

**Compliance Report of conditions stipulated in Environmental Clearance**

Name of the Project: Kasnau-Matasukh Lignite Project, District Nagaur

Project Code– Thermal & Coal (Raj-165/243/2000)

Environmental Clearance letter no. J110015/21/99/-IA.II(M) Dated: 19.07.2000

Revalidation of Environmental Clearance dated 29.07.2022

EC Identification No.EC22A042RJ141117

Period of Compliance Report: April 2022 to September 2022

| A.     | Specific Conditions   |  |
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| S. No. | Condition   | Compliance   |
| i      | The entire water requirement (domestic, industrial as well as green belt development) should be met only from the safe category zone i.e. S2 of Jayal Block District, Nagaur.                                       | The entire water requirement (domestic, industrial as well as green belt development) is met with only from Nagaur Lift Canal is utilized for above purposes.                                    |
| ii.    | The project authorities should develop an alternate Charagah land for the villages in lieu of the grazing land to be acquired for the project on priority, in consultation with the State Government at their cost. | Alternate charagah land for villages, in lieu of the grazing land has been acquired & handed over to the Collector, Nagaur.<br>A total of 97.92 Hect. Alternate charagah land has been provided. |
| iii.   | Topsoil should be stacked properly with adequate measures at earmarked site (S). It should be used for reclamation and rehabilitation of mined out areas.   | Topsoil is being stacked separately at earmarked site and is being used for reclamation and rehabilitation of the mined out area & surface O.B. dumps.   |
| iv.    | The flood prone areas should be kept under strict surveillance. Pumps of sufficient capacity and head should be installed at vulnerable locations along with adequate capacity sumps.                               | For strict surveillance, pumps of sufficient capacity are available with the company at mine site.   |
| v.     | Mining and back – filling in both the blocks (Matasukh and Kasnau) should be carried out concurrently.  | Mining and backfilling is being carried out concurrently in Matasukh pit. Kasnau pit working has been suspended due to inrush of underground water in it.  |
| vi.    | OB Dump should be designed properly keeping in view the characteristics of OB and the angle of slope. The overall slope of the OB dumps should be exceeding 28 <sup>0</sup> .                                       | OB dumps are designed properly keeping in view the characteristics of OB and the angle of slope. Overall slope of OB dumps does not exceed 28 <sup>0</sup> .                                     |

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| vii.  | Check dams and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from OB and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de silted and maintained properly.  | After three years of mining operation the back filling is concurrently back filling in the mining pit. At present there is no OB active dump in the mining area. As per the instruction of Directorate of Mines & Geology we are dumping some variegated clay separately (as per mineral conservation rules). OB dumps in the mining area is about 18 years old and are stable. Water collected from the siltation ponds is utilized for spraying on roads, green belt development etc. and drains are regularly maintained properly. |
| viii. | Geo-technical study for slope stability should be carried out and report submitted to the Ministry.   | Earlier Geo-technical studies for slope stability were carried out by Prof.(Retd.) Dr. D.M. Surana of JNV University, Jodhpur. Reports have already been submitted. Recently, in September-2021 Geo-technical study for slope stability has also been carried out by CSIR-CIMFR, Dhanbad.   |
| ix.   | Adequate capacity de-fluorination plant should be installed to meet drinking water requirement of the workers and the township (700 families).  | Water supplied from Nagaur Lift Canal is being utilized for drinking purposes.  |
| x.    | The project site and Nagaur-Didwana highway should be connected by a metallic approach road for transportation of lignite. Both sides of the road should be properly planted and maintained.  | Metallic road from project site to the Nagaur-Didwana highway has been completed and plantation work on both sides of the road is partially completed. Remaining plantation is in progress.   |
| xi.   | Wastewater from domestic and industrial effluent should be suitably treated and reused for industrial purpose. Township should be provided with sewerage treatment plant.   | The wastewater from work shop, whenever generated, will be suitably treated and used for plantation /dust suppression purposes. There is no residential colony/township at mines site.  |
| xii.  | While the mining operation is on, regular monitoring of ground water level and quality should be carried out by establishing a new work of existing wells and constructing new Peizometers. The interval of monitoring should be found times a year – pre monsoon (April / May), monsoon (August), post monsoon (November) and winter (January). MOEF and CGWB. | Monitoring of ground water level and quality are being carried out regularly by establishing a network of existing wells and 4 piezometers.   |
| xiii. | A green belt of-200m. width covering an area of 261 Ha. By planting the   | Green belt development has been taken up in consultation with local DFO, etc. by planting local   |

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