



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/50/89- IA.II dated 09-08-1990

regarding

Silewara Underground Mine located in Village-Silewara, Tehsil-Saoner, District-Nagpur in Maharashtra State

for

**the period from 01/04/2023 TO 30/09/2023
submitted in fulfilment
of the compliance of EC Condition**

**Submitted by:
Office of the Sub Area Manager,
Silewara Sub Area,
Village-Silewara, Tehsil – Saoner,
District- Nagpur in Maharashtra State, India
M/s. Western Coalfields Limited, Nagpur**

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| Sn | Statutory compliance | Compliance/ Status |
|----|--|--|
| i | The concentration of SO ₂ and NO _x shall be checked by taking fresh air samples. The results of sample shall be submitted to MOEF within 3 months so that modification in methodology, if reqd. Can be suggested and incorporated. | <p>Complied.</p> <p>Regular monitoring of air quality is being carried out at 4 different locations fixed in consultation with Regional Office, Nagpur of Maharashtra Pollution Control Board on every fortnight basis as per Environment (Protection) Amendment Rule 2000 and analyzed for SPM, RPM, SO₂& NO_x. Environmental monitoring reports are regularly submitted to the Regional Office of MOEF&CC twice in a year. The observed values are found to be within the prescribed limits. Latest Env't. Mont. Reports for April 2023 to August 2023 are enclosed herewith for your ready reference.</p> <p>(Annex-1, Air Monitoring report).</p> |
| ii | In case of water quality parameter of BOD, COD & Sulphide shall be reckoned by taking freshwater samples. The results of samples shall be submitted to MOEF&CC within three months. | <p>Complied.</p> <p>Project Proponent has submitted the air quality monitoring report to the Ministry vide letter dated 07.11.1990. Samples from mine pumped out water is taken on every fortnight as per Environment (Protection) Amendment Rule 2000 & analyzed for BOD, COD, Sulphates etc. Monitoring reports are submitted to MOEF&CC regularly. The observed values are found within the prescribed limits.</p> <p>Monitoring report from April 2023 to August 2023 is attached.</p> <p>(Annex-2, Water Monitoring report).</p> |

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iii As the sand required for use in the mine during monsoon months will have to be stockpiled near mines, arrangement for stockpiling and transportation of sand shall be furnished in detail to MOEF within 3 months.

Complied.

Details of sand stowing of last 5 years in respect of Silewara colliery.

| Year | Stowed Qty of sand | Stock position for monsoon period |
|---------|--------------------|-----------------------------------|
| 2014-15 | 215323.760 m3 | 63962.320 m3 |
| 2015-16 | 218320.960 m3 | 78294.090 m3 |
| 2016-17 | 144118.140 m3 | 74917.741 m3 |
| 2017-18 | 131351.38 m3 | 35647.141 m3 |
| 2018-19 | 76312.440 m3 | 41279.361 m3 |
| 2019-20 | 80079.920 m3 | 30747.851 m3 |
| 2020-21 | 72176.060 m3 | 399499.491 m3 |
| 2021-22 | 52371.360 m3 | 35874.701 m3 |
| 2022-23 | 36606.220 m3 | 31984.721 m3 |

iv In case any public road is to be used for transport of sand the impact of transport on existing traffic and village/habitation on roadside shall be brought out in a note & submitted to the MOEF within 3 months.

Complied.

Public roads are not used for transportation of sand. The sand transportation road is on separate land acquired by WCL. Hence, there is no impact of sand transportation on surrounding village /habitation.

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| v | The reclamation of the subsided area shall be carried out as per plan incorporated in EMP. | <p>Complied.</p> <p>The voids created in underground mine are filled back in parallel in the de-coaled area with sand stowing process to eliminate chances of subsidence. Subsidence is regularly monitored under guidance of DGMS. Till date no detectable subsidence has occurred. All precautions are being taken to prevent the occurrence of subsidence. Mitigatory measures as stipulated in the EMP will be taken, whenever required.</p> |
| vi | All other pollution control measures listed in EMP will be strictly implemented as per schedule. | <p>Complied.</p> <p>As stipulated in the EMP, following control measures has been implemented & monitored regularly:</p> <p>Control of Air pollution</p> <ul style="list-style-type: none"> i. Water spraying on roads & coal stocks is being done by fixed sprinklers on road / Coal Stock Area. ii. Concrete road of 1.5 Km has been constructed from Silewara Project to Chankapur colony to avoid dust generation during vehicle movement. iii. Around 90% of the produced coal is being transported to TPS Koradi via aerial ropeway mode. (approx. 1.5 KM length.) and rest 10% is being transported via road. iv. Dust suppression arrangement with water spraying on belt & hopper has been provided in the CHP. v. Improved maintenance and Preventive maintenance of plants & machineries is being done regularly. <p>Control of water pollution: Strata seepage water gets accumulated in underground sumps</p> |

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| | | <p>for settlement of fine coal particles. Major part of mine pumped out water is treated in water treatment plant for supplying drinking water to colony & village. Mine water is also used for watering of plants, dust suppression, fire-fighting, sand stowing, etc. The quality of mine pumped out water is being monitored every fortnight. Development of green barrier around colony, industrial areas & along roads:</p> <p>Plantation has been done in the mine lease and in and around area of the mine by the state government agency with maintenance of 4 years. Total plantation done in said mine is 2,13,689 nos.</p> <p>The status of Green Belt development since last two year wise is as below: Till 31.03.2021 total plantation was 2,03,689 nos. Plantation in FY 2021-22 is 10,000 nos. Total plantation done in said mine is 2,13,689 nos.</p> |
| vii | A periodic progress report regarding implementation of control measures shall be submitted to this Ministry every 3 months. | <p>Complied.</p> <p>The progress report regarding implementation of the control measures is being regularly submitted to Regional Office of MOEF&CC twice in a year.</p> |
| viii | The effluent quality will conform to standards prescribed by Central/State PCB under Environment Protection Act, 1986. Sufficient no. of air and Water quality monitoring stations will be set up. | <p>Complied.</p> <p>The mine water is being sampled & analyzed by CMPDI, RI-IV, Nagpur, (NABL Accredited-lab). Observed values conform to prescribed standards. Latest Env't. Mont. Reports for April 2023 to August 2023 are enclosed herewith for your ready reference.</p> <p>(Annex-3, Environment Monitoring report)</p> |

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| ix | Regular monitoring of various Env't. Quality parameters would be carried out by project authorities & results of monitoring would also be included in Qtly. Progress report to be submitted to this Ministry. | <p>Complied.</p> <p>Regular monitoring of Air, Water and Noise is done by collecting samples and analyzing the same in Environmental Laboratory of CMPDI, RI-IV, Nagpur. Results are regularly submitted to MOEF&CC. Latest Env't. Mont. Reports for April 2023 to August 2023 are enclosed here-with for your ready reference.</p> <p>(Annex-1, Air Monitoring report).</p> <p>Reports are submitted to Regional Office, Nagpur, MOEF&CC twice in a year.</p> <p>(Annex-2, Water Monitoring report).</p> |
| x | The project will have an environment cell for monitoring quality of water, air, solid wastes, greening and other action plans for protection of environment. | <p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p><u>At HQ, WCL</u>- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p><u>At Area level</u> – Area General Manager heads the Environment Department assisted by GM (Oprn), & Area Nodal Officer (Environment) of Environment discipline.</p> <p><u>At Unit Level</u>-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company is available at link</p> |

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| | | http://www.westerncoal.in/index1.php/StaticPage/123 and also attached. (Annexure-4, Organizational Chart of WCL) |
| xi | The Ministry reserves the right to stipulate any other conditions subsequently if need rises in the interest of Env't. Protection. | PP has consented to the condition. |
| xii | The implementation of these conditions & safeguards will be ensured among others under the Environmental Protection Act, 1986. | PP has consented to the condition. |



(Ajit Halder)

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Silewara Sub Area, Nagpur Area.

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सिलेवारा उप क्षेत्र
Silewara Sub Area



(Rajesh Kumar Awadhiya)
Sr. Manager (Mining)/ Mine Manager,
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Silewara Sub Area, Nagpur Area.

COLLIERY MANAGER
WCL, SILEWARA COLLIERY