

PRADHAN INDUSTRIES

LAXMIPUR BENEFICIATION PLANT

Environmental Clearance

Stipulated Conditions & Compliance

1st June 2018

Sl. No.	Conditions by SEIAA	COMPLIANCE BY PROJECT PROPONENT
1	The raw material for the beneficiation plant is to be drawn from Bandhamandi Graphite beneficiation plant established within the mining lease area of Bandhamandi Graphite Mines of M/s. Pradhan Industries. This Environmental Clearance is subject to grant of environmental clearance to Bandhamandi Graphite Mines and beneficiation Plant by the MoEF, Govt. of India.	Expansion of Bandhamandi Graphite Mines (Enhancement of Graphite Production from 72,000 TPA to 2,40,000 TPA) over Mine Lease Area of 73.427 Ha. & Expansion of Graphite Beneficiation Plant from 72,000 TPA to 2,40,000 TPA (throughput) got the Environmental Clearance from MoEF, New Delhi vide letter No.: F. No. J-11015/27/2011.IA-II(M), Dtd. 29.09.2015.
2	The applicant (Project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by him in Form – I, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.	Steps have been initiated as proposed. The structural measures are incorporated for necessary control measures. Other measures are being initiated and to be implemented before operation as assured.
3	The applicant will take necessary steps for socio – economic development of the people of the area on need based assessment for providing employment, education, health care, drinking water and sanitation, road and communication facilities.	The project proponent has already approved a budgetary provision for CSR Implementation in various segments as promised. A detailed need based assessment of the local people will be carried out after the reopening of the plant, based on which appropriate initiatives will be taken to implement the activities as stated within the CSR framework.
4	The applicant will comply to the points, concern and issues raised by the people during public hearing on 15.02.2014 in accordance with the commitments made by him thereon.	The project proponent stand committed to the commitments given on 15.02.2014 for the benefit of the local people and the development of the local area which will be undertaken after re-opening of the plant.
5	The applicant will take statutory clearance / approval / permission from the concerned authorities in respect of his project as and when required.	Agreed to follow this instruction as and when required. In the meanwhile we have obtained Consent to Establish from OSPCCB, Odisha vide letter No.: 2849, Dtd. 04.08.2015.
6	For post environmental clearance monitoring, the applicant will submit half yearly compliance report in respect of the stipulated terms and conditions of Environmental Clearance including results of monitored data (both in hard copies as well as by e-mail) to the State Environmental Impact Assessment Authority (SEIAA) Odisha, Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB on 1 st June and 1 st December of each calendar year.	Agreed and compliance will be submitted as stipulated after resuming plant operation.

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7	The effluent generated from beneficiation process shall be treated and completely recycled with make-up water in the beneficiation process.	The necessary plans have been approved by the management and shall be implemented before re-opening of the Plant.
8	The overflow from tailing pond shall be treated with oil separation unit and in settling pond and reused in process. The seepage from tailing pond area shall be collected through garland / toe drain and shall be treated in settling pond and reused for dust suppression.	The implementation of the recirculation of waste water system will be carried out before reopening of the operation and the necessary structures are in preparatory phase for its fullfledged implementation.
9	The tailing pond shall be designed suitably with reclamation of clarified water and control of seepage water shall be provided by constructing seepage water collection ditch at the downstream side alongwith the recirculation facilities. De-silting of tailings shall be carried out periodically before onset of monsoon.	Agreed and compliance will be submitted as stipulated.
10	Maintenance of roads through which transportation of minerals are undertaken shall be carried out by the project proponent regularly at its own cost.	The Roads inside the plant shall be maintained and developed by the project proponent. However, the plant is already connected with State Highway No. 4 which is being maintained by PWD department, State Govt. of Odisha.
11	The tailings from the plant shall be disposed at the earmarked site, which shall be above highest water table and adequate measures shall be taken to prevent any leaching from the disposal site into groundwater. Efforts shall also be made to gainfully utilization of tailings generated in an environmentally compatible manner.	Agreed and appropriate tailing management practice will be adopted for eliminating the risk of ground water and soil contaminations within the containment area of the disposal site.
12	Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records shall be submitted to the SEIAA, Odisha.	This will be a part of our bi-yearly compliance report and shall be effected after resuming the operation.
13	Transportation of tailings shall be done by lining the trucks so that it shall not drip and make the public road in suitable for general traffic.	The tailings in form of slurry shall be pumped from the plant site to the tailing pond through pipe line which is just adjacent to the plant and in the opposite side of the public road and therefore no inconvenience shall be caused to the general traffic. Due permission for Road crossing has already been taken from the competent authority.

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14	<p>At least four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e., PM₁₀) and NOx monitoring. Location of the station should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board once in six months. The proponent shall upload the status compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely; SPM, RSPM, NOx 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.</p>	<p>This will be a part of our bi-yearly compliance report and same shall be effected after resuming the operation.</p>
15	<p>A green belt of adequate width and density preferably with local species along the periphery of the plant and alongside roads etc., shall be raised so as to provide protection against particulates and noise. It must be ensured that at least 33% of the total land area shall be under permanent green cover. The project proponent shall ensure proper maintenance of green belt throughout the year and for this purpose they may engage professionals in this field for creation and maintenance of the green belt. An action plan for this purpose shall be prepared accordingly and submitted to the SEIAA, Odisha.</p>	<p>The project proponent has already engaged a consultant firm for maintenance of green belt and action plan for green belt. Green belt plan is attached in our last compliance 1st June 2015 for your information.</p>
16	<p>Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations should be provided with ear plugs / muffs.</p>	<p>Agreed and compliance will be submitted as stipulated after re-opening of the plant.</p>
17	<p>As part of ambient air quality monitoring during operational phase of the project, the air samples shall also be analyzed for their mineralogical composition and records maintained.</p>	<p>Agreed and compliance will be submitted as stipulated after re-opening of the plant.</p>

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18	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Steps have been initiated. Necessary measures will be taken prior to Operation of the Plant.
19	Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral / dust takes place.	Agreed and guidelines will be followed after re-opening of the plant.
20	Monitoring of ground and surface water quality shall be regularly conducted and records should be maintained and data shall be submitted regularly to the SEIAA, Odisha.	Agreed and compliance will be submitted as stipulated.
21	Provision shall be made for the housing of the labourers 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 projects.	All the labourers are from the local area. Hence no worker stays within the plant area after attending their shift duty. However, canteen, toilets & safe drinking water facilities are being provided within the premises for workers comfort and well being.
22	Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV and health effects on exposure to mineral dust etc. shall be carried out. The Proponent shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers as well as local people on impact of mining on their health water conservation and quality sanitation and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required. Occupational Health Centre shall be established near the mine site itself.	There is a Government Primary Health Center 300 mtr away from the plant which will take care of day-to-day medical needs of the labourers. Moreover regular medical checkups are being conducted by a Certified Medical Practitioner and required pre-employment medical checkups are undertaken periodically as recommended by Director of Factories & Boiler, Odisha, whenever the plant is in operation. The above measures shall be continued after re-opening of the plant. Appropriate PPEs are provided to the workers based on their work areas and due ventilation provisions are kept within the work area. These practises shall be continued and improved upon once the plant starts the commencement of operation.
23	The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this funds shall be diverted for other purposes. Year-wise expenditure for this fund should be reported to the SEIAA, Odisha.	Acknowledged and shall be strictly followed.

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24	The project proponent shall obtain necessary prior permission of the competent authorities for drawal of requisite quantity of water required for the project.	Necessary Permission has been obtained for drawl of surface water. Moreover, the application for Additional Surface Water is under the active consideration of Water Resources Department, Govt. of Odisha for catering to production and auxillary use as required under expansion.
25	The project proponent shall prepare wild life conservation plan in consultation with DFO and adequate safety and mitigation measures should be incorporated to protect the wild life, flora, fauna to mitigate adverse impact.	The Wild Life Conservation Plan approved of PCCF, Wildlife Odisha. Vide their letter No.: 1206, Dtd. 08.02.2016 (copy submitted earlier vide our 1st June 2016 compliance).
26	Rainwater harvesting should be adopted. Central Ground water Authority / Board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date of clearance and details shall be furnished to the SEIAA, Odisha.	The Plant does not use ground water. However a Rain Water Harvesting Plan has been prepared by the project proponent with due consultation with Technical Personnel on the subject (copy submitted earlier vide our 1st June 2015 compliance).
27	The Project Proponent should ensure advertising in at least two local news papers widely circulated in the region, one of which shall be in vernacular language informing the Public that, the project has been accorded environment clearance and copies of the clearance letters are available with SEIAA, Odisha and the Odisha State Pollution Control Board (OSPCB) and may also be seen on the website of the board. The advertisement shall be made within 7 (seven) days from the date of issue of the environmental clearance and a copy of the same should be forwarded to the Regional Office of MoEF, Bhubaneswar.	The Project Proponent has published advertisement in two local news Paper, one is The Samaj (Odia version) & another one is The New Indian Express (English Version) on Dtd. 25.01.2015 & Dtd. 26.01.2015 respectively. The same advertisement copies was send to SEIAA, BBSR with copy mark to Principal Secretary, F&E Department, Govt. of Odisha, The Chairman, SPCB, Odisha, BBSR & Chief Conservator of Forest, Regional Office (EZ), MOEF, BBSR vide our letter No.: PI/LPR/EC/375/2015, Dtd. 27.01.2015. (copy submitted earlier vide our 1st June 2015 compliance).
28	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions / representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	A copy of the EC letter has been displayed in notice board of the Plant. A website of the firm is being designed & shall be hoisted soon. The copy of the EC letter has been circulated by the District Development Officer, Koraput to District Environmental Studies, Divisional Forest Officer, Koraput, General Manager (DIC), Jeypore, BDO, Laxmipur and Tahasildar, Laxmipur for information & necessary action. (copy submitted earlier vide our 1st June 2015 compliance).

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29	The environment statement for each financial year ending 31 st March in form –V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by E-mail.	The Project Proponent has submitted the environment statement for the financial year 2017-18 in form - V to OSPCB, Bhubaneswar with copy mark to Regional Officer, SPCB, Rayagada vide letter No.PI/MC/SPCB-06/89/2018, Dtd. 14.05.2018. It will be put in the website as soon as the same is hoisted.
30	Any appeal against this environmental clearance 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.	There is No appeal against this environmental clearance till date.

N.B.:

THE OPERATION OF THE PLANT HAS BEEN STOPPED SINCE 01.01.2012 AND THE SAME HAS NOT YET BEEN RESUMED.