

JAYASWAL NECO INDUSTRIES LTD

CIN : L28920MH1972PLC016154

(STEEL PLANT DIVISION)

SILTARA GROWTH CENTRE, BILASPUR ROAD, SILTARA, RAIPUR - 493111 (C.G.) - INDIA

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JNIL/ENV/Manpur/2023/ 74

Date: 26/05/2023

The Deputy Director General of Forests (Central),
Ministry of Environment, Forest & Climate Change,
Regional Office(Western Central Zone),
Ground Floor East Wing, New Secretariate Building,
Civil Lines, Nagpur-440 001.

Sub :- Regarding compliance for the period 1st October, 2022 to 31st March., 2023 to the conditions of Environment Clearance for Manpur Open cast limestone Mine with production capacity 78,000 TPA, (Lease area-12.145 ha.) located near village - Manpur, Tehsil-Sahaspur Lohara, District-Kabirdham (Chhattisgarh).

Ref :- (i) EC letter No. 905/SEIAA-CG/EC/Mining/RYP/41/08, Raipur Dated 31/07/2014.
(ii) Amendment E.C. vide order No.91/SEIAA, C.G./EC/Lime Stone / Kabirdham/41 Raipur Dated.26/04/2017.

Sir,

This has with reference to the above referred letter for the subject matter. Please find enclosed herewith the Six Monthly Environmental Clearance Compliance Status Report of Manpur Lime Stone Mine-12.145 Ha, Village- Manpur, Tehsil-Sahaspur Lohara, District-Kabirdham(Chhattisgarh) for the period of 1st October, 2022 to 31st March, 2023.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Jayaswal Neco Industries Ltd.


for
Susanta Kumar Moitra
Associate Director

Encl : As above.

CC to :

1. The Member Secretary, Chhattisgarh Environmental Conservation Board, Paryavas Bhavan, North Block Sector-19, Atal Nagar, Raipur(C.G.) 490 099.	2. The M.S. – SEAC, Chhattisgarh, Paryavas Bhavan, North Block Sector-19, Naya Raipur(C.G.) 490 099.
3. The Integrated Regional Officer, MoEF & CC, Govt. of India, Aranya Bhawan, North Block, Sector-19, Nava Raipur, Atal Nagar, Chhattisgarh.	4. The Zonal Officer, Central Pollution Control Board, Sahkar Bhawan, 3 rd Floor, North T.T. Nagar, Bhopal (M.P.).
5. The Regional Officer, Chhattisgarh Environmental Conservation Board, 5/32 Bunglow, Bhilai, District-Durg(C.G.)	

Compliance Status of Environment Clearance
(Period from 1st October, 2022 to 31st March., 2023)

Capacity & Location:- Manpur Opencast Lime stone Mine with production capacity 78,000 TPA, (Lease area-12.145 ha.) issued vide letter 905/SEIAA–CG/EC/Mining/RYP/41/08, Raipur Dated 31/07/2014. located near village - Manpur, Tehsil-Sahaspur Lohara, District-Kabirdham(Chhattisgarh).

EC Letter No:- 905/SEIAA–CG/EC/Mining/RYP/41/08, Raipur Dated 31/07/2014.

Sr. No.	Particulars	Compliance
A.	<u>Specific Conditions</u>	
i.	No two pits shall be simultaneously worked i.e. before the first pit is exhausted and reclamation work completed no mineral bearing area shall be worked. Maximum depth of the mine shall not be more than 10 meters. Underground water table shall not be encountered due to any mining operations under any circumstances.	Agreed.
ii.	After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation are visible during the first year of mining operations in the next pit. This process shall follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any ore bearing area is worked.	Noted.
iii.	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	Noted.
iv.	Fugitive dust suppression shall be controlled. Fugitive dust emission shall be relatively monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and periodic reports shall be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.	Complied, regular monitoring is carried out and report submitted to all govt. office along with monthly/half yearly report.
v.	Project authority shall ensure outlet dust (particulate matter) emission less than 50 mg/NM3. Project authority shall confirm to the standards prescribed in schedule-1 of Environment (Protection) Rules, 1986 (as amended) by Ministry of Environment & Forests, Government of India. The Chhattisgarh Environment Conservation Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emission level shall go beyond the prescribed standards.	This condition is not applicable for mining.

vi.	Shelter belt i.e. wind break of 30m width and consisting of at least 5 tiers around lease facing the school / habitation / agriculture fields (if any in the vicinity) shall be raised.	Compliance assured.
vii.	A 50m barrier of no mining zone all along the side(s) facing the nallah (if any) passing through the lease area of passing adjacent to the lease shall be demarcated and thick vegetation of native species raised in the said barrier. Status of implementation shall be submitted to Chhattisgarh Environment Conservation Board, Raipur Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forest, Government of India, Bhopal half yearly basis.	Compliance done as per the conditions stipulated in the NOC granted by the irrigation department.
viii.	It shall be ensured that no silt originating due to mining activity is transported to the any surface water course running in and around the lease area.	Compliance assured.
ix.	Need based assessment of the nearby villages shall be conducted to study economic measures which can help in up-liftment of poor section of society. Income generating projects/ tools such as development of fodder farm, fruit bearing orchids, vocational training etc. can form a part of such programme, Project authority shall provide separate budget for community development activities and income generating programmes. This shall be addition to vocational training for individuals imparted to take up self-employment and jobs.	Noted.
x.	Project authority shall adopt additional two villages for community development works in order to improve the amenities as a part of commitment towards social and economic up-liftment of the area. As per demand of public, the proposal for providing cement on the concession rates to the local people will be implemented shortly.	Noted.
xi.	Land use pattern of the near-by villages shall be studied and action plan for abatement and compensation for damage to agricultural land / common property land(if any) in the near by villages due to mining activity shall be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal within six months, Annual status of implementation of the plan and expenditure thereon shall be reported to the Chhattisgarh Environment Conservation Board, Raipur. Regional Office Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forest, Govt. of India, Bhopal from time to time.	Noted.
xii.	Maintenance of village roads through which transportation of ores are undertaken shall be carried out by the project authority regularly at its own expenses. The roads shall be black topped.	Compliance assured.

xiii.	<p>Project authority shall adopt rainwater-harvesting technique in the project area for recharge of ground water. The rainwater-harvesting technique shall be incorporated right from the design stage of all structures. Project authority shall develop rainwater harvesting structures to harvest the rainwater for utilization in the lean season as well as to recharge the ground water table. A detailed scheme for rainwater harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority/ State Ground Water Board. A copy of the same shall be submitted within three months to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. Prior permission from the competent authority shall be obtained for extraction of ground water and project authority shall submit permission from Central Ground Water Board for withdrawal of ground water.</p>	<p>Rain water harvesting pond developed. Permission from the competent authority has been obtained for extraction of ground water NOC No – CGWA/NOC/MIN/ORIG/2021/13272, Application no. 21-4/4422/CT/MIN/2021.</p>
xiv.	<p>Measures of prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile mating or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.</p>	<p>No topsoil encountered in the mine area.</p>
xv.	<p>Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de listed at regular intervals Trenches / garlands drains shall be constructed at foot of dumps installed at regular intervals to arrest silt from being carried out top water bodies. Adequate number of check dams and gully plugs shall be constructed across seasonal / perennial nallahs (if any) flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.</p>	<p>Noted.</p>
xvi.	<p>Ground water in the core zone shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur. Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India., Bhopal regularly. Further monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be up and records maintained.</p>	<p>Ground Water Analysis report for the month of Nov, 2022 & Jan, 2023 attached as Annexure-1.</p>

xvii.	Cultivable waste land (within 5 km of the lease) shall be identified and fodder farming or other suitable productive use of waste land shall be taken up in phased manner. Status of implementation shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.	Noted.
xviii.	Adequate protection against dust and other environmental pollution arising due to mining activity shall be made so that human habitation located near the lease (as applicable) are not adversely affected. The status of implementation shall be reported to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests Government of India. Bhopal and work shall be completed before start of mining.	Noted..
xix.	Monitoring of soil samples for assessment of contamination due to mining activity (as applicable) shall be regularly conducted and records maintained.	Noted.
xx.	Transportation of lime stone shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of lime stone / dust takes place.	Complied, transportation of ore is being done with covered vehicle only.
xxi.	Occupational health and safety measures of the workers including identification of work related health hazards, training on materials eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The Project authority shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to repairable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at intervals of five years or less) shall be conducted followed by follow up action where ever required.	Complied, regular medical checkup of the employees is being done.
xxii.	Top soil / soil waste shall be stacked properly with proper slope and adequate safeguards and shall utilized for backfilling (where ever applicable) for reclamation and rehabilitation of mined out areas. Top soil shall be separately stacked for utilizing later for reclamation and shall not be stacked along with overburden.	Please note there is no top soil on the mining lease area as the rocks are exposed in almost all the places.
xxiii.	Overburden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 06 meter and overall slope of the dump shall not exceed 28deg. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.	Compliance assured, OB area is earmarked for storage of OB.

xxiv.	A study shall be commissioned to study the various slope stability parameters to reach at the optimum slope angle. Appropriate factor of safety shall be adopted based on the study and sensitivity analysis of critical parameters of slope stability.	Noted. All safety precautions adopted during the mining operations.
xxv.	Study report on subsidence and stage wise development plan starting from 5 th year of operation till the end of the mine at an interval of 5 years should be submitted. Regular monitoring of subsidence movement on the surface over working area and impact on water bodies / vegetation / structures /surrounding should be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate measures should be taken to avoid loss of life and material. Cracks should be effectively plugged with ballast and clayey soil / suitable material.	Noted.
xxvi.	Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal on six monthly basis.	Noted.
xxvii.	Adequate plantation shall be raised in the mining lease area, haul roads, OB dump sites etc. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agricultural Departments. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. A wide green belt of broad besides tree plantation. A wide green belt of broad leaf local species shall be developed in at least 33% of the project area. The density of the trees shall not be less than 2500 plants per Ha. The Project authority shall involve local people with the help of self help group for plantation programme. Details of year wise afforestation programme including rehabilitation of mines out area shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forest, Government of India, Bhopal every year.	We had planted 150 Nos. saplings Mining Lease area in monsoon season, 225 saplings distributed near by Villages & 25 Nos. saplings done at out side the lease area – during the year – 2022-23. Types of Plants Gulmohar, peltform, Jamun, Khamhar, Karanj, Sitafal & Amla.
xxviii	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year—pre monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forest, Government of India, Bhopal, Central Ground Water Authority and Regional Director, Central Ground	Water Level Ground Monitoring report attached as Annexure- 1.

	Water Board.	
xxix.	Adequate air monitoring stations shall be installed in the areas of human habitations near the mine and the results of ambient air quality shall be maintained and regularly submitted to Chhattisgarh Environment Conservation Board, Raipur Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Environment & Forests, Government of India, Bhopal.	Complied, regular monitoring is being done and monitoring results are submitted to all concern agencies along with Monthly / Half yearly reports.
xxx.	The waste water from the mine shall be treated to conform to the prescribe standards before reuse in different purpose. The discharged water from the settling pond shall be regularly monitored and report submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh, and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal Central Pollution Control Board.	No waste water generated from the mining activity.
xxxi.	Vehicular emissions shall be kept under control and regularly monitored Vehicles used for transportation of ores and ores and others shall have valid permissions as prescribed under Central Motor Vehicles Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of lime stone for transportation shall be committed.	Complied, regular monitoring of vehicle is being done. Transportation is being done only in day time with tarpaulin cover.
xxxii.	Detailed action plan with respect to suggestions / improvements and recommendations made during public consultation / hearing shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh, Government of Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal within six months. Implementation status shall be submitted every six month regularly.	Complied.
xxxiii.	A final mine closure plan, along with details of corpus fund shall be submitted to the SEIAA, Chhattisgarh and Regional Office, Ministry of Environment Forests, Government of India, Bhopal in 5 years in advance of the final mine closure for approval.	Noted..
B.	General Conditions	
i.	No change in mining technology and scope of working shall be without prior approval of SEIAA, Chhattisgarh.	Noted.
ii.	No change in calendar plan including excavation, quantum of mineral and waste shall be made.	Noted.
iii.	Fugitive dust emissions from all the sources shall be controlled regularly Water spaying arrangement on haul roads, loading and at	Complied, regular water spray is done to control

	regular points shall be provided and properly maintained.	fugitive dust emission.
iv.	Four ambient air-quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM2.5, PM10, SO2, NOX monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecology sensitive targets and frequency of monitoring should be undertaken in consultation with the Chhattisgarh Environment Conservation Board.	<p>Since it is an operating mine air monitoring stations are established and data of air quality is monitored on regular intervals and submitted regularly.</p> <p>Air quality monitoring report carried out by NABL Accredited Lab is enclosed for your reference - Annexure-A.</p>
v.	Date of ambient air quality (PM2.5, PM10, SiO2, NOX) should be regularly submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh, Government of Chhattisgarh and Regional Office, Ministry Environment & Forests, Government of India, Bhopal and Central Pollution Control Board once in six months.	Complied, last half yearly report for the period of 1 st April-2022 to 30 th September-2022 is submitted to all concern govt. offices vide our letter No.JNIL/ ENV/ Manpur/ 2022/186 dated 01/12/2022.
vi.	Project authority shall take proper action to control the noise pollution. Workers engaged in operations of HEMM etc. shall be provided with ear plugs, muffs. The noise level shall not exceed the limits 75 dB (A) during the day time and 70 dB (A) during the night time within the mine premises Project authority shall take adequate measures for control of noise level below 85 dB (A) in the work environment. Workers engaged in noisy areas shall be periodically examined to maintain audio metric record and for treatment for any hearing loss including rotating them to non-noisy / less noisy areas.	Noise monitoring report carried out by NABL Accredited Lab is enclosed for your reference - Annexure-B .
vii.	Project authority shall provide adequate facility for proper treatment of industrial effluent mine water and domestic effluent. Project authority shall provide effluent treatment plant. Treated / un-treated effluent collection pond shall be lined suitably to prevent seepage in to ground for avoiding ground water contamination. All the effluent treatment system shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay otherwise similar alternate arrangement shall be made. Project authority shall ensure the treated effluent quality within standard prescribed by Ministry of Environment & Forests, Government of India.	No waste water generated from mines operation.
viii.	Any liquid effluent what so ever generated from industrial and mining activities shall not be discharged in the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process / plantation. All the industrial effluent generated shall be re-circulated / reused after proper treatment. Project authority shall provide sewage treatment plant of adequate capacity for treatment of domestic effluent generated. The un-treated domestic effluent shall not be discharge into the river or any surface water bodies. The treated domestic effluent shall be used	No waste water generated from mines operation.

	for plantation purpose after proper disinfection. Project authority shall make proper arrangements of suitable drains / pipe networks to ensure adequate flow for utilization of treated effluent inside the premises. The concept of zero discharge shall be maintained all the time except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.							
ix.	Project authority shall provide adequate measuring arrangements for the measurement of water utilized in different categories and effluent generated before commissioning of the mining activity.	Complied, monitoring arrangement is provided for water consumption.						
x.	Personal working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.	Complied, necessary PPE's provided to the personals working in dusty areas.						
xi.	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the factories Act and records shall be maintained properly for at-least 30-40 years.	Complied.						
xii.	The project authority shall also comply with all the environmental protection measures and safe guards recommended in the EIA/EMP report.	Compliance assured.						
xiii.	Provisions shall be made for the housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medicinal health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The Mining area is just 12.145 Hectares, where in the entire area is exposed to rocks. No permanent or temporary structure could be created in the mining lease area.						
xiv.	Project authority shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who shall directly report to the head of organization. A full-fledged laboratory with qualified technical/scientific staffs to monitor the influent, ground water, surface water, soil and ambient air quality etc. shall be provided.	Complied, centralized environment cell with full-fledged laboratory is established at Steel Plant Division Raipur for monitoring and analysis of all the parameters.						
xv.	Adequate funds shall be allocated for undertaking CSR activities (community welfare, environmental development activities apart from committed plantation) and in any case it shall not be less than 5% of the royalty along with 10% annual increase in subsequent years. Details of activities shall also be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Environment & Forest, Government of India, Bhopal. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. Piped drinking water, school, development of pastureland for cattle feed and medical	<p>The Funds earmarked for environment protection measures have been kept in separate account. In Environment Statement – 2021-22, Environment Expenditure Rs.59,800.00.</p> <p>Env. Expend.</p> <table border="1"> <thead> <tr> <th>Sr. No</th><th>Year</th><th>Env. Expenditure (Rs.)</th></tr> </thead> <tbody> <tr> <td>1</td><td>1st Oct, 22 to 31st March, 2023.</td><td>Rs.40,200.00</td></tr> </tbody> </table>	Sr. No	Year	Env. Expenditure (Rs.)	1	1 st Oct, 22 to 31 st March, 2023.	Rs.40,200.00
Sr. No	Year	Env. Expenditure (Rs.)						
1	1 st Oct, 22 to 31 st March, 2023.	Rs.40,200.00						

	facilities as desired by Gram Panchayat(s) to be provided. Local labourers shall be given employment in the mines.	
,xvi.	The issuance of this environment clearance does not convey any property rights in either real or personal property, or any exclusive privileges, nor does not authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.	Noted.
xvii.	SEIAA, Chhattisgarh reserves the right to amend / cancel any of the conditions and add new conditions and make further stringent the emission / effluent limit as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.	Noted.
xviii.	Project authority shall ensure the generation of employment in the local areas, recruitment shall be done by inviting applications first from the local residents of the Chhattisgarh State. In case of non-availability of suitable candidates for certain post in the first attempt the project authority may call the applications as second call not only from local residents of the Chhattisgarh State but also from other State.	Noted.
xix.	The project authority shall advertise in at-least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance and copies of clearance letter are available with the Chhattisgarh Environment Conservation Board and may also seen at Website of the Ministry of Environment and Forests at www.envfor.nic.in and website of SEIAA, Chhattisgarh at www.seiaacg.org .	Advertised in two news papers name Dainik Bhaskar and Navbharat dated 06.08.2014.
xx.	Half yearly report on the status of implementation of the stipulated conditions, monitoring data along with statistical interpretation and Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.	Complied, last half yearly report for the period of 1 st April, 2022 to 30 th September, 2022 is submitted to all concern govt. offices vide our letter No. JNIL/ ENV/ Manpur/ 2022/186 dated 01/12/2022.
xxi.	Regional office of the Ministry of Environment and Forests at Bhopal shall monitor the implementation of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report and Environment Management plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.	Compliance assured.
xxii.	The Project Authority shall inform the Regional Office as well as the SEIAA, Chhattisgarh regarding the date of financial closure and final approval of the project by the concerned authorities and the	Noted.

	dates of start of commissioning of plant.	
xxiii.	Full cooperation shall be extended to the Scientists / Officers from the SEIAA, Chhattisgarh, Ministry of Environment & Forests, Government of India / Regional Office, Ministry of Environment & Forests, Government of India, Bhopal / the CPCB / Chhattisgarh Environment Conservation Board, who shall be monitoring the compliance of environment status.	Agreed.
xxiv.	In case of any deviation or alteration in the proposed project from those submitted to this SEIAA, Chhattisgarh for clearance, a fresh reference should be made to the SEIAA, Chhattisgarh to assess the adequacy of the condition(s) imposed and to add additional environment protection measures required, if any. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment & Forests, Government of India, / SEIAA, Chhattisgarh.	Agreed.
xxv.	The Project Authority must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.	Noted.
xxvi.	The above stipulations shall be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) act, 1986 and rules there under, Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules, 2008 and its amendments the Public Liability Insurance Act, 1991 and its amendments.	Noted.
xxvii.	A copy of Clearance letter shall be marked to concerned Panchayat /Local / NGO if any, from whom suggestion / representation has been received while processing the proposal.	Complied. It is informed that the EC letter has been displayed in Panchayats to this condition.
xxviii.	Chhattisgarh Environment Conservation Board shall display a copy of the Clearance letter at the Regional Office, District Trade And Industries Center and Collector's Office / Tehsildar's Office for 30 days.	Complied. It is informed that the EC letter has been displayed in companies to this condition.
xxix.	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.	Noted.

**Amendment Environment Clearance Compliance report vide order No.91/SEIAA,
C.G./EC/Lime Stone / Kabirdham/41 Raipur Dated.26/04/2017.**

S.N o.	Condition	Compliance
1	The capacity of Crushing & Screening Unit shall not be more than 50 TPH.	Noted.
2	For Air Pollution Control in Crushing & Screening Unit, Industry shall install bag filter with suction Hoods. For Control of Fugitive dust emission in Crushing & Screening unit, at transfer points / Junction points fogging system shall be provided and it shall be covered with green net. For dust emission points water sprinkling arrangement shall be provided.	Crusher and Screen unit fully covered and have in built water sprinkling / fogging system for control of dust emission. All transfer points and conveyor belt covered to prevent dust emission.
3	Wind breaking wall shall be constructed in the Crushing & Screening Unit area.	Wind breaking wall provided in the crushing and screen unit.
4	Tree Plantation shall be carried out in the first year itself. In case tree plantation is not carried out, the Environment Clearance issued may be cancelled.	We had planted 150 Nos. saplings Mining Lease area in monsoon season, 225 saplings distributed near by Villages & 25 Nos. saplings done at out side the lease area – during the year – 2022-23. Types of Plants Gulmohar, peltform, Jamun, Khamhar, Karanj, Sitafal & Amla.



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/05122
To, M/s Manpur Lime Stone Mine – (12.145 Ha), Tehsil – SahaspurLohara, Dist. – Kabirdham (C.G.)		LAB REF NO.	UES/22-23/W/011653
		DATE OF SAMPLING	10/11/2022
		DATE OF RECEIPT	11/11/2022
		DATE OF REPORT	15/11/2022
		DATE OF ANALYSIS	START:11/11/2022 END:15/11/2022
SAMPLE DETAILS			
Customer Sample Id / Sampling Location	Manpur Mine Lease Area	Customer Ref. No. & Date	4200001176, DATED - 10/06/2022
Sample Type	Ground Water	Sample Condition At Receipt	Ok
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx 5 Ltr.

REPORT NO.: 05122

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
A.	Organoleptic & Physical Parameters					
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.26
4	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025:(Part-10)	1	5	1.08
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	348.8
B.	General Parameters Concerning Substances undesirable in excessive amounts					
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	44.09
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	4.8
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.02
11	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	N.D.



HDD-272, Phase III - Near JP Chowk
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REPORT NO.: 05122

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	11.66
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	1.16
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	34.73
21	Sulphide (as H ₂ S)	mg/L	IS 3025: (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	146.0
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	158.0
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	N.D.
C. Parameters concerning toxic substances:-						
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:					
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.



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REPORT NO.: 05122

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent
13	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The use of the report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above tests only.

Komal
15/11/2022
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Pandey
ABHIJEET PANDEY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

-----End of the test report-----



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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
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To, M/s Manpur Lime Stone Mine - (12.145 Ha), Tehsil - SahaspurLohara, Dist. - Kabirdham (C.G.)		REPORT NO.		UES/TR/22-23/05123	
		LAB REF NO.		UES/22-23/W/011654	
		DATE OF SAMPLING		10/11/2022	
		DATE OF RECEIPT		11/11/2022	
		DATE OF REPORT		15/11/2022	
		DATE OF ANALYSIS		START: 11/11/2022	END: 15/11/2022
SAMPLE DETAILS					
Customer Sample Id / Sampling Location	Manpur Village Area	Customer Ref. No. & Date	4200001176, DATED - 10/06/2022		
Sample Type	Ground Water	Sample Condition At Receipt	Ok		
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist		
Other Details	Sealed	Quantity Received	Approx 5 Ltr.		

REPORT NO.: 05123

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
A.	Organoleptic & Physical Parameters					
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.58
4	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.56
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	337.0
B.	General Parameters Concerning Substances undesirable in excessive amounts					
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	49.7
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	21.99
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.05
11	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	N.D.



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REPORT NO.: 05123

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	17.01
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	1.17
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	33.1
21	Sulphide (as H ₂ S)	mg/L	IS 3025: (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	166.0
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	188.0
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	N.D.
C. Parameters concerning toxic substances:-						
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:					
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.



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REPORT NO.: 05123

TEST REPORT


SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent
13	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE


Terms & conditions

- The use of the report for publication, arbitration or as legal document is to be made by the customer.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above tests only.


15/11/2022
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS


ABHIJEET PANDEY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

-----End of the test report-----

JAYASWAL NECO INDUSTRIES LTD

CIN : L28920MH1972PLC016154

(STEEL PLANT DIVISION)

SILTARA GROWTH CENTRE, BILASPUR ROAD, SILTARA, RAIPUR - 493111 (C.G.) - INDIA

PH. : +91-7721-264241, 264263 FAX : +91-7721-264279, 264240 Email : spd@necoindia.com



Ref: JNIL/SPD/Env/Manpur/ 30

Date : 25/02/2023

The Member Secretary,
Chhattisgarh Environment Conservation Board,
Parayavas Bhavan, North Block Sector-19,
Atal Nagar, Raipur(C.G.) 490 099.



Sub : Submission of Ground Water Level and Ground Water Quality Analysis Report of Manpur Lime Stone Mine(12.145 Ha.), Village-Manpur, Tehsil-Sahaspur Lohara, District-Kabirdham (Chhattisgarh).

Ref : (1) Environment Clearance No.905/SEIAA-CG/EC/Mining/RYP/41/08 Raipur Dated.31/07/2014.
(2) Amendment Environment Clearance No.91/SEIAA, CG./EC/Lime Stone/Kabirdham/41 Raipur. Dated.26/04/2017.

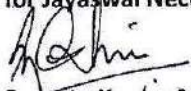
Sir,

This has reference to the above referred Environment Clearance for subject matter. Please find enclosed herewith Ground Water Level(Annexure-1) and Ground Water Quality Analysis Report(Annexure-2) for the month of January, 2023 of Manpur Lime Stone Mine(12.145Ha.), Village-Manpur, Tehsil-Sahaspur Lohara, District-Kabirdham(Chhattisgarh).

For your kind information & record.


Thanking you,

Yours faithfully,
for Jayaswal Neco Industries Ltd.


Susanta Kumar Moitra
Associate Director

Encl : As above.

- CC to : (1) The Regional Officer,
Integrated Regional Office, Govt. of India, Aranya Bhawan,
North Block, Street-19, Nava Raipur, Atal Nagar(C.G.).
- (2) The Member Secretary,
Central Ground Water Board, 18/11, Jam Nagar House,
Man Singh Road, New Delhi-110 011.
- (3) The Regional Director, Central Ground Water Authority,
2nd Floor, L.K., Corporate & Logistic Park, Dhamtari Road,
Dumartara, Raipur(C.G.).
- (4) The Regional Officer,
Chhattisgarh Environment Conservation Board,
5/32 Bungalow, Bhilai, District-Durg(C.G.).


DESPATCHER
Central Ground Water Board
North Central Chhattisgarh Region
L K Corporates and Logistic Park 2nd Floor
Near Sardar Vallab Bhai Wholesale Market
National Highway-4, Dhamtari Road
Dumartara, Pin-492015 Raipur



GROUND WATER LEVEL OF NEAR BY VILLAGE OF MANPUR LIMESTONE MINES					
PERIOD – Month of January, 2023					
Srl.No	Location / Village	Distance from M.L Boundary (KM)	Direction	Source of water	Water level (Meter)
1	Village- Manpur	0.6	NE	Dug Well	1.37
2	Village- Manpur	1.0	NE	Dug Well	1.67
3	Village- Sighangarh	2.0	W	Bore Well	15.75
4	Village- Bargaon	1.8	SW	Bore Well	14.50

S. P. Singh
Mines Manager



HDD-272, Phase III - Near JP Chowk
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Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07136
To,		LAB REF NO.	UES/22-23/W/014944
M/s Manpur Lime Stone Mine -		DATE OF SAMPLING	23/01/2023
(12.145 Ha), Tehsil - Sahaspur Lohara,		DATE OF RECEIPT	24/01/2023
Dist. - Kabirdham (C.G.)		DATE OF REPORT	27/01/2023
		DATE OF ANALYSIS	START: 24/01/2023 END: 27/01/2023
SAMPLE DETAILS			
Customer Sample Id / Sampling Location	Manpur Mine Lease Area	Customer Ref. No. & Date	4200001176, DATED - 10/06/2022
Sample Type	Ground Water	Sample Condition At Receipt	Ok
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx 5 Ltr.

REPORT NO.: 07136

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
A. Organoleptic & Physical Parameters						
1	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.34
4	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025: (Part-10)	1	5	1.18
6	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	350.0
B. General Parameters Concerning Substances undesirable in excessive amounts						
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13426	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025: (Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	45.69
7	Chloramines (as Cl ₂)	mg/L	IS 3025: (Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	14.9
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.05
11	Free Residual Chlorine	mg/L	IS 3025: (Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	N.D.

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REPORT NO.: 07136

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible Limit	
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	12.15
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	1.20
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	30.26
21	Sulphide (as H ₂ S)	mg/L	IS 3025: (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	150.0
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	164.0
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	N.D.
C. Parameters concerning toxic substances:-						
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:					
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.


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 Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

REPORT NO.: 07136


TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent
13	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent

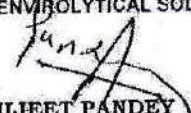
Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE**Terms & conditions**

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 27/01/23
KOMAL KUMAR
 (SR. CHEMIST)
 REVIEWED BY


For ULTIMATE ENVIROLYTICAL SOLUTIONS


ABHIJEET PANDEY
 (DY. QUALITY MANAGER)
 AUTHORIZED SIGNATORY

-----End of the test report-----



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Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07137
To,		LAB REF NO.	UES/22-23/W/014945
M/s Manpur Lime Stone Mine -		DATE OF SAMPLING	23/01/2023
(12.145 Ha), Tehsil - SahaspurLohara,		DATE OF RECEIPT	24/01/2023
Dist. - Kabirdham (C.G.)		DATE OF REPORT	27/01/2023
		DATE OF ANALYSIS	START: 24/01/2023 END: 27/01/2023
SAMPLE DETAILS			
Customer Sample Id / Sampling Location	Manpur Village Area	Customer Ref. No. & Date	4200001176, DATED - 10/06/2022
Sample Type	Ground Water	Sample Condition At Receipt	Ok
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx 5 Ltr.

REPORT NO.: 07137

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
A. Organoleptic & Physical Parameters						
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.62
4	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.60
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	340.0
B. General Parameters Concerning Substances undesirable in excessive amounts						
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	53.70
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	26.99
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.06
11	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	N.D.


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REPORT NO.: 07137

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	14.09
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	1.26
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	28.4
21	Sulphide (as H ₂ S)	mg/L	IS 3025: (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	170.0
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	192.0
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	N.D.
C. Parameters concerning toxic substances:-						
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 8440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:					
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.



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REPORT NO.: 07137

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
11	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent
13	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent

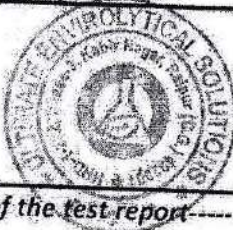
Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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K. Kumar
22/01/23
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Pandey
ABHIJEET PANDAY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

-----End of the test report-----



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Name & Address Of The Customer To, M/s Manpur Lime Stone Mine – (12.145 Ha), Tehsil – Sahaspur Lohara, Dist. – Kabirdham (C.G.)		REPORT NO.	UES/TR/22-23/07033	
		LAB REF NO.	UES/22-23/W/014800	
		DATE OF SAMPLING	16/12/2022	
		DATE OF RECEIPT	17/12/2022	
		DATE OF REPORT	21/12/2022	
		DATE OF ANALYSIS	START: 17/12/2022	END: 21/12/2022
SAMPLE DETAILS				
Customer Sample Id / Sampling Location	Manpur Mines Office	Customer Ref. No. & Date	4200001176, DATED - 10/06/2022	
Sample Type	Drinking Water	Sample Condition At Receipt	Ok	
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr.	

REPORT NO.: 07033

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	pH Value at 25.4°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.18
3	Total Suspended Solids	mg/L	IS:3025:(Part-17)	-	-	2.0
4	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	312.0
5	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	20.9
6	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.98
7	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025:(Part-23)	200	600	146.0
8	Total Hardness (as CaCO ₃)	mg/L	IS 3025:(Part-21)	200	600	182.0
9	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	43.28
10	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	18.71
11	Sulphate (as SO ₄)	mg/L	IS 3025:(Part-24)	200	400	26.8
12	Sodium (as Na)	mg/L	APHA 22 nd Edition	-	-	15.2
13	Fluoride (as F)	mg/l	IS 3025(part-60)	1	1.5	0.06
14	Nitrate (as NO ₃)	mg/l	IS 3025(part-34)	45	No Relaxation	1.26
15	Silica	mg/L	APHA 22 nd Edition	-	-	0.10
16	Copper (as Cu)	mg/l	IS 3025(part-42)	0.05	1.5	0.13
17	Iron (as Fe)	mg/l	IS 3025(part-53)	0.3	No Relaxation	N.D.
18	Zinc (as Zn)	mg/l	IS 3025(part-49)	5	15	N.D.
19	Nickel (as Ni)	mg/l	IS:3025:(Part-54)	0.02	No Relaxation	N.D.



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REPORT NO.: 07033

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
20	Manganese (as Mn)	mg/l	IS 3025(part-59)	0.1	0.3	N.D.
21	Cadmium (as Cd)	mg/l	IS 3025(part-41)	0.003	No Relaxation	N.D.
22	Lead (as Pb)	mg/l	IS 3025(part-47)	0.01	No Relaxation	N.D.
23	Chromium (as Cr)	mg/l	Annex J of IS:13428	0.05	No Relaxation	N.D.
24	Phosphate (as PO ₄)	mg/L	APHA 22 nd Edition	-	-	N.D.
25	Arsenic (as As)	mg/l	IS 3025(part-37)	0.01	0.05	N.D.
26	Mercury (as Hg)	mg/l	IS 3025(part-48)	0.001	No Relaxation	N.D.
27	Phenolic Compound (as C ₆ H ₅ OH)	mg/l	IS 3025(part-43)	0.001	0.002	N.D.
28	Cyanide (as CN)	mg/l	IS 3025(part-27)	0.05	No Relaxation	N.D.
29	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent
30	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	-	-	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

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21/12/22
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

ABHIJEET PANDEY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
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Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07032	
To, M/s Manpur Lime Stone Mine – (12.145 Ha), Tehsil – SahaspurLohara, Dist. – Kabirdham (C.G.)		LAB REF NO.	UES/22-23/ST/014799	
		DATE OF SAMPLING	16/12/2022	
		DATE OF RECEIPT	17/12/2022	
		DATE OF REPORT	21/12/2022	
		DATE OF ANALYSIS	START: 17/12/2022	END: 21/12/2022
SAMPLE DETAILS				
Monitoring For	Stack Emission Monitoring			
Customer Ref. No. & Date	4200001176, DATED - 10/06/2022			
Sampling Location	Manpur Mines 1 DG Set			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	IS 11255 Part 1,2:1985 Reaffirmed 2009; Part 3:2008, Part 7:2005 Reaffirmed 2012, IS 5182 (Part 10) :2003			
Sample Quantity/Packing	Thimble: 1 X 1 No., SO2: 30 ml X 1 No. PVC Bottle, NOX: 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No.,			

TEST REPORT

Stack details				
Stack Identity	DG set 125 KVA			
Stack attached to	Generator 125 KVA			
Material of construction	MS Plate			
Stack height above ground level	10 meter			
Stack diameter	0.10 Meter			
Stack shape at top	Circular			
Type of fuel	Diesel			
Parameter	Unit	Result	Limit	Method Reference
Flue gas Temperature	°C	152	-	IS 11255 (Part 3):2008
Flue gas velocity	m/s	11.7	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	231.8	-	IS 11255 (Part 3):2008
Total Particulate Matter (PM) (Corrected at 15 % O ₂)	g/kw-h	0.052	<0.2	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	g/kw-h	0.88	-	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)(Corrected at 15 % O ₂) Dry Basis	g/kw-h	0.70	<4.0	IS 11255 (Part 7):2005, RA 2012
Non-Methane hydrocarbon (NMHC) (Corrected at 15 % O ₂)	g/kw-h	0.48	<4.0	APHA METHOD 109, P-259
Carbon Monoxide (CO)	g/kw-h	0.38	<3.5	APHA METHOD 130, P-359

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21/12/22
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

ABHIJEET PANDEY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

-----End of the test report-----

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



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Name & Address of The Customer To, M/s Manpur Lime Stone Mine – (12.145 Ha), Tehsil – Sahaspur Lohara, Dist. – Kabirdham (C.G.)	REPORT NO.	UES/TR/22-23/07031
	LAB REF NO.	UES/22-23/N/014795-014798
	DATE OF REPORT	21/12/2022
	DATE OF SAMPLING	16/12/2022 to 17/12/2022

SAMPLE DETAILS

MONITORING FOR	NOISE LEVEL MONITORING
CUSTOMER REF. NO. & DATE	4200001176, DATED - 10/06/2022
SAMPLING LOCATION	(AS DESCRIBED BELOW)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 9989:1981:RA 2001

TEST REPORT

LOCATION	UNIT	RESULT	LIMIT (RESIDENTIAL ZONE)	
		DAY TIME	DAY TIME	NIGHT TIME
Towards Ranjeetpur village - N	dB(A)	52.4	75 dB(A)	70 dB(A)
Towards Manpur Village - SE	dB(A)	54.8		
Towards Sitlamata Mandir - S	dB(A)	57.2		
Towards Singangarh Village - W	dB(A)	53.6		

REMARKS: RESULTS ARE AS ABOVE. MINING OPERATION IS CARRIED OUT ONLY IN DAY TIME.

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Komal
21/12/22
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Abhi
ABHIJEET PANDEY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

-----End of the test report-----



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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/07030	
To,		LAB REF NO	UES/22-23/FE/014794	
M/s Manpur Lime Stone Mine –		DATE OF SAMPLING	16/12/2022	
(12.145 Ha), Tehsil – Sahaspur Lohara,		DATE OF RECEIPT	17/12/2022	
Dist. – Kabirdham (C.G.)		DATE OF REPORT	21/12/2022-	
		DATE OF ANALYSIS	Start: 17/12/2022	End: 21/12/2022
SAMPLE DETAILS				
Monitoring For	Work Zone Monitoring / Fugitive Emission Monitoring			
Customer Ref. No. & Date	4200001176, DATED - 10/06/2022			
Duration Of Sampling	8 Hours			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	GMF Filter Paper (8 X 10 Inch): 1x1 No.			

TEST REPORT				
Location	Unit	Result (SPM)	The Environment (Protection) Rules, 1986 Standard	Method Reference
Near Crushing & Screening	$\mu\text{g}/\text{m}^3$	1220	2000	EPA Method IO-2.1

Terms & conditions

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 21/12/22 KOMAL KUMAR (SR. CHEMIST) REVIEWED BY	 	For ULTIMATE ENVIROLYTICAL SOLUTIONS ABHIJEET PANDEY (DY. QUALITY MANAGER) AUTHORIZED SIGNATORY
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-----End of the test report-----



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Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/07029	
To, M/s Manpur Lime Stone Mine - (12.145 Ha), Tehsil - Sahaspur Lohara, Dist. - Kabirdham (C.G.)		LAB REF NO.	UES/22-23/FE/014790-014793	
		DATE OF SAMPLING	16/12/2022	
		DATE OF RECEIPT	17/12/2022	
		DATE OF REPORT	21/12/2022	
		DATE OF ANALYSIS	START: 17/12/2022	END: 21/12/2022
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. AAQM - 1 (Towards Ranjeetpur village) - N			
	2. AAQM - 2 (Towards Manpur Village) - SE			
	3. AAQM - 3 (Towards Sitlamata Mandir) - S			
	4. AAQM - 4 (Towards Singangarh Village) - W			
Customer Ref. No. & Date	4200001176, DATED - 10/06/2022			
Duration Of Sampling	As per CPCB norms			
Sample Collected by	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., Filter Paper (PM2.5): 1X1 No. SO2: 30mlX1 No. PVC Bottle, NO2: 30mlX1 No. PVC BOTTLE, Rubber Bladder: 1X1 No., C6H6: CHARCOAL Tube. OZONE: 10MLX1 No. Brown PVC Bottle, NH4: 10MLX1 No. Brown PVC Bottle			

TEST REPORT							
Parameter	Unit	NAAQM Standard	METHOD REFERENCE	Results			
				Towards Ranjeetpur village - N	Towards Manpur Village - SE	Towards Sitlamata Mandir - S	Towards Singangarh Village - W
Particulate Matter size less than 10 microns (PM ₁₀)	µg/m ³	100	IS 5182(Part 23):2006 & CPCB Guidelines Vol.-I	48.2	43.7	42.0	44.6
Particulate Matter size less than 2.5 microns (PM _{2.5})	µg/m ³	60	IS 5182(Part 24):2019 CPCB Guidelines Vol.-I	27.1	28.8	24.7	29.0
Sulphur Dioxide (SO ₂)	µg/m ³	80	IS 5182(Part 2):2001, RA 2006 & CPCB Guidelines Vol.-I	5.96	5.0	6.2	7.9
Nitrogen Dioxide (NO ₂)	µg/m ³	80	IS 5182(Part 6): 2006 & CPCB Guidelines Vol.-I	11.58	10.9	8.4	12.7
Carbon Monoxide (CO)	mg/m ³	4.0	IS 5182(Part 10):1999, RA 2003	0.72	0.46	0.52	0.24
Ozone (O ₃)	µg/m ³	180	CPCB Guidelines Vol-I	8.8	6.7	5.6	8.9
Ammonia (NH ₃)	µg/m ³	400	CPCB Guidelines Vol-I	3.8	7.7	5.8	6.7
Arsenic (As)	ng/m ³	6.0	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	ng/m ³	20	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	µg/m ³	1.0	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.
Benzene (C ₆ H ₆)	µg/m ³	5.0	IS 5182 (Part 11):2006	N.D.	N.D.	N.D.	N.D.
Benzo (a) Pyrene	ng/m ³	1.0	IS 5182 (Part 12):2014	N.D.	N.D.	N.D.	N.D.

Note: N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The use of the report for publication, arbitration or as the legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.
- This is for information as the party has asked for above test(s) only

Komal Kumar
21/12/22
KOMAL KUMAR
(SR. CHEMIST)
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Abhijeet Pandey
ABHIJEET PANDEY
(DY. QUALITY MANAGER)
AUTHORIZED SIGNATORY

JAYASWAL NECO INDUSTRIES LTD

CIN : L28920MH1972PLC016154

(STEEL PLANT DIVISION)

SILTARA GROWTH CENTRE, BILASPUR ROAD, SILTARA, RAIPUR - 493111 (C.G.) - INDIA

PH. : +91-7721-264241, 264263 FAX : +91-7721-264279, 264240 Email : spd@necoindia.com



JNIL/ENV/Manpur/2023/13

Date : 14/01/2023

**The Regional Officer,
Chhattisgarh Environment Conservation Board,
5/32 Bungalow, Bhilai,
District-Durg (Chhattisgarh).**

Sub : Submission of Plantation details for the year "2021 & 2022" and target Plantation "2023" of Manpur Lime Stone Mine (12.145 Ha.), Village-Manpur , Tehsil-Sahaspur Lohara & District-Kabirdham(Chhattisgarh).

Ref : Your letter vide No.2197/R.O./Tech./CECB/2022 Jagdalpur Dated.30/12/2022.

Sir,

With reference to the subject cited above, we would like to inform you that total 1000 Nos. of saplings had been planted in the year- 2021 & 2022 and target Plantation "2023" 400 Nos. saplings to be at Manpur Lime Stone Mine (12.145 Ha.), Village-Manpur, Tehsil- Sahaspur Lohara & District-Kabirdham(C.G). Plantation details is enclosed as **Annexure – I**.

This is for your information and record please.

Thanking you,

Yours faithfully,
for Jayaswal Neco Industries Ltd.

**Susanta Kumar Moitra
Associate Director**

Encl : As above.

**CCto :
The Member Secretary,
please)
Chhattisgarh Environment Conservation Board,
Paryavas Bhavan, North Block Sector-19,
Atal Nagar, Raipur(C.G.) 490 099.**

(for your kind information

Annexure-1

Regional Office, Chhattisgarh Environmental Conservation Board,

District-Durg (C.G.).

" Information regarding Industries / Mines on Tree Plantation for the year – 2021 & 2022 "

S. No.	Industry Name / Organization Name & Address	Area of Industry / Mine in Acre)	Industry/Area to be planted in the mine / Plantation as per consent condition /Area /Area of Plantation in acres as per Environmental Clearance.	Industry/ Actual area of Plantation done in the mine (in Acres).	Industry / Total number of actual tree plantation done in the mine. 2021-22		Remarks
1	Manpur Lime Stone Mine (12.145 Ha.), Tehsil-Sahaspur Lohara, District-Kabirdham (C.G.) of M/s Jayaswal NECO Ind. Ltd.	30.00 Acres	Area to be planted in the mine in 0.3 Ha.(0.741 Acres)	0.072 Ha. (0.178 Acres) 0.016 Ha. (0.039 Acres)	Year-2021 a) ML Area b) Out Side Lease area. Near Talab of Badgaon village. c) Distributed nearby village- Manpur Kotrabundeli, Singangarh & Mohgaon).	Saplings 150 Nos. 50 Nos. 360 Nos.	--
2	Manpur Lime Stone Mine (12.145 Ha.), Tehsil-Sahaspur Lohara, District-Kabirdham (C.G.) of M/s Jayaswal NECO Ind. Ltd.	30.00 Acres	Area to be planted in the mine in 0.3 Ha.(0.741 Acres)	0.025 Ha. (0.062 Acres) 0.016 Ha. (0.039 Acres)	Year-2022 a) ML Area b) Out Side Lease area. Near Manpur village area. c) Distributed nearby village- Gulmohar, Jamun, Peltaform, Khamar, Karanj, Sitafal and Amla.	Saplings 150 Nos. 25 Nos. 225 Nos.	--

Regional Office, Chhattisgarh Environmental Conservation Board,
District-Durg(C.G.).
Information on Plantation targets in Tree Plantation Programme – 2023 "

S.No.	Industry Name/ Organisation Name	Plantation target	Description of the proposed site for Plantation				
			District Name	Mining area in (Acres)	Other area in (Acres)	Potential Planting time	Remarks
1	Manpur Lime Stone Mine (12.145 Ha.), Tehsil-Sahaspur Lohara, District- Kabirdham (C.G.) of M/s Jayaswal NECO Ind. Ltd.	400 Nos.	Kabirdham	30.00	N.A	July- September 2023	New plants are to be planted in place of dead plants.

Saplings Photographs





Handwritten signature in blue ink.