0.66	0.19	18.0	1.2
Total Nitrogen	mg/l	6.2	2.0	29.0	4.2
Faecal Coliform	MPN/100	1900.0	49.0	1400.0	71.0

For Mitra S.K. Private Limited



*S. K. Singh*  
Authorized Signatory

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## STP WATER QUALITY MONITORING REPORT

(June 2023 )

Parameters	Units	15 KLD (Inlet)	15 KLD (Outlet)	25 KLD (Inlet)	25 KLD (Outlet)
pH	---	6.84	7.10	6.85	7.28
Total Suspended Solids	mg/l	34.0	3.0	42.0	<2.5
BOD for 3 days at 27°C	mg/l	42.0	<2.0	56.0	<2.0
COD	mg/l	104.0	8.0	124.0	4.0
Oil & Grease	mg/l	4.6	<1.4	5.8	<1.4
Ammoniacal Nitrogen	mg/l	18.0	<0.1	21.8	<0.1
Total Nitrogen	mg/l	26.0	2.8	30.6	1.1
Faecal Coliform	MPN/100	1870.0	220.0	1910.0	96.0
Parameters	Units	140 KLD (Inlet)	140 KLD (Outlet)	150 KLD (Inlet)	150 KLD (Outlet)
pH	---	6.76	7.18	6.81	7.33
Total Suspended Solids	mg/l	48.0	<2.5	68.0	6.0
BOD for 3 days at 27°C	mg/l	108.0	<2.0	74.0	7.6
COD	mg/l	4.8	8.0	152.0	18.5
Oil & Grease	mg/l	14.9	<1.4	8.2	<1.4
Ammoniacal Nitrogen	mg/l	20.6	<0.1	24.8	<0.1
Total Nitrogen	mg/l	48.0	1.6	36.2	2.1
Faecal Coliform	MPN/100	2230.0	310.0	2150.0	187.0

For Mitra S.K. Private Limited



*S. K. Prasad*  
Authorized Signatory



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## STP WATER QUALITY MONITORING REPORT

(July 2023 )

Parameters	Units	15 KLD (Inlet)	15 KLD (Outlet)	25 KLD (Inlet)	25 KLD (Outlet)
pH	----	6.92	7.06	6.88	7.26
Total Suspended Solids	mg/l	36.0	4.0	46.0	3.0
BOD for 3 days at 27°C	mg/l	42.0	<2.0	62.0	<2.0
COD	mg/l	116.0	8.0	164.0	8.0
Oil & Grease	mg/l	5.6	<1.4	7.6	<1.4
Ammoniacal Nitrogen	mg/l	4.8	<0.1	5.7	0.39
Total Nitrogen	mg/l	2.9	1.4	3.8	1.1
Faecal Coliform	MPN/100	1470.0	66.0	1290.0	80.0
Parameters	Units	140 KLD (Inlet)	140 KLD (Outlet)	150 KLD (Inlet)	150 KLD (Outlet)
pH	----	6.78	7.32	6.96	7.32
Total Suspended Solids	mg/l	32.0	<2.5	32.0	<2.5
BOD for 3 days at 27°C	mg/l	52.0	7.4	28.0	<2.0
COD	mg/l	124.0	19.6	108.0	4.0
Oil & Grease	mg/l	5.1	<1.4	4.4	<1.4
Ammoniacal Nitrogen	mg/l	0.66	0.19	0.98	0.24
Total Nitrogen	mg/l	6.2	2.0	3.7	1.9
Faecal Coliform	MPN/100	1900.0	49.0	2100.0	57.0



For Mitra S.K. Private Limited

*P. K. Singh*  
Authorized Signatory

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

**STP WATER QUALITY MONITORING REPORT**  
(August 2023 )

Parameters	Units	15 KLD (Inlet)	15 KLD (Outlet)	25 KLD (Inlet)	25 KLD (Outlet)
pH	---	6.73	6.94	6.54	7.02
Total Suspended Solids	mg/l	30.0	8.0	42.0	6.0
BOD for 3 days at 27°C	mg/l	48.0	4.4	70.0	2.8
COD	mg/l	142.0	18.0	188.0	10.0
Oil & Grease	mg/l	6.4	<5.0	8.8	<5.0
Ammoniacal Nitrogen	mg/l	7.8	<0.1	6.2	0.89
Total Nitrogen	mg/l	3.2	1.8	2.9	1.4
Faecal Coliform	MPN/100	1500.0	78.0	1355.0	90.0
Parameters	Units	140 KLD (Inlet)	140 KLD (Outlet)	150 KLD (Inlet)	150 KLD (Outlet)
pH	----	6.81	7.11	6.59	6.98
Total Suspended Solids	mg/l	38.0	4.0	54.0	12.0
BOD for 3 days at 27°C	mg/l	32.0	3.2	60.0	4.0
COD	mg/l	136.0	12.0	152.0	16.0
Oil & Grease	mg/l	5.2	<1.4	7.6	<1.4
Ammoniacal Nitrogen	mg/l	3.9	1.2	0.87	0.66
Total Nitrogen	mg/l	2.6	0.89	2.3	1.0
Faecal Coliform	MPN/100	2140.0	67.0	1870.0	49.0

For Mitra S.K. Private Limited



*S. K. Singh*  
Authorized Signatory

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## STP WATER QUALITY MONITORING REPORT

(September 2023 )

Parameters	Units	15 KLD (Inlet)	15 KLD (Outlet)	25 KLD (Inlet)	25 KLD (Outlet)
pH	----	6.84	7.10	7.76	7.80
Total Suspended Solids	mg/l	34.0	3.0	28.0	<2.5
BOD for 3 days at 27°C	mg/l	42.0	<2.0	16.0	2.7
COD	mg/l	104.0	8.0	80.0	16.0
Oil & Grease	mg/l	<5.0	<5.0	<5.0	<5.0
Ammoniacal Nitrogen	mg/l	18.0	<0.1	16.0	<0.1
Total Nitrogen	mg/l	26.0	2.8	24.0	1.9
Faecal Coliform	MPN/100	1870.0	220.0	1490.0	260.0
Parameters	Units	140 KLD (Inlet)	140 KLD (Outlet)	150 KLD (Inlet)	150 KLD (Outlet)
pH	----	8.06	8.08	7.95	7.44
Total Suspended Solids	mg/l	23.0	<2.5	8.4	4.0
BOD for 3 days at 27°C	mg/l	14.0	2.4	18.0	5.0
COD	mg/l	52.0	12.0	76.0	15.0
Oil & Grease	mg/l	<5.0	<5.0	<5.0	<5.0
Ammoniacal Nitrogen	mg/l	22.6	<0.1	17.4	<0.1
Total Nitrogen	mg/l	44.2	2.1	32.6	1.8
Faecal Coliform	MPN/100	2040.0	450.0	2230.0	190.0

For Mitra S.K. Private Limited



*S. K. Singh*  
Authorized Signatory

# **Annexure - IF**

# Mitra S. K. Private Limited



Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## SURFACE WATER QUALITY MONITORING REPORT

JUNE-2023

Parameters	Units	S-1	S-2
Colour	Hazen	BDL(DL:1.0)	BDL(DL:1.0)
Odour	-	Agreeable	Agreeable
pH at 25°C	-	7.33	7.18
Copper as Cu	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Fluoride as F	mg/l	0.45	0.56
Iron as Fe	mg/l	2.0	2.8
Manganese as Mn	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Phenolic Compound as C6H5OH	mg/l	BDL(DL:0.001)	BDL(DL:0.001)
Selenium as Se	mg/l	BDL(DL:0.005)	BDL(DL:0.005)
Cadmium as Cd	mg/l	BDL(DL:0.001)	BDL(DL:0.001)
Cyanide as CN	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Lead as Pb	mg/l	BDL(DL:0.005)	BDL(DL:0.005)
Mercury as Hg	mg/l	BDL(DL:0.001)	BDL(DL:0.001)
Nickel as Ni	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Arsenic as As	mg/l	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium as Cr	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Zinc as Zn	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Hexavalent Chromium as Cr+6	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Vanadium as V	mg/l	BDL(DL:0.2)	BDL(DL:0.2)
Total Suspended solids	mg/l	98.0	120.0
Temperature	Deg C	25.0	25.0
BOD (3days at 25°C)	mg/l	4.7	3.0
COD	mg/l	38.1	32.5
Oil & Grease	mg/l	BDL(DL:0.1)	BDL(DL:1.4)
Ammonical Nitrogen as N	mg/l	BDL(DL:0.1)	BDL(DL:0.1)
Total Kjeldal Nitrogen as N	mg/l	BDL(DL:0.3)	BDL(DL:0.3)
Sulphide as S	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Total Residual Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)
Dissolved Phosphate as P	mg/l	0.28	BDL(DL:0.05)
Ammonia as NH3	mg/l	BDL(DL:0.1)	BDL(DL:0.1)
Nitrate Nitrogen as NO3	mg/l	1.7	0.79
Bio-assay Test	-	All Fishes are survived in 100% effluent after 96 hrs	All Fishes are survived in 100% effluent after 96 hrs
Particle Size of Suspended Solids	-	Pass through 850µm IS sieve	Pass through 850µm IS sieve
Dissolved Oxygen	mg/l	6.1	5.8

For Mitra S.K. Private Limited



*S. K. Singh*  
Authorized Signatory

# Mitra S. K. Private Limited



Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

T : (0674) 2360917, 9777450189 SURFACE WATER QUALITY MONITORING REPORT

F : (0674) 2362918

SEPTEMBER-2023

Parameters	Units	S-1	S-2
Colour	Hazen	BDL(DL:1.0)	BDL(DL:1.0)
Odour	-	Agreeable	Agreeable
pH at 25°C	-	7.86	7.16
Copper as Cu	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Fluoride as F	mg/l	0.31	0.38
Iron as Fe	mg/l	1.8	2.1
Manganese as Mn	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	mg/l	BDL(DL:0.001)	BDL(DL:0.001)
Selenium as Se	mg/l	BDL(DL:0.005)	BDL(DL:0.005)
Cadmium as Cd	mg/l	BDL(DL:0.001)	BDL(DL:0.001)
Cyanide as CN	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Lead as Pb	mg/l	BDL(DL:0.005)	BDL(DL:0.005)
Mercury as Hg	mg/l	BDL(DL:0.001)	BDL(DL:0.001)
Nickel as Ni	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Arsenic as As	mg/l	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium as Cr	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Zinc as Zn	mg/l	BDL(DL:0.02)	BDL(DL:0.02)
Hexavalent Chromium as Cr+6	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Vanadium as V	mg/l	BDL(DL:0.2)	BDL(DL:0.2)
Total Suspended solids	mg/l	15.0	62.0
Temperature	Deg C	25.0	25.0
BOD (3days at 25°C)	mg/l	2.0	2.5
COD	mg/l	10.0	12.0
Oil & Grease	mg/l	BDL(DL:0.1)	BDL(DL:1.4)
Ammonical. Nitrogen as N	mg/l	BDL(DL:0.1)	BDL(DL:0.1)
Total Kjeldal Nitrogen as N	mg/l	BDL(DL:0.3)	BDL(DL:0.3)
Sulphide as S	mg/l	BDL(DL:0.01)	BDL(DL:0.01)
Total Residual Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)
Dissolved Phosphate as P	mg/l	0.31	BDL(DL:0.05)
Ammonia as NH <sub>3</sub>	mg/l	BDL(DL:0.1)	BDL(DL:0.1)
Nitrate Nitrogen as NO <sub>3</sub>	mg/l	1.4	0.71
Bio-assay Test	-	All Fishes are survived in 100% effluent after 96 hrs	All Fishes are survived in 100% effluent after 96 hrs
Particle Size of Suspended Solids	-	Pass through 850µm IS sieve	Pass through 850µm IS sieve
Dissolved Oxygen	mg/l	6.1	6.2



For Mitra S.K. Private Limited

*S. Sanyal*  
Authorized Signatory

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



## GROUND WATER QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189

April-2023

F : (0674) 2362918

Parameters	Units	TOWNSHIP	RUNNING ROOM	WTP
pH (at 26° C)	---	7.42	7.34	7.56
Sulphate (as SO <sub>4</sub> )	mg/l	52.0	54.0	58.0
Calcium (as Ca)	mg/l	46.0	47.0	48.0
Arsenic (as As)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Lead (as Pb)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Zinc (as Zn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Copper (as Cu)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Mercury (as Hg)	mg/l	BDL(DL:0.0002)	BDL(DL:0.0002)	BDL(DL:0.0002)
Cadmium (as Cd)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Mineral Oil	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)
Fluoride (as F)	mg/l	BDL(DL:0.2)	BDL(DL:0.2)	BDL(DL:0.2)
Colour	Hazen	Agreeable	Agreeable	Agreeable
Odour	---	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Turbidity	N.T.U	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Residual free Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Iron (as Fe)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Chloride (as Cl)	mg/l	92.0	96.0	102.0
Total Dissolved Solids	mg/l	420.0	348.0	448.0
Alkalinity (as CaCO <sub>3</sub> )	mg/l	265.0	268.0	275.0
Aluminium (as Al)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Magnesium (as Mg)	mg/l	22.0	20.0	24.0
Total Hardness	mg/l	202.0	209.0	220.0
Boron (as B)	mg/l	BDL(DL:0.3)	BDL(DL:0.3)	BDL(DL:0.3)
Manganese (as Mn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Nitrate (as NO <sub>3</sub> )	mg/l	BDL(DL:0.4)	BDL(DL:0.4)	BDL(DL:0.4)
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Selenium (as Se)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Silver (as Ag)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Barium (as Ba)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Sulphide (as H <sub>2</sub> S)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Ammonia (as total ammonia-N)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Chloramines	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Nickel (as Ni)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Cyanide (as CN)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Anionic Detergents (as MBAS)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Polynuclear Aromatic Hydrocarbons(as PAH)	mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)
Polychlorinated Biphenyls (PCB)	mg/l	BDL(DL:0.0005)	BDL(DL:0.0005)	BDL(DL:0.0005)
Salinity	mg/l	40.0	48.0	46.0
E. Coli	/100 ml	Not Detected	Not Detected	Not Detected
Total Coliform Organism	/100 ml	Not Detected	Not Detected	Not Detected



For Mitra S. K. Private Limited

Authorized Signatory



# Mitra S. K. Private Limited



Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

## GROUND WATER QUALITY MONITORING REPORT

May-2023

T : (0674) 2360917, 9777450189

F : (0674) 2362918

Parameters	Units	TOWNSHIP	RUNNING ROOM	WTP
pH (at 26° C)	---	7.31	7.49	7.28
Sulphate (as SO <sub>4</sub> )	mg/l	48.0	62.0	50.0
Calcium (as Ca)	mg/l	40.0	50.0	44.0
Arsenic (as As)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Lead (as Pb)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Zinc (as Zn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Copper (as Cu)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Mercury (as Hg)	mg/l	BDL(DL:0.0002)	BDL(DL:0.0002)	BDL(DL:0.0002)
Cadmium (as Cd)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Mineral Oil	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)
Fluoride (as F)	mg/l	BDL(DL:0.2)	BDL(DL:0.2)	BDL(DL:0.2)
Colour	Hazen	Agreeable	Agreeable	Agreeable
Odour	---	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Turbidity	N.T.U	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Residual free Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Iron (as Fe)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Chloride (as Cl)	mg/l	84.0	127.0	116.0
Total Dissolved Solids	mg/l	397.0	412.0	432.0
Alkalinity (as CaCO <sub>3</sub> )	mg/l	174.0	228.0	182.0
Aluminium (as Al)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Magnesium (as Mg)	mg/l	18.0	22.0	26.0
Total Hardness	mg/l	165.0	201.0	220.0
Boron (as B)	mg/l	BDL(DL:0.3)	BDL(DL:0.3)	BDL(DL:0.3)
Manganese (as Mn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Nitrate (as NO <sub>3</sub> )	mg/l	BDL(DL:0.4)	BDL(DL:0.4)	BDL(DL:0.4)
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Selenium (as Se)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Silver (as Ag)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Barium (as Ba)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Sulphide (as H <sub>2</sub> S)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Ammonia (as total ammonia-N)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Chloramines	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Nickel (as Ni)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Cyanide (as CN)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Anionic Detergents (as MBAS)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Polynuclear Aromatic Hydrocarbons (as PAH)	mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)
Polychlorinated Biphenyls (PCB)	mg/l	BDL(DL:0.0005)	BDL(DL:0.0005)	BDL(DL:0.0005)
Salinity	mg/l	38.0	48.0	44.0
E. Coli	/100 ml	Not Detected	Not Detected	Not Detected
Total Coliform Organism	/100 ml	Not Detected	Not Detected	Not Detected



For Mitra S.K. Private Limited

*S. Kamr*  
Authorized Signatory



# Mitra S. K. Private Limited



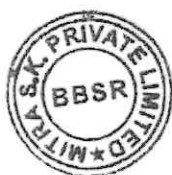
Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]

## GOUND WATER QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189  
F : (0674) 2362918

June - 2023

Parameters	Units	TOWNSHIP	RUNNING ROOM	WTP
pH (at 26° C)	---	7.66	7.22	7.67
Sulphate (as SO <sub>4</sub> )	mg/l	49.0	49.0	51.0
Calcium (as Ca)	mg/l	40.0	38.0	44.0
Arsenic (as As)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Lead (as Pb)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Zinc (as Zn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Copper (as Cu)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Mercury (as Hg)	mg/l	BDL(DL:0.0002)	BDL(DL:0.0002)	BDL(DL:0.0002)
Cadmium (as Cd)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Mineral Oil	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)
Fluoride (as F)	mg/l	BDL(DL:0.2)	BDL(DL:0.2)	BDL(DL:0.2)
Colour	Hazen	Agreeable	Agreeable	Agreeable
Odour	---	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Turbidity	N.T.U	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Residual free Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Iron (as Fe)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Chloride (as Cl)	mg/l	210.0	87.0	121.0
Total Dissolved Solids	mg/l	480.0	374.0	398.0
Alkalinity (as CaCO <sub>3</sub> )	mg/l	196.0	250.0	241.0
Aluminium (as Al)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Magnesium (as Mg)	mg/l	29.0	18.0	24.8
Total Hardness	mg/l	196.0	197.0	210.0
Boron (as B)	mg/l	BDL(DL:0.3)	BDL(DL:0.3)	BDL(DL:0.3)
Manganese (as Mn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Nitrate (as NO <sub>3</sub> )	mg/l	BDL(DL:0.4)	BDL(DL:0.4)	BDL(DL:0.4)
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Selenium (as Se)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Silver (as Ag)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Barium (as Ba)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Sulphide (as H <sub>2</sub> S)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Ammonia (as total ammonia-N)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Chloramines	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Nickel (as Ni)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Cyanide (as CN)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Anionic Detergents (as MBAS)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Polynuclear Aromatic Hydrocarbons(as PAH)	mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)
Polychlorinated Biphenyls (PCB)	mg/l	BDL(DL:0.0005)	BDL(DL:0.0005)	BDL(DL:0.0005)
Salinity	mg/l	45.0	47.0	42.0
E. Coli	/100 ml	Not Detected	Not Detected	Not Detected
Total Coliform Organism	/100 ml	Not Detected	Not Detected	Not Detected



For Mitra S.K. Private Limited

Authorized Signatory

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



## GROUND WATER QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189

F : (0674) 2362918

July - 2023

Parameters	Units	TOWNSHIP	RUNNING ROOM	WTP
pH (at 25° C)	---	7.06	7.18	7.12
Sulphate (as SO <sub>4</sub> )	mg/l	51.0	62.0	70.0
Calcium (as Ca)	mg/l	46.0	52.0	56.0
Arsenic (as As)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Lead (as Pb)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Zinc (as Zn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Copper (as Cu)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Mercury (as Hg)	mg/l	BDL(DL:0.0002)	BDL(DL:0.0002)	BDL(DL:0.0002)
Cadmium (as Cd)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Mineral Oil	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)
Fluoride (as F)	mg/l	BDL(DL:0.2)	BDL(DL:0.2)	BDL(DL:0.2)
Colour	Hazen	Agreeable	Agreeable	Agreeable
Odour	---	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Turbidity	N.T.U	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Residual free Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Iron (as Fe)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Chloride (as Cl)	mg/l	102.0	118.0	112.0
Total Dissolved Solids	mg/l	365.0	438.0	444.0
Alkalinity (as CaCO <sub>3</sub> )	mg/l	162.0	184.0	174.0
Aluminium (as Al)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Magnesium (as Mg)	mg/l	24.0	27.0	28.0
Total Hardness	mg/l	184.0	175.0	164.0
Boron (as B)	mg/l	BDL(DL:0.3)	BDL(DL:0.3)	BDL(DL:0.3)
Manganese (as Mn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Nitrate (as NO <sub>3</sub> )	mg/l	BDL(DL:0.4)	BDL(DL:0.4)	BDL(DL:0.4)
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Selenium (as Se)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Silver (as Ag)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Barium (as Ba)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Sulphide (as H <sub>2</sub> S)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Ammonia (as total ammonia-N)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Chloramines	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Nickel ( as Ni)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Cyanide (as CN)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Anionic Detergents (as MBAS)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Polynuclear Aromatic Hydrocarbons(as PAH)	mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)
Polychlorinated Biphenyls (PCB)	mg/l	BDL(DL:0.0005)	BDL(DL:0.0005)	BDL(DL:0.0005)
Salinity	mg/l	36.0	46.0	40.0
E. Coli	/100 ml	Not Detected	Not Detected	Not Detected
Total Coliform Organism	/100 ml	Not Detected	Not Detected	Not Detected

For Mitra S. K. Private Limited

*S. K. Singh*  
Authorized Signatory



# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



## GROUND WATER QUALITY MONITORING REPORT

T : (0674) 2360917, 9777450189

F : (0674) 2362918

August - 2023

Parameters	Units	TOWNSHIP	RUNNING ROOM	WTP
pH (at 26° C)	---	7.24	6.98	7.03
Sulphate (as SO <sub>4</sub> )	mg/l	70.0	75.0	73.0
Calcium (as Ca)	mg/l	52.0	56.0	62.0
Arsenic (as As)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Lead (as Pb)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Zinc (as Zn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Copper (as Cu)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Mercury (as Hg)	mg/l	BDL(DL:0.0002)	BDL(DL:0.0002)	BDL(DL:0.0002)
Cadmium (as Cd)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Mineral Oil	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)
Fluoride (as F)	mg/l	BDL(DL:0.2)	BDL(DL:0.2)	BDL(DL:0.2)
Colour	Hazen	Agreeable	Agreeable	Agreeable
Odour	---	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Turbidity	N.T.U	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Residual free Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Iron (as Fe)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Chloride (as Cl)	mg/l	117.0	138.0	122.0
Total Dissolved Solids	mg/l	388.0	418.0	458.0
Alkalinity (as CaCO <sub>3</sub> )	mg/l	172.0	164.0	186.0
Aluminium (as Al)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Magnesium (as Mg)	mg/l	22.0	26.0	28.0
Total Hardness	mg/l	174.0	168.0	150.0
Boron (as B)	mg/l	BDL(DL:0.3)	BDL(DL:0.3)	BDL(DL:0.3)
Manganese (as Mn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Nitrate (as NO <sub>3</sub> )	mg/l	BDL(DL:0.4)	BDL(DL:0.4)	BDL(DL:0.4)
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Selenium (as Se)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Silver (as Ag)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Barium (as Ba)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Sulphide (as H <sub>2</sub> S)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Ammonia (as total ammonia-N)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Chloramines	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Nickel ( as Ni)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Cyanide (as CN)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Anionic Detergents (as MBAS)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Polynuclear Aromatic Hydrocarbons(as PAH)	mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)
Polychlorinated Biphenyls (PCB)	mg/l	BDL(DL:0.0005)	BDL(DL:0.0005)	BDL(DL:0.0005)
Salinity	mg/l	39.0	48.0	44.0
E. Coli	/100 ml	Not Detected	Not Detected	Not Detected
Total Coliform Organism	/100 ml	Not Detected	Not Detected	Not Detected



For Mitra S. K. Private Limited

*S. K. Kamr*  
Authorized Signatory

# Mitra S. K. Private Limited

Plot No-687/2428, Ekamra Villa Square,  
Jaydev Vihar, 1<sup>st</sup> Floor, IRC Village,  
Bhubaneswar, Khordha, Odisha-751015  
[CIN: U51909WB1956PTC023037]



T : (0674) 2360917, 9777450189  
F : (0674) 2362918

## GROUND WATER QUALITY MONITORING REPORT

September - 2023

Parameters	Units	TOWNSHIP	RUNNING ROOM	WTP
pH (at 26° C)	---	7.85	7.81	7.88
Sulphate (as SO <sub>4</sub> )	mg/l	46.0	49.0	53.0
Calcium (as Ca)	mg/l	39.0	44.0	39.0
Arsenic (as As)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Lead (as Pb)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Zinc (as Zn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Copper (as Cu)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Mercury (as Hg)	mg/l	BDL(DL:0.0002)	BDL(DL:0.0002)	BDL(DL:0.0002)
Cadmium (as Cd)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Mineral Oil	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)
Fluoride (as F)	mg/l	BDL(DL:0.2)	BDL(DL:0.2)	BDL(DL:0.2)
Colour	Hazen	Agreeable	Agreeable	Agreeable
Odour	---	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Turbidity	N.T.U	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
Residual free Chlorine	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Iron (as Fe)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Chloride (as Cl)	mg/l	76.0	70.0	74.0
Total Dissolved Solids	mg/l	383.0	368.0	392.0
Alkalinity (as CaCO <sub>3</sub> )	mg/l	156.0	168.0	172.0
Aluminium (as Al)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Magnesium (as Mg)	mg/l	24.0	24.0	26.0
Total Hardness	mg/l	178.0	188.0	182.0
Boron (as B)	mg/l	BDL(DL:0.3)	BDL(DL:0.3)	BDL(DL:0.3)
Manganese (as Mn)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Nitrate (as NO <sub>3</sub> )	mg/l	BDL(DL:0.4)	BDL(DL:0.4)	BDL(DL:0.4)
Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
Selenium (as Se)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Total Chromium	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Silver (as Ag)	mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
Barium (as Ba)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Sulphide (as H <sub>2</sub> S)	mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)
Ammonia (as total ammonia-N)	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Chloramines	mg/l	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)
Nickel (as Ni)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Cyanide (as CN)	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)
Anionic Detergents (as MBAS)	mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
Polynuclear Aromatic Hydrocarbons(as PAH)	mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)
Polychlorinated Biphenyls (PCB)	mg/l	BDL(DL:0.0005)	BDL(DL:0.0005)	BDL(DL:0.0005)
Salinity	mg/l	42.0	45.0	39.0
E. Coli	/100 ml	Not Detected	Not Detected	Not Detected
Total Coliform Organism	/100 ml	Not Detected	Not Detected	Not Detected

For Mitra S.K. Private Limited

Authorized Signatory

