

**COMPLIANCE OF EC CONDITIONS OF DUGDA 2.5 MTPA NLW COAL WASHERY**  
**EC order No. J-11015/114/2014-IA-II (M) dated 27.10.2016**

(For the period from April'2021 to September'2021.

| A.     | Specific Conditions:                                                                                                                                                                                                                                                                                                                                  | Compliance Status                                                                           |
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| (i)    | Special mitigation measures shall be taken to maintain PM <sub>10</sub> levels within the prescribed standards.                                                                                                                                                                                                                                       | Project commissioning is not yet started. At the time of commissioning it will be complied. |
| (ii)   | Washery shall be as per the project report submitted and presented to the EAC. The chosen technology for washery should conform to 'zero Liquid discharge'.                                                                                                                                                                                           | At the time of commissioning it will be complied.                                           |
| (iii)  | Thick green belt of 30-45 m width to be provided around the washery to mitigate/check the dust pollution. A 3- tier avenue plantation should also be developed along vacant areas, storage yards, loading/transfer points, and also along internal roads/main approach roads.                                                                         | At the time of commissioning it will be complied.                                           |
| (iv)   | Transport of raw coal , clean coal, middlings and rejects shall be made by rail with wagon loading through silo.                                                                                                                                                                                                                                      | Will be complied.                                                                           |
| (v)    | Rejects shall be used in power generation for which JV company has been formed between CIL & NTPC.                                                                                                                                                                                                                                                    | Will be complied.                                                                           |
| (vi)   | The old washery existing since last 60 years shall be closed down after commissioning of the new washery.                                                                                                                                                                                                                                             | Will be complied.                                                                           |
| (vii)  | Funds worth Rs. 300 Lakh towards CSR , to be provided against Rs.209.78 Lakh , as was agreed during deliberations.                                                                                                                                                                                                                                    | Will be complied                                                                            |
| (viii) | Waste water shall be effectively treated and recycled either for reuse in washery or maintenance of green belt around the plant.                                                                                                                                                                                                                      | Will be complied                                                                            |
| (ix)   | Hoppers of the coal crushing unit and washery unit shall be fitted with high efficiency bag filters and mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads. | Will be complied                                                                            |
| (x)    | All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned with mechanical sweepers.                                                                                                                                                                                                        | Will be complied                                                                            |
| (xi)   | Records of quantum and ash content of raw coal being washed, and cleaned coal and coal rejects produced from every batch of washing shall be maintained and details thereof uploaded on the company website.                                                                                                                                          | Will be complied                                                                            |
| (xii)  | No groundwater shall be used for the plant Operations. Any additional water requirement envisaged shall be obtained by recycle/refuse to the maximum extent and from rainwater                                                                                                                                                                        | Will be complied                                                                            |

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|           | harvesting measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| (xiii)    | Socio-economic and Welfare measures for the local communities for the adjoining villages shall be implemented under CSR. Activities under CSR activities to be undertaken for the adjoining villages shall be identified in consultation with the local authorities, the details of the status of implementation of CSR and expenditure thereon which should be annually updated on the company website.                                                                                                                         | Will be complied |
| (xiv)     | Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.                                                                                                                                                                                                                                                                                                                                                                                                                 | Will be complied |
| (xv)      | The project authorities shall in consultation with the Panchayats of the local villages and administration identity socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.                                                                                                                                                                                                                                                                                                           | Will be complied |
| (xvi)     | Corporate Environment Responsibility:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |
| a)        | The company shall have a well laid down Environment Policy approved by the Board of Directors.                                                                                                                                                                                                                                                                                                                                                                                                                                   | Complied         |
| b)        | The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.                                                                                                                                                                                                                                                                                                                                     | Will be complied |
| c)        | The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.                                                                                                                                                                                                                                                                                                                                     | Complied         |
| d)        | To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.                                                                                                                                                                                                                                                                                      | Complied         |
| <b>B.</b> | <b>General Conditions:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| i         | No change in process /technology and scope of work shall be made without prior approval of the Ministry of environment, Forests & Climate Change.                                                                                                                                                                                                                                                                                                                                                                                | Will be complied |
| ii.       | No change in the calendar plan of production for quantum of mineral coal shall be made.                                                                                                                                                                                                                                                                                                                                                                                                                                          | Will be complied |
| iii.      | Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> monitoring. Location of the stations shall be decided based on the metrological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months. | Will be complied |
| iv.       | Data on ambient air quality (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> ) and heavy metals such as Hg, As, Ni, Cd, Cr, and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the state Pollution Control                                                                                                                                                                                                                         | Will be complied |

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|       | Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EPA rules, 1986 shall be furnished as part of compliance report.                                                                                                                                                       |                  |
| v.    | Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with ear plugs/muffs.                                                                                                                                                                     | Will be complied |
| vi.   | Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422( E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.                       | Will be complied |
| Vii.  | Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.                                                                                                                                                                                                                  | Will be complied |
| viii. | Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognised under EPA Rules, 1986.                                                                                    | Will be complied |
| ix.   | Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.                                                                                                                                                                                                             | Will be complied |
| x.    | Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contradictions due to exposure to dust and to take corrective measures, if needed and records maintained thereof. The quality of environment due to outstanding and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing. | Will be complied |
| xi.   | A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.                                                                                                                                                                                                    | Will be complied |
| xii.  | The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.                                                                                                                                                        | Will be complied |
| xiii. | The project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy                                                                         | Complied         |

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|        | of the clearance letter is available with the State Pollution Control Board and may also be seen at the website of the Ministry of Environment, Forests & Climate Change at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                      |
| xiv.   | A copy of the environmental clearance letter shall be marked to concern Panchyat/Zila Parishad, Municipal Corporation or Urban Local Body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.                                                                                                                                                                                                                                                                                                                                         | Complied                                                                                                                                             |
| xv.    | A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional office, District Industry sector and Collector's Office/Tehsildar's Office for 30 days.                                                                                                                                                                                                                                                                                                                                                                                              | Complied                                                                                                                                             |
| xvi.   | The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated environmental clearance conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollution such as PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website. | The clearance letter has been uploaded on company's website. Compliance of other conditions will be obeyed after start and operation of the project. |
| xvii.  | The project proponent shall submit six monthly compliance reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of this Ministry, respective Zonal Offices of CPCB and the SPCB.                                                                                                                                                                                                                                                                                                                                                                                        | Complied                                                                                                                                             |
| xviii. | The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.                                                                                                                                                                                                                                                                                                                                                                                           | Complied                                                                                                                                             |
| xix.   | The Environmental statement for each financial year ending 31 March in Form-V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.                                                                                                                                                                                                                  | Will be complied                                                                                                                                     |

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