

SMPL/ENV/Mine/EC/2024/1

Through E. Mail

Date: 22.05.2024

To,  
The Deputy Director General of Forest (DDGF),  
Ministry of Environment, Forest and Climate Change  
Integrated Regional Office, E-5 Kendriya Paryavaran Bhawan,  
E-5 Arera Colony, Link Road No.3, Ravishanker Nagar,  
**Bhopal-462016**  
Email: [tg035.ifs@nic.in](mailto:tg035.ifs@nic.in)

**Sub:** Submission of Six-Monthly EC (EC letter no. - J-11015/114/2015-IA. II (M) dated 18th Feb, 2022)  
Compliance Report for the period: October-2023 to March-2024 of Limestone Mine with total excavation of 14.11 million TPA [Limestone – 4.0 million TPA (ROM), Topsoil – 1.57 million TPA, OB – 6.51 million TPA, Mineral Rejects – 2.03 million TPA] along with the crusher of 1600 TPH in the mine lease area of 499.641 ha at Village – Kolkariya, Tehsil Pawai, Dist. Panna, MP by M/s Springway Mining Private Limited.

**Ref:** EC letter no. - J-11015/114/2015-IA. II (M) dated 18th Feb, 2022

Dear Sir,

With reference to the above subject matter and cited reference. We are herewith submitting the Half Yearly compliance of EC for the period **October 2023 to March 2024 and the same has been uploaded on MoEF&CC portal.**

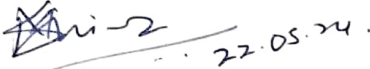
As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to [tg035.ifs@nic.in](mailto:tg035.ifs@nic.in), [moef@nic.in](mailto:moef@nic.in), [ccb.cpcb@nic.in](mailto:ccb.cpcb@nic.in), [cpcb.bhopal@gov.in](mailto:cpcb.bhopal@gov.in), [monitoring-ec@nic.in](mailto:monitoring-ec@nic.in), [chairman-mppcb@mp.gov.in](mailto:chairman-mppcb@mp.gov.in), [ms-mppcb@mp.gov.in](mailto:ms-mppcb@mp.gov.in), [romppcb\\_sagar@rediffmail.com](mailto:romppcb_sagar@rediffmail.com)

We hope you will find the same in order.

Thanking You,

Yours faithfully,

**For Springway Mining Pvt. Ltd.**  
**(A Unit of JSW Cement)**



**(Mayank Shrivastav)**  
**Authorized Signatory**

**Encl.: as above**

**Copy to:**

1. The Director (M), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, JOR Bagh Road, Aliganj, New Delhi-110003 Email: [moef@nic.in](mailto:moef@nic.in)
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, New Delhi 110032. Email: [ccb.cpcb@nic.in](mailto:ccb.cpcb@nic.in)
3. The Regional Director, Central Pollution Control Board Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016. Email: [cpcb.bhopal@gov.in](mailto:cpcb.bhopal@gov.in)
4. The Chairman, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016. Email: [chairman-mppcb@mp.gov.in](mailto:chairman-mppcb@mp.gov.in)
5. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016. Email: [ms-mppcb@mp.gov.in](mailto:ms-mppcb@mp.gov.in)
6. The Regional Officer, Regional Office, Madhya Pradesh State Pollution Control Board, Din Dayal Nagar, Housing Board Colony, Sagar (MP). Email: [romppcb\\_sagar@rediffmail.com](mailto:romppcb_sagar@rediffmail.com)

**Form for Uploading Six Monthly Compliance Report**

**Proposal Details**

<b>Proposal No.</b>	<b>IA/MP/MIN/273 04/ 2015</b>	<b>Project Name</b>	Proposal for Environment Clearance of M/s Springway Mining Private Limited for Proposed Limestone Mine with total excavation of 14.11 million TPA [Limestone – 4.0 million TPA (ROM), Topsoil – 1.57 million TPA, OB – 6.51 million TPA, Mineral Rejects – 2.03 million TPA] along with the crusher of 1600 TPH in the mine lease area of 499.641 ha at Village – Kolkarhiya, Tehsil Pawai, Dist. Panna, MP.
<b>Category</b>	<b>A</b>	<b>MoEF File No.</b>	<b>J-11015/114/2015-IA. II (M) dated 18<sup>th</sup> Feb, 2022</b>
<b>Name of the Entity / Corporate Office*</b>	<b>M/s. Springway Mining Private Limited, Chennai, Tamil Nadu-600028</b>		
<b>Entity's PAN*</b>	<b>AAPCS9007H</b>		
<b>Entity Name as per PAN</b>	<b>SPRINGWAY MINING PRIVATE LIMITED</b>		

**Compliance Letter/Report**

<b>Reporting Year*</b>	2024	<b>Reporting Period*</b>	October-2023 to March-2024
<b>Remarks (if any)</b>	Submitting herewith the Six-Monthly EC Compliance Report for the period: October 2023 to March 2024 of Limestone Mine with total excavation of 14.11 million TPA [Limestone – 4.0 million TPA (ROM), Topsoil – 1.57 million TPA, OB – 6.51 million TPA, Mineral Rejects – 2.03 million TPA] along with the crusher of 1600 TPH in the mine lease area of 499.641 ha at Village – Kolkarhiya, Tehsil Pawai, Dist. Panna, MP by M/s Springway Mining Private Limited.		

**Details of Production and Project Area**

<b>Date of Commencement of Project /Activity: *</b>	21/03/2022	<b>Project Area as Per EC Granted (In Case of Mine Lease): *</b>	499.641 ha.
<b>Actual Project Area (In Case of Mine Lease): *</b>	499.641 ha.		

**PRODUCTION CAPACITY**

<b>Name of the Product*</b>	<b>Units*</b>	<b>As per EC granted*</b>	<b>Production during last financial year: (2023-24) *</b>
Limestone	Million TPA	4.0	0.001
Top Soil	Million TPA	1.57	0.065999956
OB	Million TPA	6.51	0.00750304
Mineral Reject	Million TPA	2.03	0.0
<b>Total Excavation Quantity</b>	<b>Million TPA</b>	<b>14.11</b>	<b>0.074502996</b>

Limestone Mine with total excavation of 14.11 million TPA [Limestone – 4.0 million TPA (ROM), Topsoil – 1.57 million TPA, OB – 6.51 million TPA, Mineral Rejects – 2.03 million TPA] along with the crusher of 1600 TPH in the mine lease area of 499.641 ha at Village – Kolkarhiya, Tehsil Pawai, Dist. Panna, MP by M/s Springway Mining Private Limited.

**EC Compliance Report: September-2023 to March-2024**

Environment Clearance of M/s Springway Mining Private Limited for Proposed Limestone Mine with total excavation of 14.11 million TPA [Limestone – 4.0 million TPA (ROM), Topsoil – 1.57 million TPA, OB – 6.51 million TPA, Mineral Rejects – 2.03 million TPA] along with the crusher of 1600 TPH in the mine lease area of 499.641 ha at Village – Kolkarhiya, Tehsil Pawai, Dist. Panna, MP.

**Environment Clearance vide No.: J-11015/114/2015-IA. II (M) dated 18<sup>th</sup> Feb, 2022**

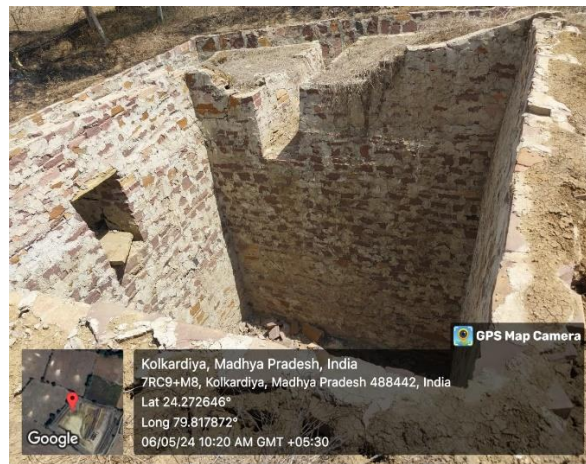
**A. SPECIFIC CONDITION: -**

S. No.	Condition Type	Condition Details	Self Declaration	Remarks / Reason
i	Public Hearing	The budget of Rs 4.5 Crores to address the concerns raised by the public during the public hearing to be completed within 3 years from the date of start of mining operations.	Agreed to comply	The Mines commenced its operation on 21.03.2022 and is in development stage. Public hearing issues raised will be addressed as per submitted time bound action plan within 3 year from the date of start of mining operation. The status of Budget expenditure (Rs. 83,00,221/-) in FY 2023-24 is given below and please refer to <b>Annexure-1</b> for Photographs of the activities.

Sl. No.	Themes	Activities	No. of beneficiaries	Budget Spent
1	Health	Eye Camp at Kolkarhiya	103	52,100
2		General Health Camp at Kolkarahiya	155	24,745
3		Eye Camp at Devri	97	56,400
4		General Health Camp at Devri	144	23,925
5		Eye camp at Gaisabad	170	47,400
6		General Health Camp at Gaisabad	230	35,295
7		Eye Camp at Garreh	104	56,600
8		General Health Camp at Garreh	127	21,845
9		Supply of essential medical equipment at Devri & Gaisabad health Sub Centre	4000	1,85,956

10		Health camp during public hearing		10,000
11	Education	Ditribution of Education Kits in Kolkarahiya, Devri, Raikra and Kuluwa, Gaisabad	800	5,52,871
12		Renovation of Gaisabad Anganwadi & Harijan Tola Primary School	130	7,67,000
13		Supply of 425 School benches and 5 sets of office furniture in Govt. Schools in Kolkarhiya, Devri, Raikra & Gaisabad Villages	850	21,46,625
14		Setting up Science laboratory-Physics, Chemistry & Bio in 1 Senior Secondary School (Gaisabad) : Furniture work & Lab equipment purchase	496	6,50,312
15		Inaugural function for handover the laboratories' equipment and furniture set up works at Higher Secondary School, Gaisabad		6,008
16		Livelihood	Grant support in paying the electricity connection and transformer charges for establishing and running Dona/Pattal making machine unit run of Kalumar village of Jaberu Janpad Panchayat, district Damoh	30
17	Women Empowerment	Support provided to Nai Duniya Newspaper towards Nayika Samman Programme	55	1,18,000
18		Celebration of International Women's day	200	73,170
19	Sports & Culture	Payment to Panna Collector-Towards celebration of Gaurav Diwas on the occasion of Chatsal Jayanti		2,00,000
20	Water	Borewell & 3 Hand Pump Installation (Kolkarahiya & Raikra Villages) & 1 Borewell and motorized system setup at Devri Village	350	4,07,561
21	Plant purchase, Plantation with tree guard installation	2500 Plantation and tree guard installation in Schools and Mine area		9,18,500

	22	Rural Infrastructure	Installation of 98 Street Solar lights at Village Kolkarhiya, Devri, Raikra and Kuluwa, Sanjay Nagar, Garreh, Gaisabad, Mahua Kheda, Bichua Chkka, Baleh & Adanwara Villages	8000	16,84,467
<b>Total</b>				<b>16041</b>	<b>83,00,221</b>
ii	Statutory compliance	The Project Proponent shall implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the central/state Government, as provided under the law.	Complied	Noted, Till date we have purchased 159.158 ha (Govt land 1.75 ha and Private 157.408 ha) and Rehabilitation of project-affected families (PAFs) and payment of compensation to PAFs is being done as per the policy and guidelines of the central/state Government, as provided under the law.	
iii	Statutory compliance	The Project Proponent must ensure that the Garland drains created to protect entry of water from river into the mine and from the mine to river to be dealt with the proper protection measures proposed and should be designed and constructed in such a way that at no time solids and pollutants from the mine area from all the pits will not flow into the river and it should be ensured that the water in the drain as surface runoff from mine collected in the pit be monitored for quality and treated accordingly.	Complied	Excavation of pit has been commenced in approved area for first year period which is lying over ground level 318 m RL. A closed garland drain with suitable bund has been constructed all along the proposed area of excavation.  Photographs of protected Garland drain and siltation pond with wire fencing along pit area and bund under development along proposed excavation area is enclosed as <b>annexure-2</b> .	



iv	Mining Plan	The Committee noted that the PP presented that initially Pit-A will be operated for a period of 10 years and hence the protection measures proposed should be demonstrated in Pit –A first. Based on the performance of adopted measures the design and the construction shall be taken up in further pits.	Complied	Excavation of pit A has been commenced in approved area for pit of first year period, which is lying over ground level 318 m RL. A closed garland drain with suitable bund has been constructed all along the proposed area of excavation and will be ensured for all respective pits in future also. Please refer <b>annexure-2</b> for photographs.
v	Water quality monitoring and preservation	Since the major river is garlanding the entire mine area on northern, western and southern side, all the protection measures shall be taken up so that neither the river hydrology nor the quality of the river will have any impact till the entire mining operation.	Being complied	A garland drain with suitable bund has been constructed all along the proposed area of excavation and will be ensured for all respective pits in future also to avoid any impact till the entire mining operation. Please refer <b>annexure-2</b> for photographs.
vi	Mining Plan	The Sub- Committee of the EAC (Non-Coal Sector) shall visit the mine after the mine commences operation to assess the performance of the above measures mentioned in condition no. iii, iv & v.	Being Complied	Noted. Mining operation has been commenced on 21.03.2022, mine is in development stage and limestone is being produced from float limestone lumps found on ground surface only. Please refer <b>annexure-2</b> for photographs of protection measures.
vii	Miscellaneous	PP shall stay in touch with Forest and Wildlife Department for any intervention required in future for protecting the wildlife.	Complied	Noted. Guidance will be taken from Forest and Wildlife department if there is any requirement in near future for protecting the wildlife.
viii	Land Reclamation	The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	Complied	Noted. Top soil will only be stored at earmarked site(s) and the soil will be used for plantation and land reclamation. Photographs of plantation developed on top soil is enclosed as <b>Annexure-3</b> .



ix	Human Health Environment	Regular surveillance on The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. Silicosis shall be carried through regular occupational health checkup of 1/3 of the persons every year.	Being Complied	Noted. <ul style="list-style-type: none"> <li>• Top soil will only be stored at earmarked site(s) and the soil will be used for plantation and land reclamation.</li> <li>• Pre-employment medical checkup is being carried out. Please refer <b>annexure-4</b> for medical checkup reports.</li> </ul>
x	Statutory compliance	The project proponent shall obtain the NOC from CGWA for intersection of ground water table.	Complied	NOC for intersection of ground water table has been obtained from CGWA vide letter no. CGWA/NOC/MIN/ORIG/2021/13119 dated 10.04.2024. Please refer <b>annexure-5</b> for copy of NOC.
<b>STANDARDS CONDITIONS:</b>				
<b>I. Statutory Compliance</b>				
1)	Statutory compliance	This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Complied	Noted and all applicable laws will be followed.
2)	Statutory compliance	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August,2017 in write Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Complied	Noted and all applicable laws will be followed.

3)	Statutory compliance	The State Government concerned shall ensure that mining operation not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Complied	Not applicable, no any compensation levied is due and unit is complying with the Judgment of Hon'ble Supreme Court dated 2nd August, 2017.
4)	Statutory compliance	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z11013/57/2014-IA.II (M), dated 29th October, 2014 titled "Impact of mining activities on Habitation –Issues related to the mining Projects wherein Habitations and villages are the parts of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Complied	Unit has taken the following measures to reduces the impact of mining activities on habitations: - <ul style="list-style-type: none"> <li>• Garland drain constructed,</li> <li>• Siltation pond facilitated,</li> <li>• Regular water spray on haul road is being done,</li> <li>• Company owned road used for limestone transportation, and</li> <li>• Carried out dense plantation.</li> </ul> Following measures will also be implemented in near future as Mining operation has been commenced on 21.03.2022, mine is in development stage and limestone is being produced from float limestone lumps found on ground surface only. <ul style="list-style-type: none"> <li>• Rainwater collected in mine pit will be supplied to nearby villagers during the lean period.</li> <li>• After installation of the Hi mast tower light, it will be kept in off mode during night period,</li> <li>• Control blasting will be implemented after getting the permission of Blasting.</li> <li>• No village road will be used for the transportation of minerals.</li> </ul>
5	Statutory compliance	A copy of EC letter will be marked to concerned panchayat/ local NGO etc. if any, from whom suggestion/ representation has been received while processing the proposal.	Complied	Copy of EC letter has been marked to Gram Panchayat Kolkarhiya, dated 22/02/2022. Copy of the same is already submitted through EC compliance report dated <b>20.05.2023</b> .
6	Statutory compliance	State Pollution Control Board/ Committee shall be responsible for	Complied	Noted. This condition will be complied by SPCB

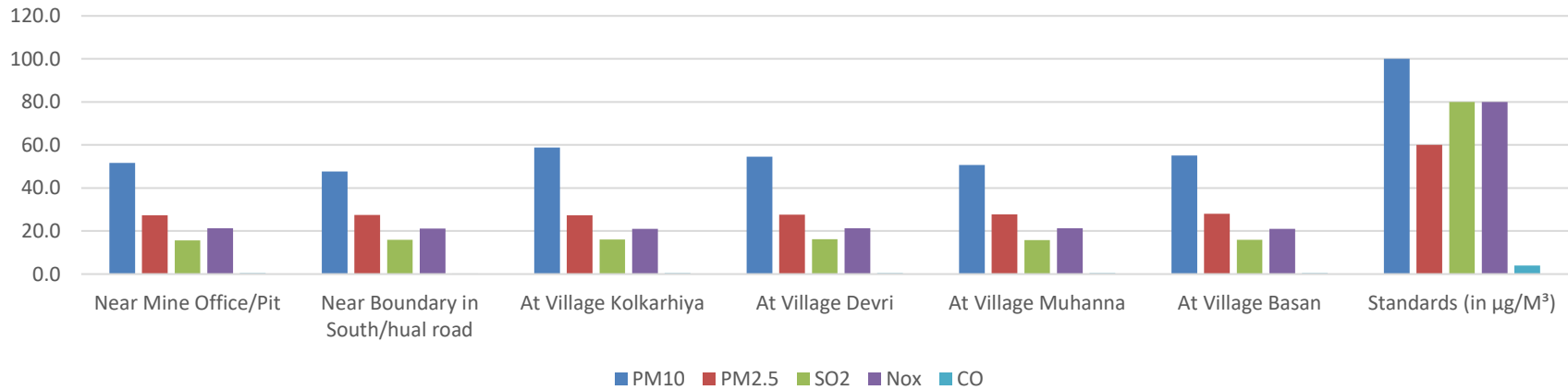


		display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.		
7	Statutory compliance	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/ Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied	M/s Springway Mining Pvt Limited has widely advertised about the grant of this EC letter by printing the same in at least two local newspapers, and in vernacular language of the concerned area. i.e.: Dainik Bhasker and Raj Express. Copy of the Newspaper cutting is already submitted through EC compliance report dated <b>20.05.2023</b> .
8	Statutory compliance	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 EIA Notification, 2006 as amended from time to time.	Complied	Noted, If any change in ownership of mining, will be intimated to the ministry.
<b>II. Air Quality Monitoring and Preservation</b>				
9)	Air Quality Monitoring and Preservation	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Station with 1 (One in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO	Agreed to Comply	<ul style="list-style-type: none"> <li>• The Mines EC is granted on 18.02.2022 and Mining operation has been commenced on 21.03.2022, mine is in development stage.</li> <li>• Ambient air quality monitoring in core (Mine Site and Mine Boundary) and buffer zone (Village Kolkarhiya, Basan, Muhana, Rekra, Devri) is being carried out by MoEFCC approved laboratory. Six monthly average reports are enclosed as <b>Annexure-6</b>.</li> </ul> <p>We are in the process of finalizing the technical quotation for</p>

		<p>and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the mine Gate of the mine site.</p>		<p>the installation of the CAAQMS system along with the digital display board as per applicable guidelines and will be installed as early as possible.</p>
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Ambient Air Quality Six monthly average results of Kolkarhiya Mine core & Buffer Zone						
Sr. No.	Name of Location/Parameter	PM10	PM2.5	SO2	NOx	CO
1	Near Mine Office/Pit	51.7	27.3	15.6	21.3	0.3
2	Near Boundary in South/haul road	47.7	27.5	15.9	21.1	0.3
3	At Village Kolkarhiya	58.8	27.4	16.1	21.0	0.4
4	At Village Devri	54.5	27.6	16.2	21.3	0.4
5	At Village Muhanna	50.8	27.8	15.7	21.3	0.4
6	At Village Basan	55.2	28.0	15.9	21.0	0.4
7	<b>Standards (in µg/M<sup>3</sup>)</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>4</b>

Ambient Air Quality average results of Kolkarhiya Mine core & Buffer Zone  
(October 23 - March 24)



10)	Effective safeguard measure for prevention of dust generation and subsequent suppression (Like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources	Complied	<p>Following safeguard measures taken for prevention of dust generation: -</p> <ul style="list-style-type: none"> <li>• Regular water sprinkling is being done on haul roads and loading and unloading point to control the fugitive emission.</li> <li>• Ambient air quality monitoring is being carried out on regular basis by NABL accredited laboratory and air pollution level are well within the prescribed norms.</li> <li>• Six monthly average Ambient air quality and fugitive emission monitoring reports for the period: October-23 to March-24 are enclosed as <b><u>Annexure-6.</u></b></li> </ul>
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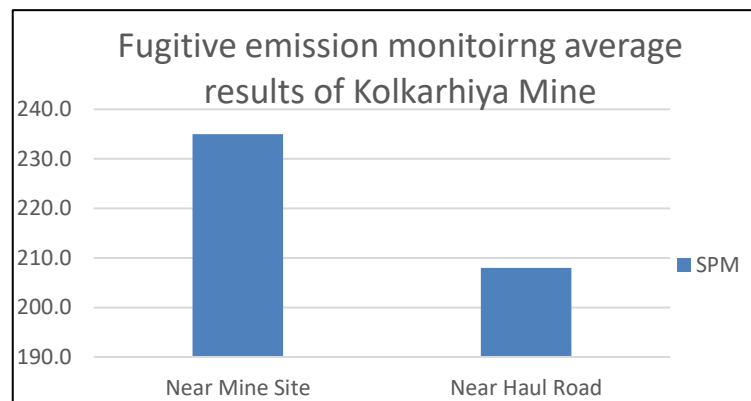
shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dusty control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/Central Pollution Control Board.

In Addition to the above, following measures will also be implemented in near future as Mining operation has only been commenced on 21.03.2022, mine is in development stage and limestone is being produced from float limestone lumps found on ground surface only.

- Water sprinkling system will be provided at the dump hopper to control the fugitive emission.
- Crusher has yet not been installed and upon installation, air pollution control equipment's like bag filters, dry fogging system will be installed at crusher to avoid generation of dust @ the source & during transportation.

**Fugitive emission monitoring average results of Kolkarhiya Mine**

Sr. No.	Name of Location/Parameter	SPM
1	Near Mine Site	235.0
2	Near Haul Road	208.0



**III. Water Quality Monitoring and Preservation**

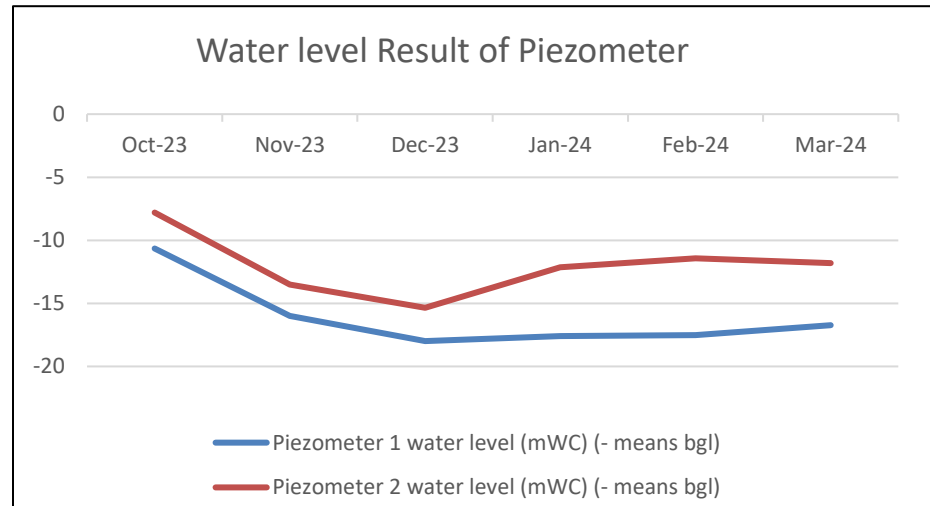
11) Water Quality Monitoring and Preservation  
 In case, the immediate mining scheme envisages intersection of ground water table, then Environment Clearance shall become operation only after receiving formal clearance form CGWA, In case, mining operation involves intersection of

Complied

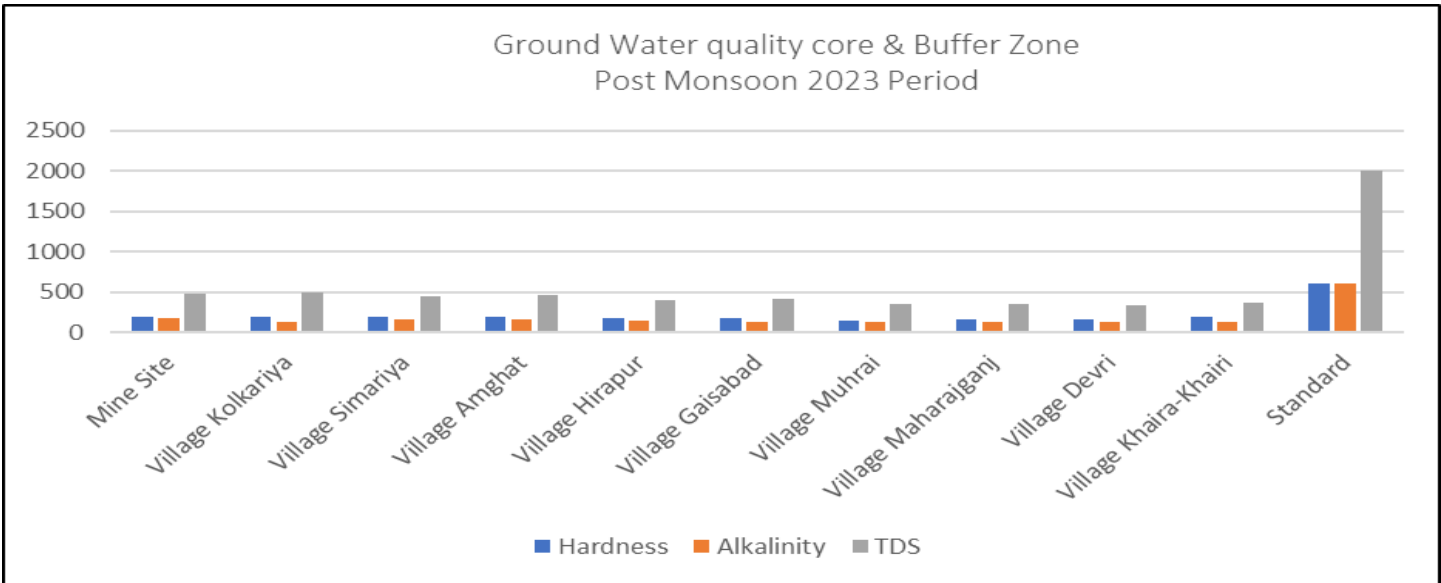
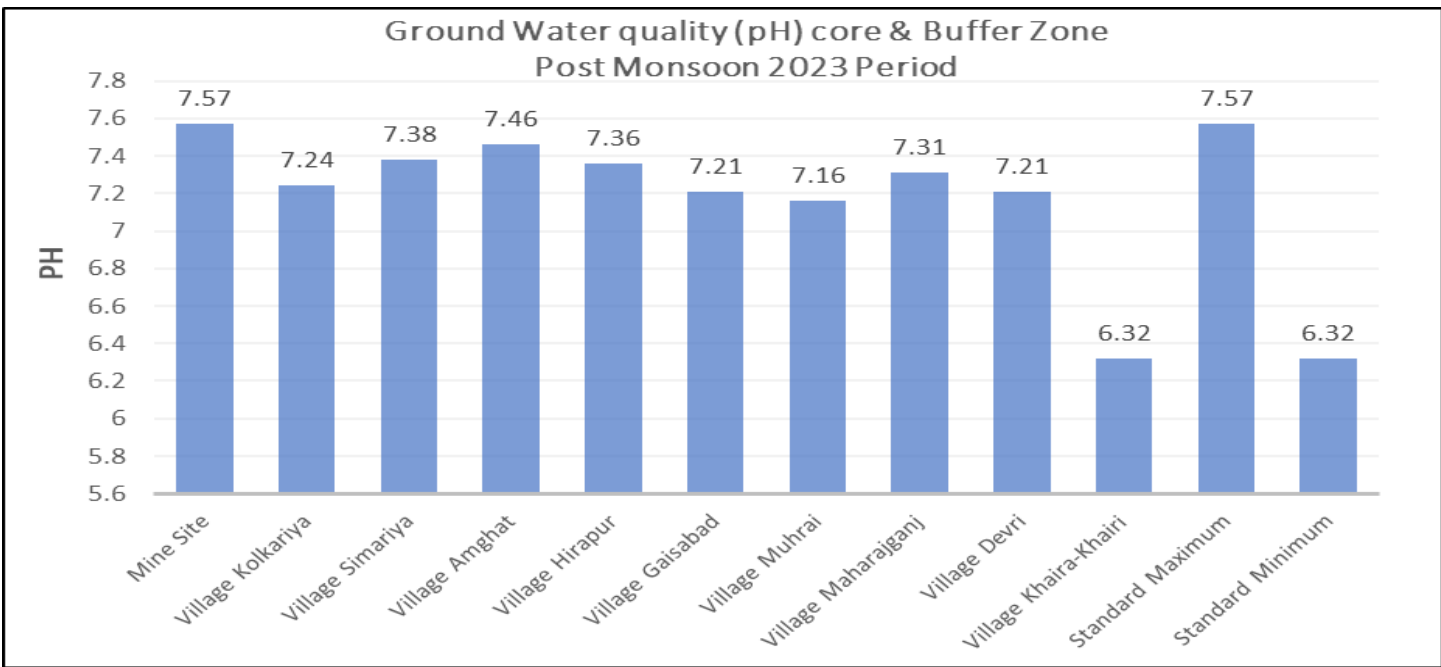
NOC for the intersection of ground water table has been obtained from CGWA vide letter no. CGWA/NOC/MIN/ORIG/2021/13119 dated 10.04.2024. Please refer **annexure-5** for copy of NOC.

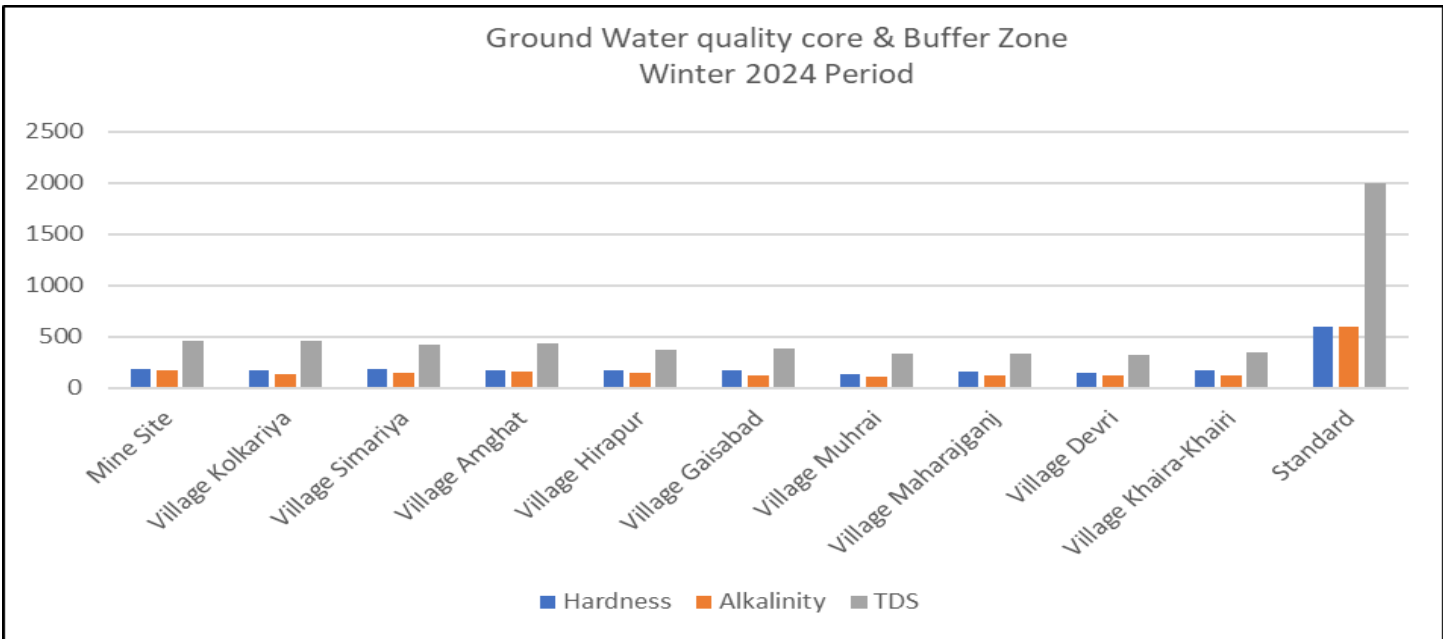
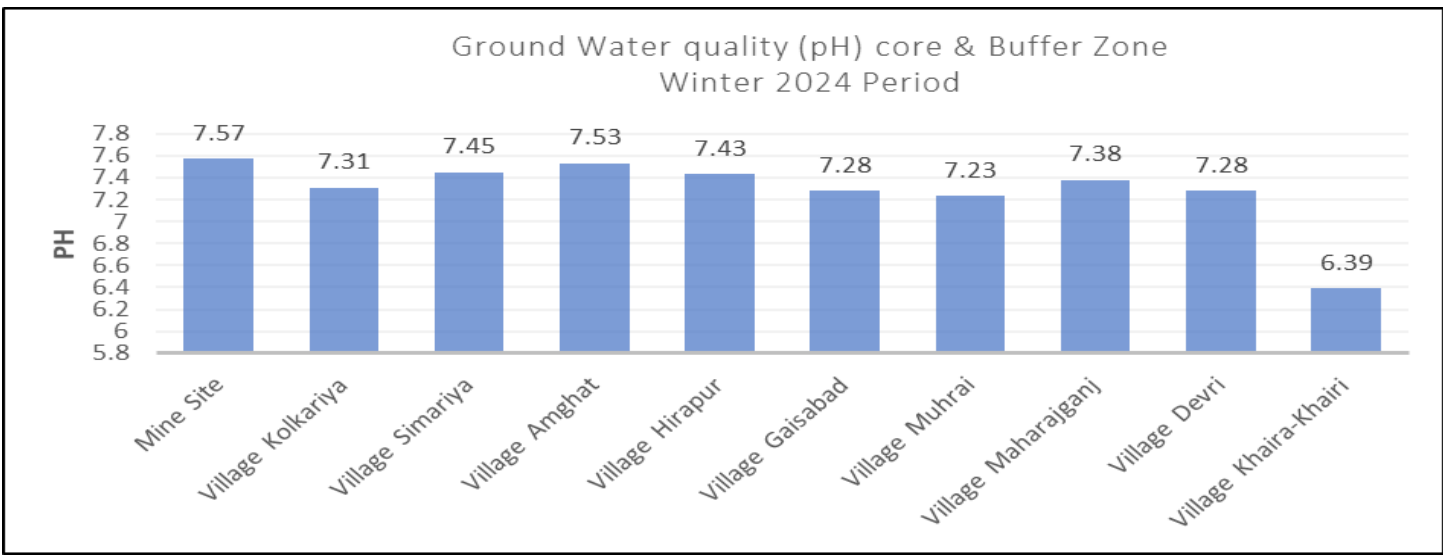
		ground water table at a later stage, than PP shall ensure that prior approval from CGWA and MoEFCC is in Place Before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.		
12)	Water Quality Monitoring and Preservation	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Ground water Department / State Pollution Control Board.	Complied	<p>Regular monitoring of groundwater level and quality is being carried out in and around the mining lease area as per the Environment Management Plan of approved Mining plan by establishing a network of existing wells in nearby 10 Villages.</p> <p>The unit has installed 1 no. of piezometers as per CGWA NOC for periodic monitoring of groundwater level and installed 1 DWLR (Digital Water Level Recorder) with telemetry system for online monitoring of groundwater level.</p> <p>Detailed ground water level monitoring and quality report for the period: October-23 to March-24 is enclosed as <b>Annexure-7</b>.</p>

Month	WATER LEVEL (mWC) (- means bgl)	
	Piezometer-1 (with telemetry)	Piezometer-2 (without telemetry)
Oct-23	-10.65	-7.8
Nov-23	-16.00	-13.5
Dec-23	-17.99	-15.35
Jan-24	-17.59	-12.14
Feb-24	-17.52	-11.42
Mar-24	-16.73	-11.81



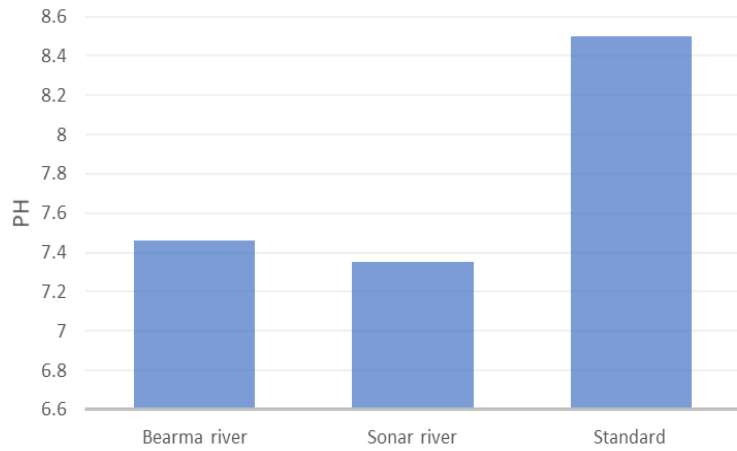
13)	Water Quality Monitoring and Preservation	<p>The Project Proponent shall undertake regular monitoring of natural water course/water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/Bodies existing in lease area shall be carried out four times in a year viz. per – monsoon (April May), monsoon (August), post –monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional office, Central Ground water Authority and Regional Director, Central Ground water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.</p>	Complied	<ul style="list-style-type: none"> <li>• Unit is monitoring the ground water and surface water quality including both River &amp; seasonal Nallah on quarterly basis i.e.: Pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) and upstream and downstream flow rate of surface water on monthly basis with the help of MoEF&amp;CC approved Laboratory.</li> <li>• Please refer the <b>Annexure-8</b> for analysis report for the period: Post- monsoon and Winter season.</li> <li>• There is/will be no any obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC.</li> <li>• All reports are being submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional office, Central Ground water Authority and Regional Director, Central Ground water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six- monthly basis.</li> <li>• Six monthly result trends analysis of Ground water is as given below: <ul style="list-style-type: none"> <li>❖ The ground water analysis for Core and Buffer zone stations shows that pH varied from 7.57 to 6.32 in post monsoon period while in Winter period pH varied from 6.39 to 7.57. Total hardness was varied from 146 to 192 mg/l, alkalinity varied from 120 to 174 mg/l and total dissolved solids varied from 332 to 486 mg/l in Post monsoon period while in Winter period total hardness varied from 138 to 182 mg/l, alkalinity varied from 114 to 166 mg/l and total dissolved solids varied from 315 to 461 mg/l.</li> </ul> </li> </ul>



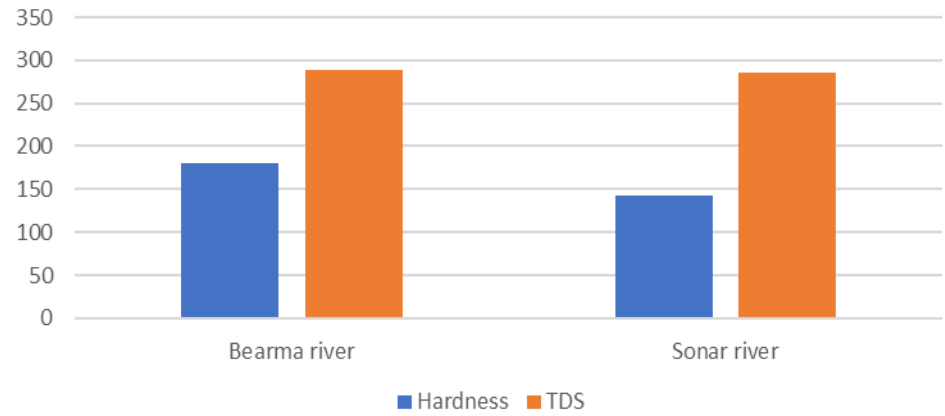




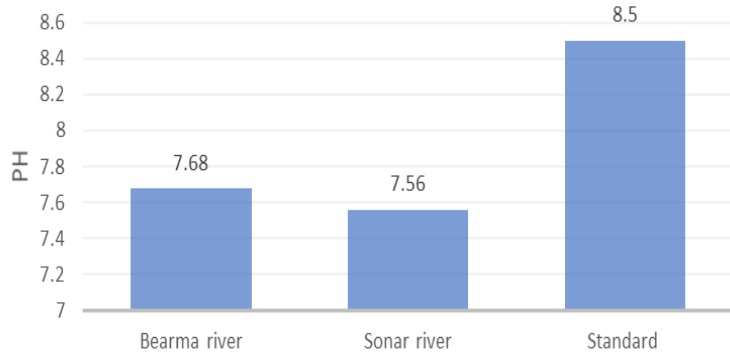
Surface water quality Post-Monsoon 2023



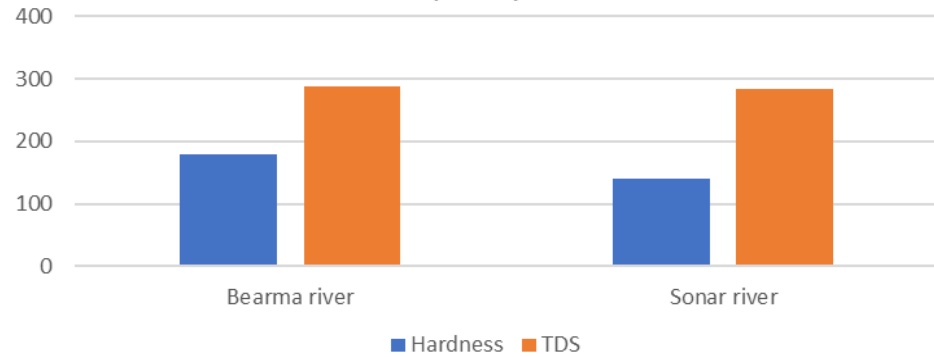
Surface water quality Post-Monsoon 2023

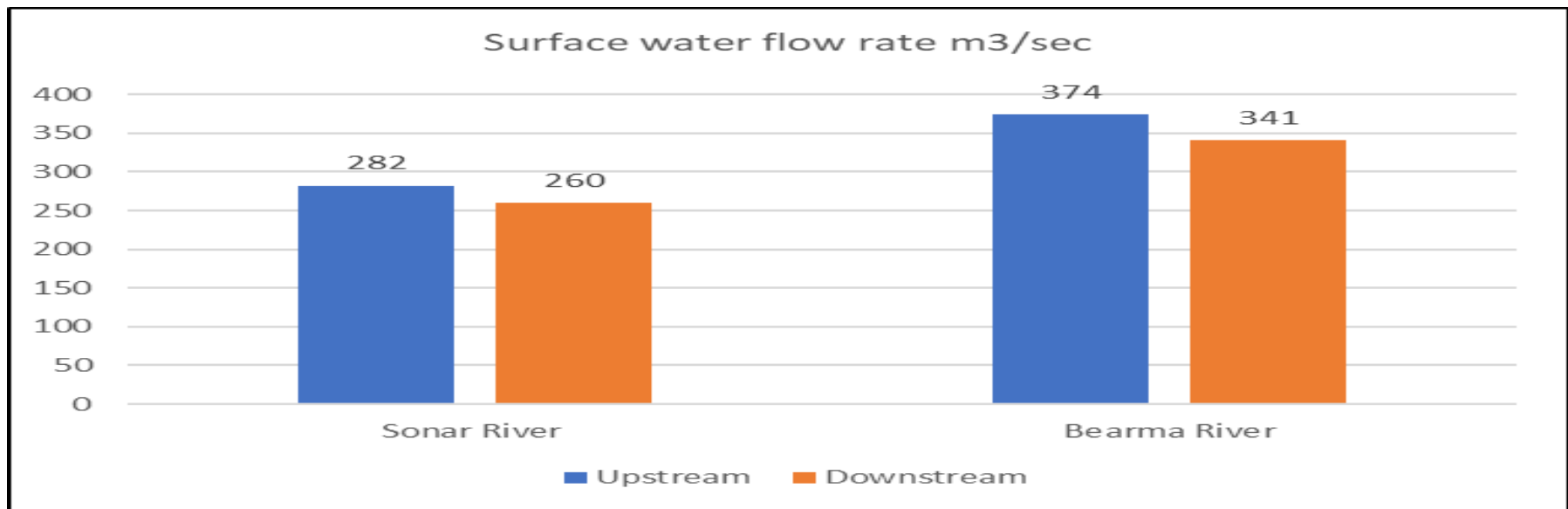


Surface water quality Winter 2024



Surface water quality Winter 2024





14)	Water Quality Monitoring and Preservation	<p>Quality of polluted water generated from mining operation which include Chemical Oxygen Demand (COD) in mine run-off: acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TSS), Dissolved Oxygen (DO), pH and Total Suspended solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the mine gate of the Company. The circular No. J-20018/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	Agreed to Comply	<ul style="list-style-type: none"> <li>• The Kolkarhiya Limestone Mine has been commenced on 21.03.2022 and is in development stage.</li> <li>• There is no wastewater generation from the Limestone mining operation as it is in developmental stage.</li> </ul>
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15)	Water Quality Monitoring and Preservation	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Ground water Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	Complied	<ul style="list-style-type: none"> <li>• Rainwater harvesting pond has been developed in village Kolkardiya to augment the water resources.</li> <li>• Siltation pond and Garland drain has been constructed to augment water table.</li> <li>• Surface rain water is collected in the lower most benches to augment Ground water resources.</li> </ul> Photos of implemented rainwater harvesting measures i.e.: Mine pit, RWH pond, Garland drain and Siltation pond etc. are enclosed as <b>Annexure-9</b> .
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Rainwater Harvesting in Mine Pit



Garland Drain



Siltation Pit-1



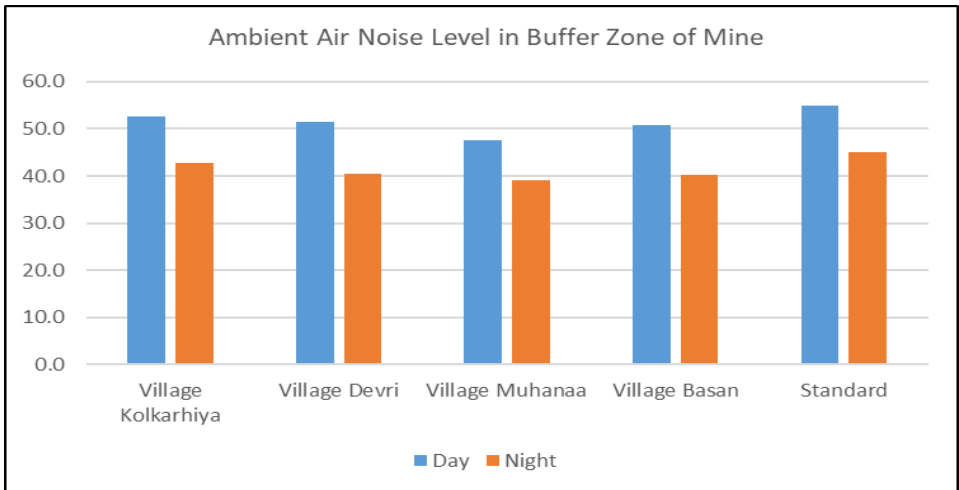
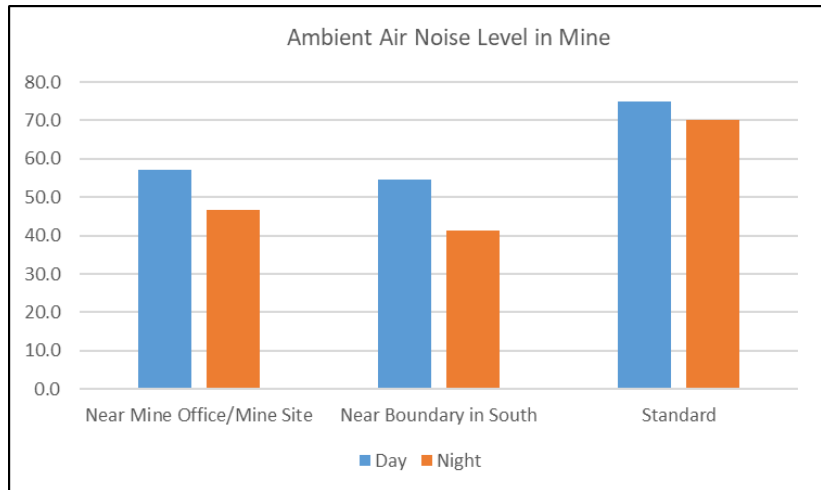
Siltation Pit-2



Bund along-with Mine Pit

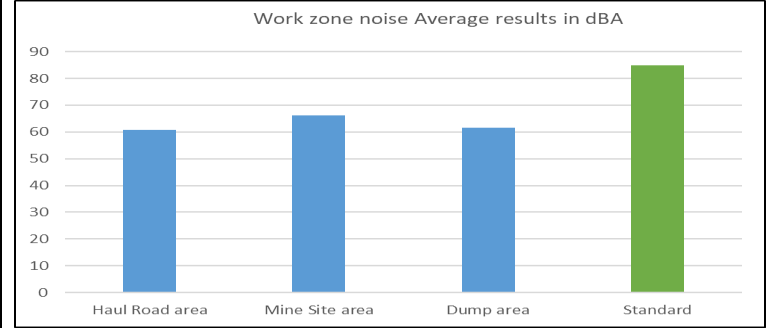
16)	Water Quality Monitoring and Preservation	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial Passage through oil and grease trap.	Complied	<ul style="list-style-type: none"> <li>• There is no industrial waste water generation from the Mine operation.</li> <li>• Workshop is yet to be installed. Workshop waste water will be passed through oil and grease trap and clear water will be reused for dust suppression. Separated Oil &amp; grease from waste water will be sold to recycler authorized from CPCB/SPCB.</li> <li>• Quality of water will be analyzed by NABL accredited Lab to confirm the standards prescribed by SPCB.</li> </ul>
17)	Water Quality Monitoring and Preservation	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Agreed to comply	The Kolkarhiya Limestone Mine has been commenced w.e.f. 21.03.2022 and is in development stage. Till now we have not constructed Borewell hence ground water consumption is nil. However, water audit will be conducted once we start consuming/utilizing water
<b>IV.</b>	<b>Noise and Vibration Monitoring and Preservation</b>			
18)	Noise and Vibration Monitoring and Preservation	The peak particle velocity at 500m distance or with the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Agreed to comply	<p>The Kolkarhiya Limestone Mine has been commenced on 21.03.2022 and is in development stage and limestone is being produced from float limestone lumps found on ground surface only.</p> <p>Blasting and magazine permission is obtained on 28.08.2023. PPV will be monitored periodically, as we start carrying out blasting activity and following measures will be implemented at due course of time.</p> <ul style="list-style-type: none"> <li>• Blasting operation will be carried out in day time only.</li> <li>• Sequential blasting machine (SBM), Delay detonator, Non-Electric detonator for blasting will be used to mitigate vibration.</li> <li>• Water injection system on DTH drill will be provided which suppresses dust at its source of generation.</li> </ul>
19)	Noise and Vibration Monitoring and	The illumination and sound at night at project sites disturb the villages in respect of both human and animal	Complied	<ul style="list-style-type: none"> <li>• Unit is maintaining the illumination and noise level well within permissible limits during day and night hours.</li> </ul>

	<p>Preservation</p>	<p>population. Consequent sleeping disorders and stress may affect the health in the villages location close to mining operation. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed: by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.</p>		<ul style="list-style-type: none"> <li>• Six monthly noise level monitoring report of ambient &amp; work zone area for the period: October-23 to March-24 are enclosed as <b>Annexure-10</b>. Please refer below graph showing 3<sup>rd</sup> &amp; 4<sup>th</sup> Quarter average Noise level results in Core zone as well as Buffer zone of Mine area.</li> </ul>
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20)	<p>Noise and Vibration Monitoring and Preservation</p>	<p>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operation of HEMM, etc. should be provided with ear plugs /Muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ Laborers</p>	Complied	<ul style="list-style-type: none"> <li>• Ear Plugs, Mask and other PPES has been provided to workers engaged in mining.</li> <li>• Onsite tool box talk is being conducted on daily basis to create awareness regarding safety and health aspect.</li> <li>• Work Zone Noise level monitoring is being carried out by MoEF&amp;CC approved laboratory and Noise level are well within the prescribed norms. Please refer <b>Annexure-11</b> for more detail of Noise level.</li> </ul>
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are working without personal protective equipment.



**V. Mining Plan**

21) Mining Plan

The Project Proponent shall adhere to approved mining plan, inter alia, including total exaction(quantum of mineral, waste, over burden, inter burden and top soil etc.): mining technology: lease area: scope of working (method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure: land- use of the mine lease area at various stages of mining scheme as well as at the end-of-life: etc).

Complied

- All mining activities are being carried out as per approved mining plan.
  - Excavation quantity is maintained well within the permitted limit.
- Excavation details for the period from April 2023 to March 2024 is given below: -

Month	Limestone (MT)	Over Burden (MT)	Top Soil (MT)
April'23	125	426.02	104.79
May'23	50	502.776	110.92
June'23	64	0	0
July'23	80	0	0
Aug'23	76	0	0
Sep'23	100	0	0
October'23	113	0	0
November'23	100	0	0
December'23	138	0	0
January'24	4	0	0
February'24	0	0	0
March'24	150	65071.16	7287.33
<b>Total</b>	<b>1000.00</b>	<b>65999.96</b>	<b>7503.04</b>

22) Mining Plan

The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved mining plan. The excavation vis-à-vis backfilling in the mine area shall be governed as per

Complied

- All mining activities are being carried out as per approved mining plan.
- Compliance status is being submitted to the MoEF&CC and its concerned Regional Office on Half Yearly basis regularly. Last half-yearly compliance report was sent on

		approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&CC and its concerned Regional Office.		07.11.2023 for the period from April 2023 to September 2023.
<b>VI.</b>	<b>Land Reclamation</b>			
23)	Land Reclamation	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should be kept active for a long period of time. The physical parameters of the OB/ waste dumps/ topsoil dump like height, width, width and angle of slope shall be governed as per the approved mining plan and the guidelines/ circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	Complied	<ul style="list-style-type: none"> <li>• Overburden generated during the mining operations is being stacked at earmarked OB dump sites only.</li> <li>• Physical parameters of the OB dumps i.e. height, width and angle of slope being maintained in compliance of the approved mining plan as per the guidelines /circulars issued by DGMS.</li> <li>• Top soil generation quantity from mining operation in the <b>FY: 2023-24 is 7503.04 MT</b>. It is being used for plantation purposes only. Please refer <b>annexure no 3</b> for photographs of the plantation done on top soil.</li> </ul>
24)	Land Reclamation	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slop stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring filling/leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes/ clay liners/ Bentonite etc. shall be undertaken for stabilization of the dump.	Complied	Noted, presently dumps are active and slope of dumps will be vegetated in scientific manner with suitable native species, gullies will be formed on slopes and filling and levelling of dump mass will be done with the help of dozer/ compactor once dumps become inactive.
25)	Land Reclamation	Catch drains, setting tanks and siltation ponds of appropriate size shall	Complied	Garland drain and setting tank has been constructed to prevent run off of water and flow of sediments directly into the

		be constructed around the mine working, mineral yards and top soil/ OB/ Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.		water bodies (Nallah/ River/ Pond etc.). The collected water will be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/sedimentation sumps etc. is being de-silted regularly and after proper sedimentation mine water is utilized for various purposes. Please refer <b>annexure 2</b> for photographs of the same.
26)	Land Reclamation	Check dams of appropriate size, gradient and length shall be constructed around mine pit OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept be kept of designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its. Adjoining area which shall also help in providing adequate retention period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.	Complied	Garland drain and setting tank has been constructed to prevent storm run-off and sediment flow into adjoining water bodies. The drains/sedimentation sumps etc. is being de-silted regularly and after proper sedimentation mine water is utilized for various purposes. Please refer <b>annexure 2</b> for photographs of the same.
<b>VII.</b>	<b>Transportation</b>			
27)	Land Reclamation	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitation. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All cost resulting from widening and strengthening of existing public road	Complied	Noted. No transportation of minerals is being done through roads passing villages/habitation.



		network shall be borne by the PP in consultation with nodal state govt. department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal state govt. department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. (If applicable in case of road transport).		
28)	Land Reclamation	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer Points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emission.	Partially Complied	<ul style="list-style-type: none"> <li>• Regular water sprinkling is being done on haul roads and loading and unloading point to control the fugitive emission.</li> <li>• Ambient air quality monitoring is being carried out on regular basis by NABL accredited laboratory and air pollution level are under norms.</li> <li>• Six monthly average Ambient air quality and fugitive emission monitoring reports for the period: October-23 to March-24 are enclosed as <b><u>Annexure-6</u></b>.</li> </ul> <p>Following measures will also be implemented in near future as Mining operation has been commenced on 21.03.2022, mine is in development stage and limestone is being produced from float limestone lumps found on ground surface only.</p> <ul style="list-style-type: none"> <li>• Water sprinkling system will be provided at the dump hopper to control the fugitive emission.</li> <li>• Crusher has yet not been installed and upon installation, air pollution control equipment's like bag filters, dry fogging system will be installed at crusher to avoid generation of dust while transportation.</li> </ul>
<b>VIII.</b>	<b>Green Belt</b>			

29)	Green Belt	The project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	Being Complied	<ul style="list-style-type: none"> <li>• Greenbelt development is a continual &amp; ongoing process, Plantation has been initiated around the mine lease and covered 1.02 ha area with 2632 no's of saplings up to March 2024.</li> <li>• Green belt in 7.5 m lease periphery/boundary (Area 32.392 ha) will be developed within first five-year subject to availability of land as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.</li> </ul> Photographs of plantation is enclosed as <b>Annexure-12</b>
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**Plantation done in FY 22-23 Monsoon at Mine Lease Boundary**



**Plantation Photographs of Kolkardiya Limestone Mine FY 2023-24**



30)	Green Belt	<p>The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community area etc. by Planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around</p>	Being Complied	<ul style="list-style-type: none"> <li>• Greenbelt development is a continual &amp; ongoing process. Plantation has been initiated around the mine lease and covered 1.02 ha area with 2632 nos saplings up to March 2024.</li> <li>• Green belt in 7.5m lease periphery/boundary (Area 32.392 ha) including the area of 2.516 ha covering 50mt safety barrier of the village road will be done within n first five years of the commencement of the mine.</li> <li>• Out of total mined-out area of 340.63 ha; at the conceptual stage 306.78 ha area will be reclaimed and rehabilitated by plantation on backfilled area .Remaining 33.85 ha area of pit B will be reclaimed by sub grade limestone for future use. Bench slope area of</li> </ul>
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		2500 saplings per hectare. Adequate budgetary provision shall be made for protection and care of trees.		74.95 ha shall also be brought under green belt development. Please refer <b>annexure-12</b> for photographs of plantation.
31)	Green Belt	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	Complied	Not Applicable. There is no grazing land in Mining Lease.
<b>IX. Public Hearing and Human Health Issues</b>				
32)	Public Hearing and Human Health Issues	Project Proponent shall make provision for the housing for workers/labors or shall contract labor camps within/ outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Complied	<ul style="list-style-type: none"> <li>All workers engaged belongs to local area and they are living in their own houses, therefore temporary structure/ hutments are not required.</li> <li>Employees are residing in colony situated at Hatta Tehsil, where all basic Infrastructure facilities are available.</li> </ul> <p>There is no temporary structure /hutment has been constructed.</p>
<b>X. Corporate Environment Responsibility (CER)</b>				
33)		The Project Proponent shall submit the time- bond action plan to the concerned regional office of the Ministry within 6	Being Complied	Activities proposed for CER will be implemented in a time bound manner and three years action plan of activities committed during public consultation has been submitted

		months from the date of issuance of environment clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/217-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.		through EC compliance dated 20.05.2023. However please refer <b>annexure-1</b> and compliance of <b>Sp. condition no 1</b> for status of budget spent under the CER activities committed.
<b>XI.</b>	<b>Miscellaneous</b>			
34)	Miscellaneous	The Project Proponent Shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned regional officer of the MoEF&CC.	Agreed to comply	Digital processing report of the entire lease area will be submitted with due course of time as Mining operation has been commenced on 21.03.2022.
35)	Miscellaneous	The Project Authorities should inform to the Regional Officer regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied	Noted, Final Approval of the Project by MoEFCC is 18.02.2022. Land development work started on 21.03.2022. Financial Closure dates for SMPL project to be informed.
36)	Miscellaneous	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEFCC & its concerned Regional Officer, Central Pollution Control Board and State Pollution Control Board.	Complied	Six monthly compliance report has been submitted to the MoEF&CC & it's concerned Regional Officer, Central Pollution Control Board and State Pollution Control Board. Last half-yearly compliance report was sent on 07.11.2023 for the period from April 2023 to September-23.
37)	Miscellaneous	A separate 'Environmental Management Cell' with suitable qualified manpower should be set up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientist and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied	A separate environmental management cell with qualified personnel is already established.

38)	Miscellaneous	The concerned Regional of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data /information/monitoring reports.	Agree to Comply	Noted, Full cooperation will be extended to the MoEF&CC officer(s) by furnishing the requisite data /information/monitoring reports.
39)	Miscellaneous	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter common cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Complied	Noted and all applicable laws will be followed.
40)	Miscellaneous	The Ministry or any other competent authority may alter/ modify the above conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Complied	Noted and all applicable laws and direction will be followed.
41)	Miscellaneous	Concealing facture to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Complied	Noted and all applicable laws and direction will be followed.



**Springway Mining Pvt. Ltd.  
(A Unit of JSW Cement)**

**Better Everyday**

**CSR Progress**

ANNEXURE-1

**Springway Mining Pvt. Ltd.**

A Unit of **JSW** Cement

## CER Budget Utilization FY 2023-24

Sl. No.	Themes	Activities	No. of beneficiaries	Budget Spent
1	<b>Health</b>	Eye Camp at Kolkarhiya	103	52,100
2		General Health Camp at Kolkarahiya	155	24,745
3		Eye Camp at Devri	97	56,400
4		General Health Camp at Devri	144	23,925
5		Eye camp at Gaisabad	170	47,400
6		General Health Camp at Gaisabad	230	35,295
7		Eye Camp at Garreh	104	56,600
8		General Health Camp at Garreh	127	21,845
9		Supply of essential medical equipment at Devri & Gaisabad health Sub Centre	4000	185,956



## CER Budget Utilization FY 2023-24

Sl. No.	Themes	Activities	No. of beneficiaries	Budget Spent
10	<b>Education</b>	Ditribution of Education Kits in Kolkarahiya, Devri, Raikra and Kuluwa, Gaisabad	800	552,871
11		Renovation of Gaisabad Anganwadi & Harijan Tola Primary School	130	767,000
12		Supply of 425 School benches and 5 sets of office furniture in Govt. Schools in Kolkarhiya, Devri, Raikra & Gaisabad Villages	850	2,146,625
13		Setting up Science laboratory-Physics, Chemistry & Bio in 1 Senior Secondary School (Gaisabad) : Furniture work & Lab equipment purchase	496	650,312
14		Inaugural function for handover the laboratories' equipment and furniture set up works at Higher Secondary School, Gaisabad		6,008
15	<b>Livelihood</b>	Grant support in paying the electricity connection and transformer charges for establishing and running Dona/Pattal making machine unit run of Kalumar village of Jabera Janpad Panchayat, district Damoh	30	261,441

## CER Budget Utilization FY 2023-24

Sl. No.	Themes	Activities	No. of beneficiaries	Budget Spent
17	<b>Women Empowerment</b>	Support provided to Nai Duniya Newspaper towards Nayika Samman Programme	55	118,000
18		Celebration of International Women's day	200	73,170
19	<b>Sports &amp; Culture</b>	Payment to Panna Collector-Towards celebration of Gaurav Diwas on the occasion of Chatrsal Jayanti		200,000
20	<b>Water</b>	Borewell & 3 Hand Pump Installation (Kolkarahiya & Raikra Villages) & 1 Borewell and motorized system setup at Devri Village	350	407,561
21	<b>Plant purchase, Plantation with tree guard installation</b>	2500 Plantation and tree guard installation in Schools and Mine area		918,500
22	<b>Rural Infrastructure</b>	Installation of 98 Street Solar lights at Village Kolkarhiya, Devri, Raikra and Kuluwa, Sanjay Nagar, Garreh, Gaisabad, Mahua Kheda, Bichua Chkka, Baleh & Adanwara Villages	8000	1,684,467
<b>Total</b>			<b>16041</b>	<b>8,300,221</b>

# CER Activities at SMPL-Hatta



## Eye Check Up Camp was Organized at Gaisabad (Plant area)

- Total : 160 people availed the services;
- 34 patient were treated for vision correction & given spectacles,
- 42 patient were given medicine
- 47 have been referred for cataract surgery
- 37 people found normal eye



# CER Activities at SMPL-Hatta



## Health Check Up Camp was Organized at Gaisabad (Plant area)

Total : 230 people availed the services;

All patient were given the required medicine which includes the treatment of fever, Sugar, Cough, Stomach pain, Blood Pressure, Calcium, Multi vitamins tablets etc.

The patient were provided the check up of Hemoglobin ,Blood Pressure, Blood Sugar, Pulse Rate, SpO2,Height and Weight



# CER Activities at SMPL-Hatta



## Eye Check Up Camp was Organized at Kolkarhiya (Mines area)

Total : 106 people availed the services;  
42 patient were treated for vision correction & given spectacles,  
62 patient were given medicine  
27 have been referred for cataract surgery



# CER Activities at SMPL-Hatta



## Eye Check Up Camp was Organized at Garreh (Plant area)

Total : 104 people availed the services;  
49 patient were treated for vision correction & given spectacles,  
91 patient were given medicine  
42 have been referred for cataract surgery



# CER Activities at SMPL-Hatta



## Health Check Up Camp was Organized at Garreh (Mines area)

Total : 127 people availed the services;

All patient were given the required medicine which includes the treatment of fever, Sugar, Cough, Stomach pain, Blood Pressure, Calcium, Multi vitamins tablets etc.

The patient were provided the check up of Hemoglobin ,Blood Pressure, Blood Sugar, Pulse Rate, SpO2,Height and Weight



# CER Activities at SMPL-Hatta



## Eye Check Up Camp was Organized at Devri (Plant area)

Total : 97 people availed the services;  
52 patient were treated for vision correction & given spectacles,  
60 patient were given medicine  
32 have been referred for cataract surgery





## Health Check Up Camp was Organized at Devri (Mines area)

Total : 144 people availed the services;

All patient were given the required medicine which includes the treatment of fever, Sugar, Cough, Stomach pain, Blood Pressure, Calcium, Multi vitamins tablets etc.

The patient were provided the check up of Hemoglobin ,Blood Pressure, Blood Sugar, Pulse Rate, SpO2,Height and Weight



# CER Activities at SMPL-Hatta



**98 Solar street lights** installed at Gaisabad (28), Kolkarahiya (20), Devri (8), Kulwa (2), Raikra (10), Garreh (9), Sanjay Nagar (4), Mahua Kheda (3), Bichua Chakka (2), Basan (2), Adanwara (6), Baleh (4)

Around 8000 villagers are getting benefitted.

# CER Activities at SMPL-Hatta

Anganwadi renovation: Pictures before renovation



Anganwadi pictures after renovation



# CER Activities at SMPL-Hatta

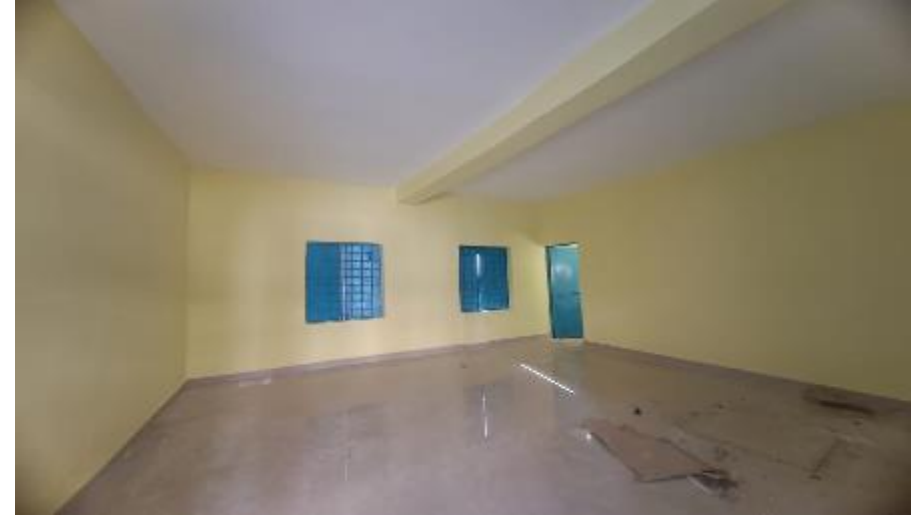
Primary School renovation: before



Primary School renovation: after



# CER Activities at SMPL-Hatta



Anganwadi renovation work at Gaisabad Village

# CER Activities at SMPL-Hatta



**800 Educational Kits** were distributed in Primary and Middle Schools at Gaisabad, Kolkarahiya, Devri and Raikra Village ( School bag, Note books, Pen, Pencil, Color box, Dental kits, Eraser and Sharpener)

**Installation of 350 School Benches** (Dual Two -Seater) with writing table in 8 Schools of surrounding villages in Mines and Plant area (Kolkarahiya, Devri, Raikra & Gaisabad) : **700 students beneficiaries**

# CER Activities at SMPL-Hatta



## Borewell cum Handpump installation Work



Gaisabad Village



Kolkarhiya Village



Raikra Village



Devri Village

## Plantation work at Mines and Plant area





**Photographs : Preparation of Dona & Pattal in Jabera Dona Pattal Unit**



**Preparation of Pattal**



**Preparation of Dona**

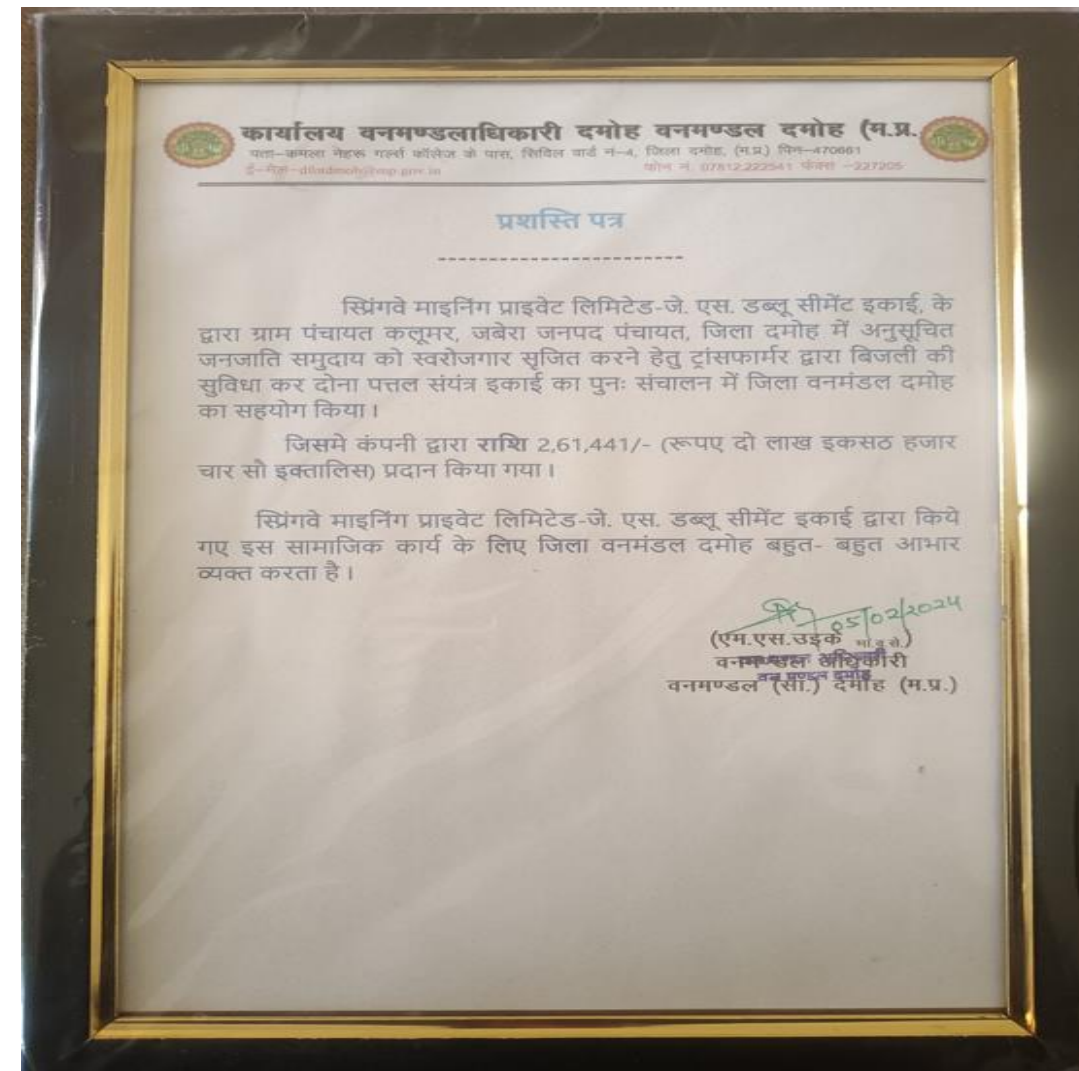


**Finished Product**

## Photographs : Appreciation letter from District forest officer, Damoh



**Mr. Ashray Upadhyay, Range Officer, Forest Dept. Giving the appreciation letter to Mr. Amit, Manager, CSR**



**Appreciation certificate**

## Photographs : Supply of equipment at Gaisabad Sub Health Center

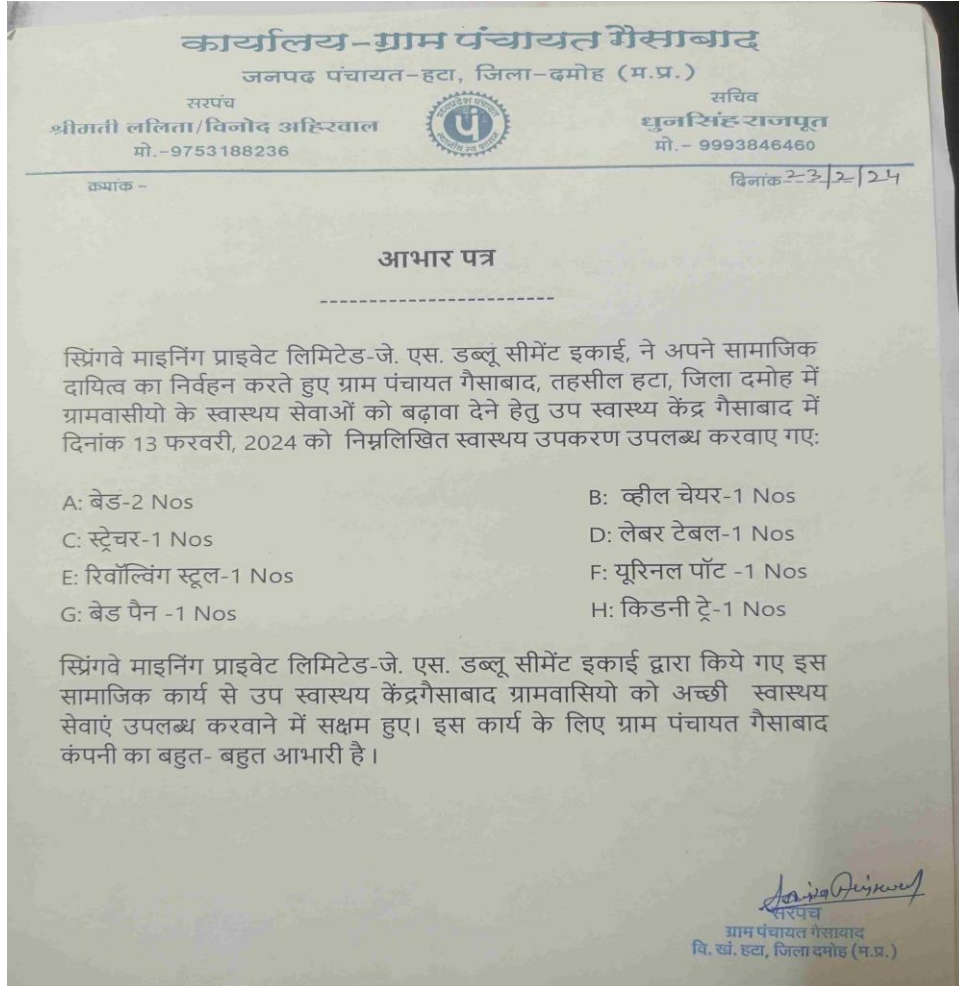


Donating and installation of medical equipment to Gaisabad health Sub-center in presence of Sarpanch, CHO & Villagers

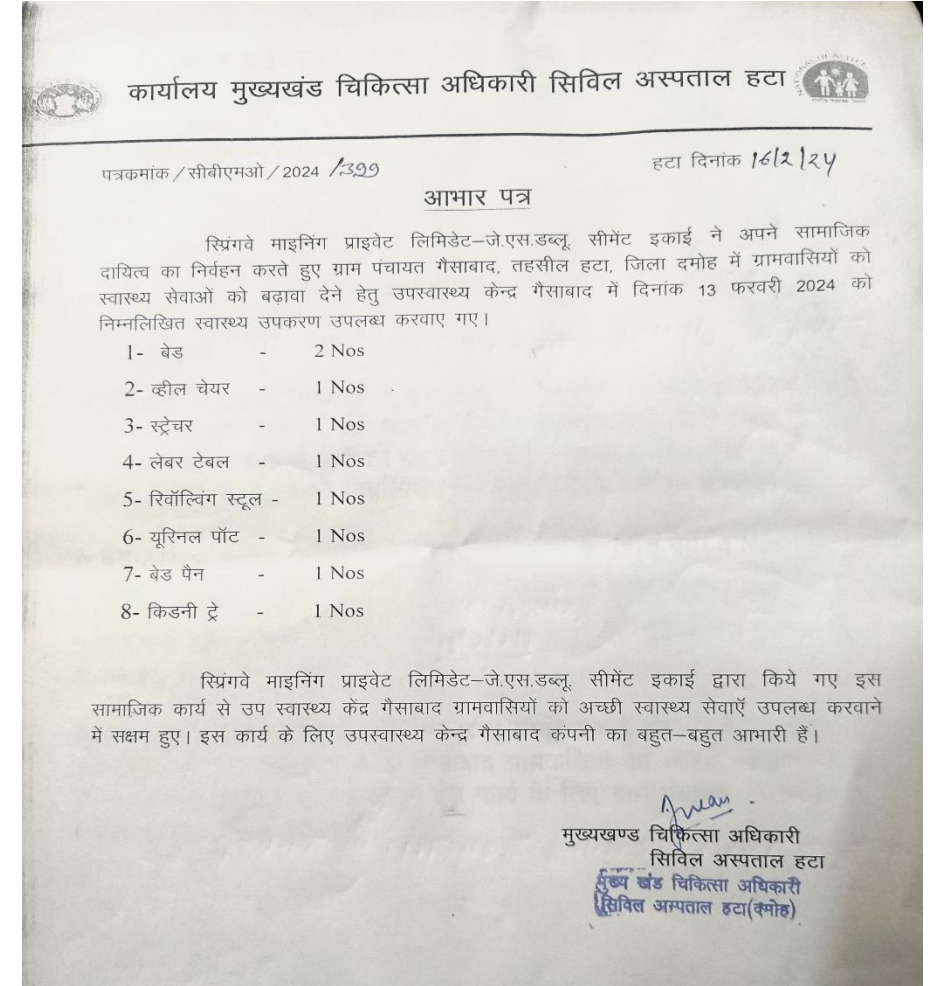


[https://www.youtube.com/watch?v=FK1Hv\\_YVwnk](https://www.youtube.com/watch?v=FK1Hv_YVwnk)

Media coverage in local electronic media



Appreciation letter received from Panchayat, Gaisabad

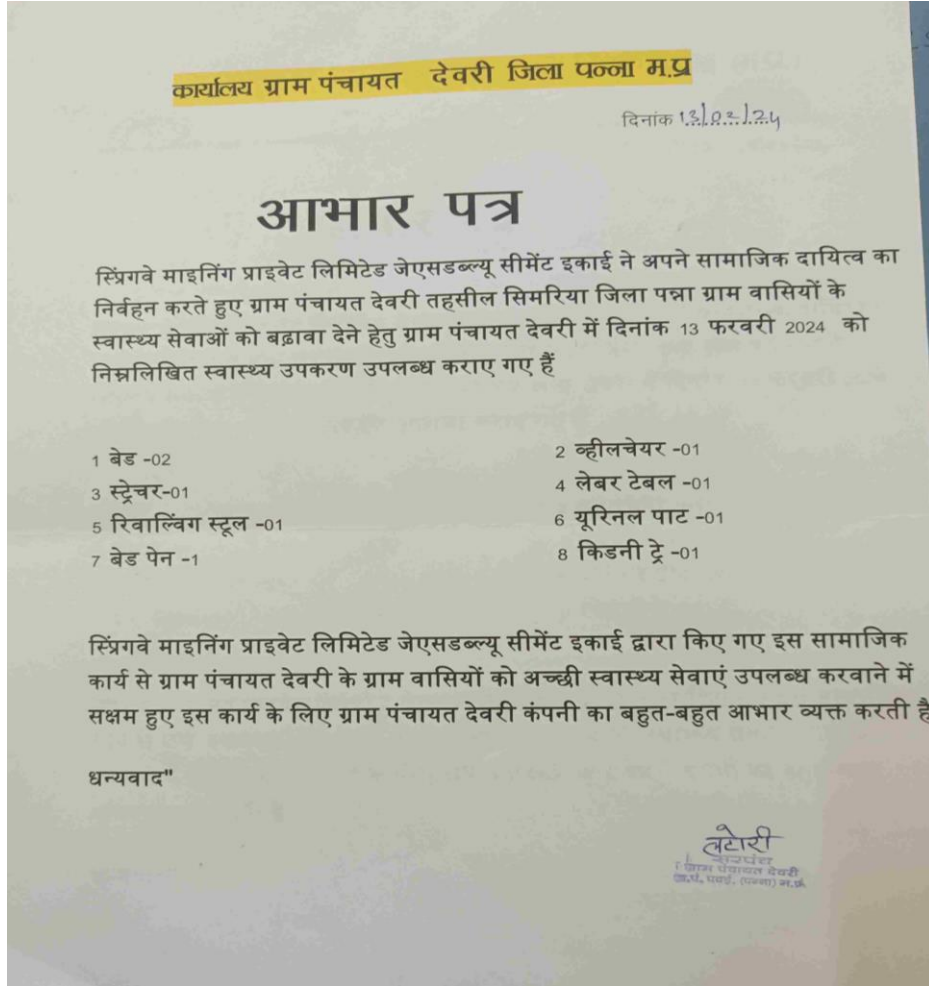


Appreciation letter received from Block Medical Officer, Hata (Gaisabad)

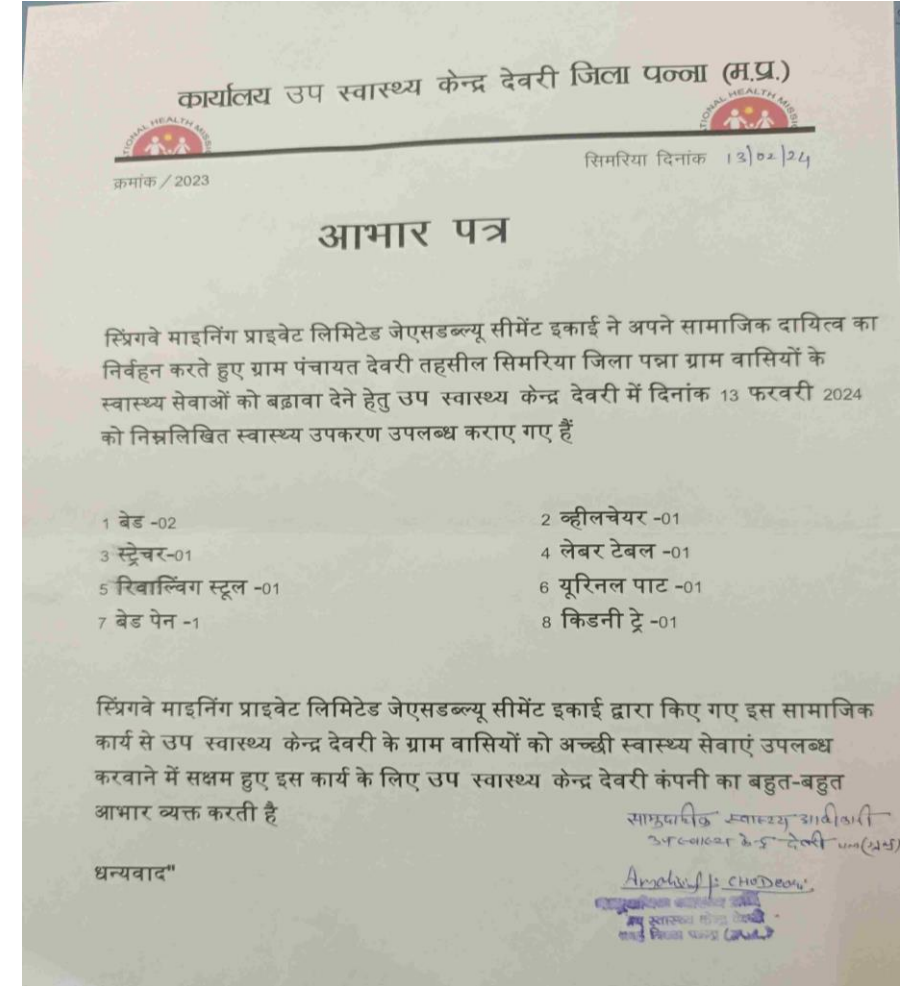
## Photographs : Supply of equipment at Devri Sub Health Center



**Donating and installation of medical equipment to Devri health Sub-center in presence of Sarpanch, CHO & Villagers**



Appreciation letter received from Panchayat, Deori



Appreciation letter received from Sub Health Center, Deori

# Photographs : International Women's day Celebration



# Photographs : International Women's day Celebration





# Photographs : International Women's day Celebration



# Photographs: Science laboratory set up



# Photographs: Science laboratory set up



# Photographs: Science laboratory set up



## स्प्रिंगवे माइनिंग प्राइवेट लिमिटेड -जे. एस. डब्लू सीमेंट द्वारा निशुल्क सोलर लाइटों को लगाया गया

हिंदुस्तान समाज दमोह विजय यादव दमोह हटा। स्प्रिंगवे माइनिंग प्राइवेट लिमिटेड -जे. एस. डब्लू सीमेंट की इकाई के द्वारा निशुल्क बीस सोलर स्ट्रीट लाइटों की गैसाबाद ग्राम पंचायत में स्थापना स्प्रिंगवे माइनिंग प्राइवेट लिमिटेड -जे. एस. डब्लू सीमेंट की इकाई के द्वारा संभावित प्लॉट गैसाबाद ग्राम पंचायत एवं आसपास के ग्रामों में विभिन्न ग्रामीण विकास के कार्यों के तहत ग्राम पंचायत गैसाबाद में पंचायत द्वारा बताये गए स्थानों पर बीस सोलर लाइट आमजन उपयोग हेतु जगहों पर कंपनी द्वारा निशुल्क सोलर स्ट्रीट लाइटों की गैसाबाद ग्राम पंचायत में स्थापना की गयी 7 कम्पनी ने बताया की इस प्रकार के ग्रामीण विकास के कार्य



कम्पनी द्वारा सतत इन ग्राम पंचायतों में किया जाता रहेगा।

## नेत्र शिविर का हुआ आयोजन

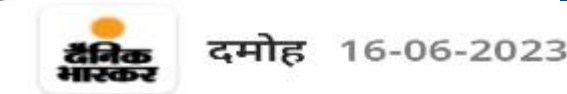
हटा@पत्रिका. स्प्रिंगवे जीएसडब्ल्यू माइनिंग प्राइवेट लिमिटेड सीमेंट द्वारा निः शुल्क नेत्र शिविर का आयोजन गैसाबाद ग्राम पंचायत में रखा गया। जिसमें निःशुल्क नेत्र जांच व परामर्श किया गया। इसमें ग्रामीण क्षेत्रों के सभी लोगों ने आंखों की जांच की गई। डॉक्टरों की टीम के द्वारा आवश्यकता अनुसार उनको निःशुल्क चश्मा और दवाइयों वितरण की गई। इस अवसर पर ग्राम पंचायत के जनप्रतिनिधि

## स्वास्थ्य शिविर में 230 मरीजों की जांच कर दवाइयां दी

दमोह। गैसाबाद में बस स्टैंड के पास बालक प्राथमिक शाला परिसर में निशुल्क स्वास्थ्य जांच एवं परामर्श शिविर का आयोजन स्प्रिंगवे माइनिंग प्राइवेट लिमिटेड की ओर से किया गया। यह कंपनी जेएसडब्ल्यू सीमेंट की एक इकाई है। शिविर में सुबह 9.30 बजे से दोपहर 1.30 बजे तक 230 से ज्यादा मरीज पहुंचे। जिनकी होमोग्लोबिन, शुगर, बीपी, बुखार, खासी, जुकाम की जांचें और दवाइयां निशुल्क प्रदान की गईं। इस शिविर में मिशन होस्पिटल दमोह के डॉक्टरों द्वारा इलाज किया गया। जिसमें मरीजों की बीपी शुगर और हीमोग्लोबिन की जांच की गई। 230 लोगों ने इस शिविर का लाभ उठाया। महिलाओं ने सबसे ज्यादा इस शिविर में भाग लेकर अपना स्वास्थ्य परीक्षण करवाया।



हटा - स्प्रिंगवे माइनिंग प्राइवेट लिमिटेड JSW सीमेंट कम्पनी गैसाबाद



## गैसाबाद में सरकारी स्कूल के बच्चों को पठन सामग्री प्रदान की

हटा। गैसाबाद क्षेत्र में आगामी दिनों में स्थापित होने वाली सीमेंट कंपनी के द्वारा अपने प्रारंभिक काल से ही समाज कल्याण के ताल कार्य करना शुरू कर दिया है। कंपनी द्वारा ग्राम के सरकारी स्कूल में दर्ज विद्यार्थियों को स्कूल से जोड़े रखने अत्यायन सामग्री प्रदान की गई। जिसके अंतर्गत प्राथमिक बालक शाला गैसाबाद, आदिवासी टोला गैसाबाद, कन्या शाला गैसाबाद में दर्ज विद्यार्थियों के लिए गुब्बार को स्कूल में आमंत्रित कर उन्हें बैग, कॉपियां, पेन, पैसिल, रबर, कटर, ब्रश, कलर्स एवं एक डेटल किट प्रदान की गई। यह सामग्री फावर उत्सवहिले दिखे बच्चों को स्कूल खुलने पर प्रतिदिन स्कूल आने एवं मन लगाने पर्याप्त करने पर अन्य पुरस्कार दिए जाने की बात कही गई। इस अवसर पर स्प्रिंगवे माइनिंग प्राइवेट लिमिटेड कंपनी के अधिकारियों एवं स्कूल स्टाफ की उपस्थिति रही।



## 170 मरीजों का हुआ स्वास्थ्य परीक्षण



दोपहर 1 बजे तक शिविर का आयोजन किया गया। होमोग्लोबिन, शुगर, बीपी बुखार, खासी, जुकाम की जांच की गई। साथ ही वधाओं का वितरण किया गया। इसमें 170 मरीजों ने भाग लिया।

## Media Coverage

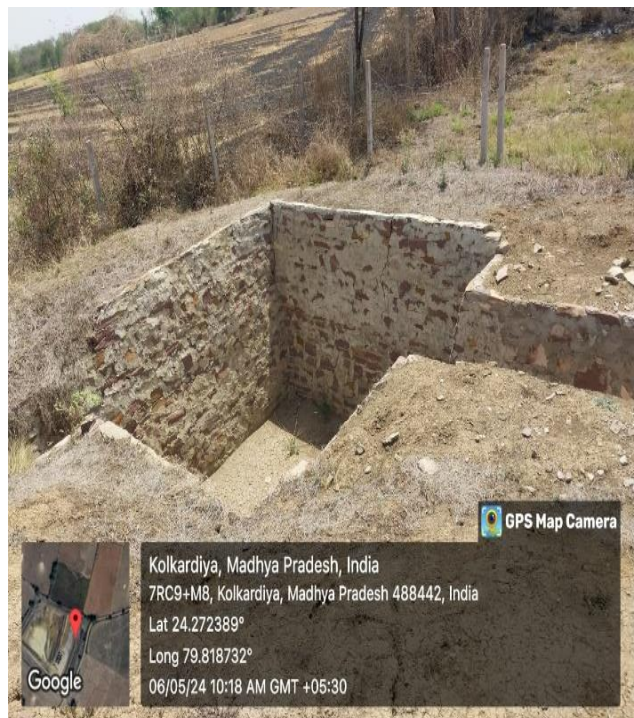
**THANK YOU**



**Photographs of the protected Garland drain by wire fencing along the pit area**



**Siltation Pit -1 (L&W 5.3 and Depth 4.3 meter)**



**Siltation Pit -2 (L&W 5.5 and Depth 2.8 meter)**



**Photographs of bund along with proposed excavation area**



Photographs of Plantation on Top Soil





## ANNEXURE-4

Details of Medical Examination (Under Rule 29B of MMR 1961)					
Kolkarhiya Limestone Mines					
M/s Springway Mining Pvt Ltd					
S.No.	Emp. Name	Organization Name	Type of Appointment	Designation	Date of Medical Examination
1	Mr. Varimalla Yugandhar Reddy	M/s Springway Mining Pvt Ltd	Departmental	Asst Manager - Mines	01.02.2024
2	Mr. Aditya Pandey	M/s Springway Mining Pvt Ltd	Departmental	Foreman-Mines	26.02.2024
3	Mr. Saurav Tiwari	M/s Springway Mining Pvt Ltd	Departmental	Foreman-Mines	04.03.2024
4	Mr. Ranjan Kumar Das	M/s Springway Mining Pvt Ltd	Departmental	Mining Mate	10.10.2022
5	Mr. Kishor Singh Tanwar	M/s Springway Mining Pvt Ltd	Departmental	Blaster	10.02.2024
6	Mr. Anil Kol	M/s Ramesh Chandra Grover	Contractual	Tipper Operator	05.03.2024
7	Mr. Lokesh Yadav	M/s Ramesh Chandra Grover	Contractual	Tipper Operator	05.03.2024
8	Mr. Surendra Yadav	M/s Ramesh Chandra Grover	Contractual	Tipper Operator	05.03.2024
9	Mr. Ravindra Raja	M/s Ramesh Chandra Grover	Contractual	Excavator Operator	05.03.2024
10	Mr. Dharam Veer	M/s Ramesh Chandra Grover	Contractual	Supervisor	05.03.2024
11	Mr. Pinku Rajak	M/s Ramesh Chandra Grover	Contractual	Water Tanker Operator	19.03.2024
12	Mr. Vikash Patel	M/s Ramesh Chandra Grover	Contractual	Loader Operator	19.03.2024
13	Mr. Lalit Sagar Baraman	M/s Ramesh Chandra Grover	Contractual	Supervisor	03.04.2024
14	Mr. Ramesh Chodhary	M/s Ramesh Chandra Grover	Contractual	Tipper Operator	09.04.2024
15	Mr. Dubendra Pal	M/s Ramesh Chandra Grover	Contractual	Tipper Operator	09.04.2024
16	Mr. Durgesh Pal	M/s Ramesh Chandra Grover	Contractual	Tipper Operator	09.04.2024
17	Mr. Suresh Dubey	M/s Ramesh Chandra Grover	Contractual	Water Tanker Operator	09.04.2024
18	Mr. Tirlok Parihar	M/s Geotech Exploration	Contractual	Core Drilling Helper	22.03.2024
19	Mr. Kamta Parihar	M/s Geotech Exploration	Contractual	Core Drilling Operator	22.03.2024
20	Mr. Sulab Singh	M/s Geotech Exploration	Contractual	Core Drilling Helper	22.03.2024
21	Mr. Deepak Bithle	M/s Geotech Exploration	Contractual	Core Drilling Helper	22.03.2024
22	Mr. Govind Jagle	M/s Geotech Exploration	Contractual	Core Drilling Supervisor	22.03.2024
23	Mr. Rakesh Chirav	M/s Geotech Exploration	Contractual	Core Drilling Operator	22.03.2024

**FORM - O**  
 (See Rule 29F (2), and 29L)  
**REPORT OF MEDICAL EXAMINATION UNDER RULE 29B**  
 (To be issued in triplicate)\*\*

Certificate No. ....

Certified that Shri / Shrimathi\* Aditya Pandey  
 employed as Foreman .....

In Kolharhiya L.S. Mines mine, Form B No. 16 .....

has been examined for an initial/periodic\* medical examination. He/She\* appears to be  
25 years of age. The findings of the examining authority  
 are given in the attached sheet. It is considered that Shri / Shrimathi\*  
Aditya Pandey .....

- (a) \* is medically fit for any employment in mines.
- (b) \* is suffering from .....


.....  
 and is medically unfit for .....

- (i) any employment in mine ; or
- (ii) any employment below ground; or
- (iii) any employment or work .....

- (c) \* is suffering from .....

.....  
 and should get this disability\* cured / controlled and should be again examined within a period of  
 ..... months. \* He/She will appear for re-examination with the result of test  
 of..... \* and the opinion of  
 ..... specialist from  
 ..... He/She\* may be permitted /not\* permitted to carry on  
 his duties during this period.



  
 Signature of the Examining authority  
**Dr. V. K. Sharma**  
 (MO) C.H. Hatta  
 Damoh (MP)  
 Name and Designation in  
 Block Letters.

vide  
 Dr. V. K. Sharma  
 (MO) C.H. Hatta  
 Damoh (MP)  
 Displace: Hatta

Date: 26-02-2024

\*\* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post; and the third copy shall be retained by the examining authority.

FORM O (Contd.)

REPORT OF THE EXAMINING AUTHORITY

(to be filled in for every medical examination whether initial or periodical or re-examination or after cure / control of disability).

Annexure to certificate No. .... as a result of medical examination on

Identification Mark ..... mole on right shoulder .....

Left thump impression of the candidate,

1. General development Good / Fair / Poor.
2. Height 1.65..... Cms. 3. Weight..... 69.....Kgs.
4. Eyes:
  - (i) Visual acuity-Distant Vision (with or without glasses)
 

Right eye ..... <u>N.(6/6)</u> .....	Left Eye ..... <u>N.(6/6)</u> .....
--------------------------------------	-------------------------------------
  - (ii) Any organic disease of eyes:
  - (iii) Night blindness : NA
  - (iv) Colour blindness : NA
  - (v) Squint : (to NAsted in special cases)
5. Ears:
  - (i) hearing Right ear ..... N.....
  - Left ear ..... N.....
  - (ii) any organic disease : NO
6. Respiratory System :
 

Chest measurement :	
(i) after full inspiration .....	<u>94</u> ..... Cms.
(ii) after full expiration .....	<u>90</u> ..... Cms.
7. Circulatory System :
 

Blood Pressure	: <u>124/82</u>
Pulse	: <u>80 bpm</u>
8. Abdomen :
 

Tenderness	: <u>Nil</u>
Liver	: <u>N</u>
Spleen	: <u>NAD</u>
Tumour	: <u>Nil</u>

9. Nervous System :  
History of fits or
- Epilepsy : Nil
- Paralysis : Nil
- Mental Health : Normal
10. Locomotor System : NAP
11. Skin : NAP
12. Herina : Nil
13. Hydrocele : Nil
14. Any other abnormality:
15. Urine :
- Reaction : Acidic
- Albumin : Nil
- Sugar : 104.0 mg/dl
16. Skiagram of chest : NAP
17. Any other test considered necessary by the  
examining authority : Nil
18. Any opinion of specialists considered necessary.

Place : Hatta

Date : 26-02-2024



Report of Medical Examination under Mines Rule 29B

(To be used in continuation with Form 0)

Certificate No.

Name: *Aditya Pandey*

Identification Marks: *Mole on right shoulder*

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)			N
Forced Vital Capacity 1 FEV1			N
FEV 1 /FVC			M
Peak Expiratory Flow			N

Spirometry Report enclosed

*Vidish*  
Signature of Examination Authority  
**Dr. V. K. Sharma**  
(MO) C.H. Heita  
Dist. Damoh (MP)

Report off Medical Examination as per the recommendations of National Safety Conferences in Mines

(To be used in continuation with Form 0)

Certificate No.

Name: *Aditya Pandey*

Identification Marks: *Mole on right shoulder*

1. Cardiological Assessment

Auscultation	S1	
	S2	
	Additional Sound	
Electrocardiograph (12 leads)	Normal/ Abnormal	

Enclosed ECG

2. Neurological Assessment

Findings	Normal/Abnormal
Superficial Reflexes	✓
Deep Reflexes	✓
Peripheral Circulation	✓
Vibrational Syndromes	✓

3. ILO Classification of Chest Radiograph:

Profusion of Pneumoconiotic opacities	Grades	Types
Present/Absent		

Enclosed Chest Radiograph

4. Audiometry Findings:

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal/Abnormal	Normal/Abnormal
Bone Conduction.	Normal/Abnormal	Normal/Abnormal

Enclosed Audiometry Report.



5. Pathological/Microbiological Investigations:

S.No	Tests	Findings
1.	Blood- Tc, Dc, Hb, ESR, Platelets	WNL/Abnormal
2.	Blood Sugar- Fasting & PP	WNL/Abnormal
3.	Lipid profile	WNL/Abnormal-
4.	Blood Urea, Creatinine	WNL/Abnormal
5.	Urine Routine	WNL/Abnormal
6.	Stool Routine	WNL/Abnormal

Enclosed Investigation Reports.

6. Special Tests for Mn exposure

Behavioral Disturbances		<del>Present/</del> Not Present
Neurological Disturbances	Speech Defect	Present/ Not Present
	Tremor	Present/ Not Present
	Adiadocokinesia	<del>Present/</del> Not Present
	Emotional Changes	<del>Present/</del> Not Present

7. Any other Special Test Required:

*Vidya*  
Signature of **Dr. V. K. Sharma**  
(MO) Examination Authority  
Dist. Damoh (MP)

**FORM - O**  
(See Rule 29F (2), and 29L)  
**REPORT OF MEDICAL EXAMINATION UNDER RULE 29B**  
(To be issued in triplicate)\*\*

Certificate No.

Certified that Shri / Shrimathi\* SAURAV KUMAR TIWARI

employed as Fittermen

In Kolkathiya, HS mines mine, Form B No. 17

has been examined for an initial/periodical\* medical examination. He/She \* appears to be

26 years of age. The findings of the examining authority

are given in the attached sheet. It is considered that Shri / Shrimathi\*

SAURAV KUMAR TIWARI

(a)  is medically fit for any employment in mines.

(b)  \* is suffering from N/A

and is medically unfit for

(i) any employment in mine ; or

(ii) any employment below ground; or

(iii) any employment or work

(c) \* is suffering from

and should get this disability\* cured / controlled and should be again examined within a period of

.....months. \* He/She will appear for re-examination with the result of test

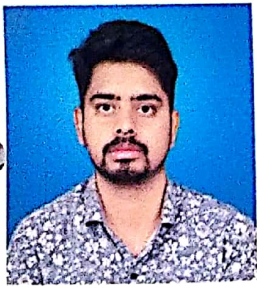
of..... \* and the opinion of

..... specialist from

..... He/She\* may be permitted /not\* permitted to carry on

his duties during this period.

**Dr. AVNISH KR. TARWEY**  
*Avnish, Tarwey*  
Signature of the Examining authority  
Reg. No. 5206



Name and Designation in  
Block Letters.

**SAURAV KUMAR TIWARI**  
**(ASSISTANT ENGINEER)**

Place: DALTONGANJ

Date: 04-03-2024

\*\* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post; and the third copy shall be retained by the examining authority.

REPORT OF THE EXAMINING AUTHORITY

(to be filled in for every medical examination whether initial or periodical or re-examination or after cure / control of disability).

Annexure to certificate No. .... as a result of medical examination on  
Identification Mark ..... MOLE MARK NEAR RIGHT SIDE EYEBROW

Left thump impression of the candidate,

- 1. General development Good / Fair / Poor. ✓
- 2. Height 162 Cms. 3. Weight 63 Kgs.
- 4. Eyes:
  - (i) Visual acuity-Distant Vision (with or without glasses)
    - Right eye 6/6 Left Eye 6/6
  - (ii) Any organic disease of eyes: | NAD
  - (iii) Night blindness : |
  - (iv) Colour blindness : |
  - (v) Squint : (to sted in special cases)
- 5. Ears:
  - (i) hearing Right ear 28.3 dBHL
  - Left ear 21.6 dBHL
  - (ii) any organic disease :
- 6. Respiratory System :
  - Chest measurement :
    - (i) after full inspiration ..... Cms.
    - (ii) after full expiration ..... Cms.
- 7. Circulatory System : S1S2M0
  - Blood Pressure : 122/78 mmHg
  - Pulse : 74 b/min
- 8. Abdomen : Soft, and non tender and no organomegally
  - Tenderness : } HNL
  - Liver : }
  - Spleen : }
  - Tumour : }

9. Nervous System : NO any deformity  
 History of fits or : NO history fits
- Epilepsy : NO
- Paralysis : NO
- Mental Health : normal.
10. Locomotor System : WNL.
11. Skin : NO any deformity
12. Herina : NO any deformity
13. Hydrocele : NO any deformity
14. Any other abnormality: NO any deformity.
15. Urine : clear,  
 Reaction : ACIDIC (6.5 PH)  
 Albumin : NIL  
 Sugar : NIL
16. Skiagram of chest : normal.
17. Any other test considered necessary by the  
 examining authority : NOT any.
18. Any opinion of specialists considered necessary. Apperly fits

Place : Daltonganj  
 Date : 04-03-2024

Report of Medical Examination under Mines Rule 29B

(To be used in continuation with Form 0)

Certificate No.

Name:

SAURAV KUMAR TIWARI

Identification Marks: MOLE MARK NEAR RIGHT SIDE EYEBROW.

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	03.25	02.93	093
Forced Vital Capacity 1 FEV1	02.80	02.85	102
FEV1 /FVC	86.15	97.27	113
Peak Expiratory Flow	0.877	08.83	095

Spirometry Report enclosed

Dr. AVNISH KR. TARWEY

MD  
Reg. No. 5270

Signature of Examination Authority

(To be used in continuation with Form 0)

Certificate No.

Name: SAURAV KUMAR TIWARI

Identification Marks: MOLE MARK NEAR RIGHT SIDE EYEBROW.

1. Cardiological Assessment

Auscultation	S1	S1 ✓
	S2	S2 ✓
	Additional Sound	No any
Electrocardiograph (12 leads)	Normal/ Abnormal	

Enclosed ECG

2. Neurological Assessment

Findings	Normal/Abnormal
Superficial Reflexes	Normal
Deep Reflexes	Normal
Peripheral Circulation	Normal
Vibrational Syndromes	Normal

3. ILO Classification of Chest Radiograph:

Profusion of Pneumoconiotic opacities	Grades	Types
Present/Absent	1	Abs-

Enclosed Chest Radiograph

4. Audiometry Findings:

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal/Abnormal	Normal/Abnormal
Bone Conduction.	Normal/Abnormal	Normal/Abnormal

Enclosed Audiometry Report.

Pathological/Microbiological Investigations:

S.No	Tests	Findings
1.	Blood- Tc, Dc, Hb, ESR, Platelets	WNL/Abnormal
2.	Blood Sugar- Fasting & PP	WNL/Abnormal
3.	Lipid profile	WNL/Abnormal
4.	Blood Urea, Creatinine	WNL/Abnormal
5.	Urine Routine	WNL/Abnormal
6.	Stool Routine	WNL/Abnormal

Enclosed Investigation Reports.

6. Special Tests for Mn exposure

Behavioral Disturbances		Present/ Not Present
Neurological Disturbances	Speech Defect	Present/ Not Present
	Tremor	Present/ Not Present
	Adiadocokinesia	Present/ Not Present
	Emotional Changes	Present/ Not Present

7. Any other Special Test Required: *not any*

Dr. AVNISH KR. TARKARI  
 MBBS MD  
 Signature of Examination Authority  
 No. 52/0

## ANNEXURE-5



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Springway Mining Pvt. Ltd		
Project Address:	Village-kol Kardiya, Tehsil- Pawai, District- Panna, M.p.		
Village:	Kolkardiya	Block:	Pawai
District:	Panna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	C-1 Baijnath Dham Colony, Navodya Ward, Hatta Tehsil, Hatta, Damoh, Madhya Pradesh - 470775		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1. <b>NOC No.:</b>	CGWA/NOC/MIN/ORIG/2021/13119	2. <b>Date of Issuance</b>	4/10/2024 12:00:00 AM									
3. Application No.:	21-4/854/MP/MIN/2019	4. Category: (GWRE 2020)	Safe									
5. Project Status:	New Project	6. NOC Type:	New									
7. <b>Valid from:</b>	27/09/2023	8. <b>Valid up to:</b>	26/09/2025									
9. Ground Water Abstraction Permitted:												
	Fresh Water		Saline Water									
	Dewatering		Total									
	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day									
	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day									
	10.00	3650.00	756.70									
			257613.00									
10. Details of ground water abstraction /Dewatering structures												
	<b>Total Existing No.:2</b>						<b>Total Proposed No.:0</b>					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	1	0	1	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
11. Ground Water Abstraction/Restoration Charges paid (Rs.):							522526.00					
12. Environment Compensation (if applicable) paid (Rs.):							0.00					
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers						Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder	2						0	1	1			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.



**Validity of this NOC shall be subject to compliance of the following conditions:**

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCPE list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**

## Annexure-6

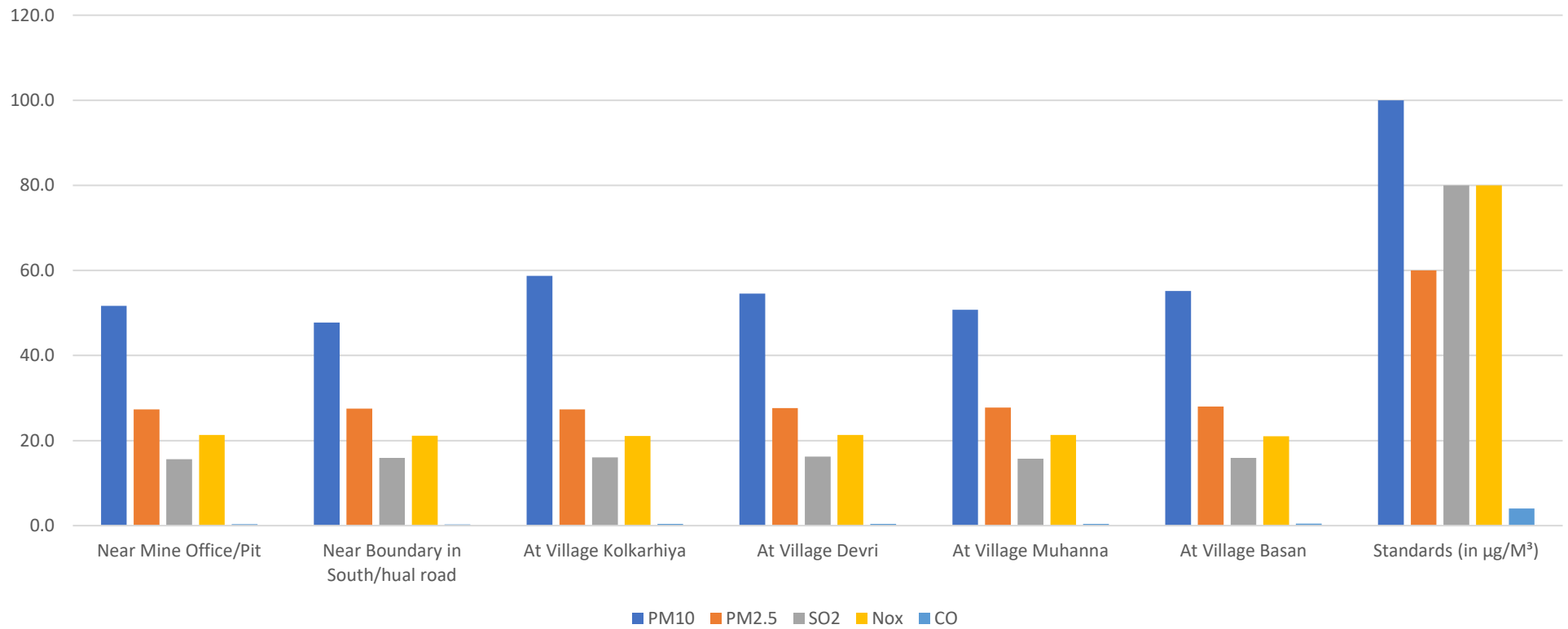
### AMBIENT AIR QUALITY MONITORING QUARTERLY AVERAGE REPORT OF KOLKARHIYA LIMESTONE MINE (CORE AND BUFFER ZONE)

(Period: October 2023 - March 2024)

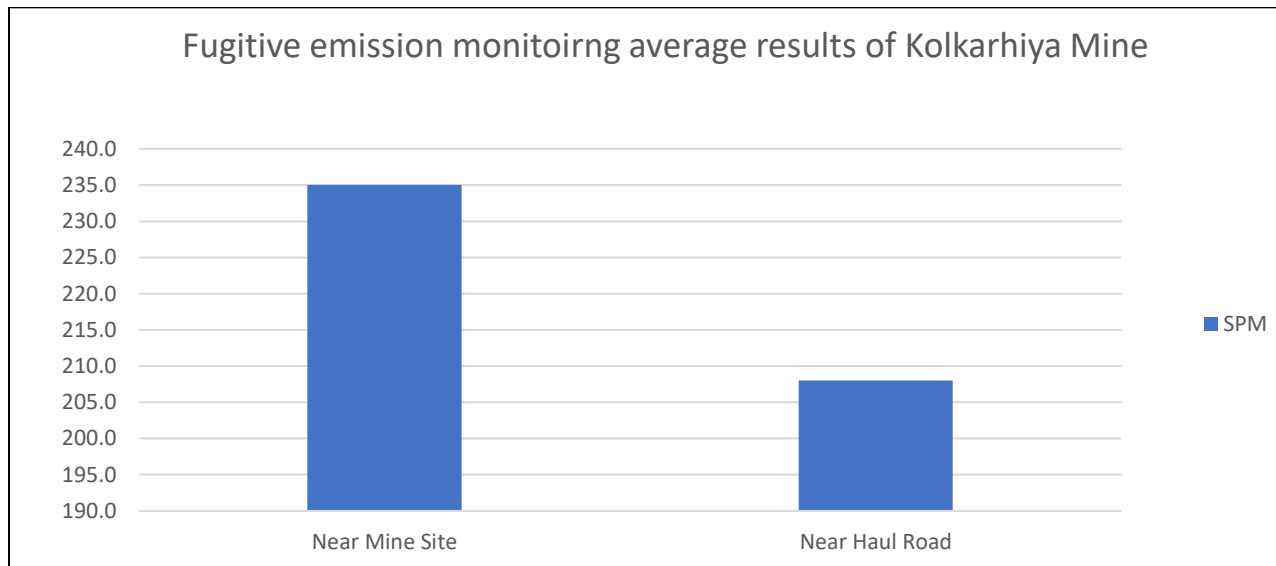
Sr.No.	Month	Near Mine Office/Mine Site (results in $\mu\text{g}/\text{M}^3$ )					Near Boundary in South (results in $\mu\text{g}/\text{M}^3$ )				
		PM-10	PM-2.5	SO <sub>2</sub>	Nox	CO	PM-10	PM-2.5	SO <sub>2</sub>	Nox	CO
		100	60	80	80	4 (mg/M <sup>3</sup> )	100	60	0	80	4 (mg/M <sup>3</sup> )
1	Oct-23	45.75	24.61	12.87	16.75	0.19	41.37	25.07	13.39	17.85	0.18
2	Nov-23	48.42	26.08	14.07	17.97	0.24	43.71	25.82	14.46	19.10	0.22
3	Dec-23	51.12	27.08	16.18	20.78	0.30	47.28	27.46	14.59	18.97	0.28
<b>Quarterly Average</b>		<b>48.43</b>	<b>25.9</b>	<b>14.4</b>	<b>18.50</b>	<b>0.24</b>	<b>44.12</b>	<b>26.12</b>	<b>14.15</b>	<b>18.64</b>	<b>0.22</b>
Sr.No.	Month	Village Kolkarhiya (results in $\mu\text{g}/\text{M}^3$ )					Village Devri (results in $\mu\text{g}/\text{M}^3$ )				
		PM-10	PM-2.5	SO <sub>2</sub>	Nox	CO	PM-10	PM-2.5	SO <sub>2</sub>	Nox	CO
		100	60	80	80	4 (mg/M <sup>3</sup> )	100	60	80	80	4 (mg/M <sup>3</sup> )
1	Oct-23	53.37	25.56	13.93	17.24	0.27	49.28	24.14	13.65	17.49	0.25
2	Nov-23	55.01	26.21	13.79	17.82	0.34	51.81	26.18	13.89	18.67	0.31
3	Dec-23	57.70	26.88	17.53	21.18	0.39	53.90	27.22	17.08	20.69	0.37
<b>Quarterly Average</b>		<b>55.36</b>	<b>26.22</b>	<b>15.08</b>	<b>18.75</b>	<b>0.33</b>	<b>51.66</b>	<b>25.85</b>	<b>14.88</b>	<b>18.95</b>	<b>0.31</b>
Sr.No.	Month	Village Muhanaa (results in $\mu\text{g}/\text{M}^3$ )					Village Basan (results in $\mu\text{g}/\text{M}^3$ )				
		PM-10	PM-2.5	SO <sub>2</sub>	Nox	CO	PM-10	PM-2.5	SO <sub>2</sub>	Nox	CO
		100	60	80	80	4 (mg/M <sup>3</sup> )	100	60	80	80	4 (mg/M <sup>3</sup> )
1	Oct-23	45.64	25.29	12.54	17.51	0.28	49.93	25.80	13.29	17.39	0.25
2	Nov-23	46.46	26.38	13.65	18.01	0.31	52.23	26.86	15.11	18.50	0.35
3	Dec-23	50.55	27.57	17.12	20.74	0.36	54.17	26.92	15.73	20.96	0.40
<b>Quarterly Average</b>		<b>47.55</b>	<b>26.41</b>	<b>14.44</b>	<b>18.75</b>	<b>0.32</b>	<b>52.11</b>	<b>26.53</b>	<b>14.71</b>	<b>18.95</b>	<b>0.33</b>

Sr.No.	Month	Near Mine Office/Mine Site (results in µg/M <sup>3</sup> )					Near Boundary in South (results in µg/M <sup>3</sup> )				
		PM-10	PM-2.5	SO2	Nox	CO	PM-10	PM-2.5	SO2	Nox	CO
		100	60	80	80	4 (mg/M <sup>3</sup> )	100	60	0	80	4 (mg/M <sup>3</sup> )
1	Jan-24	51.82	27.74	16.42	22.33	0.37	50.01	28.61	17.02	22.34	0.34
2	Feb-24	54.84	28.67	17.03	25.38	0.43	51.68	29.06	17.95	24.90	0.38
3	Mar-24	58.12	29.67	17.07	24.59	0.49	52.33	29.21	18.18	23.66	0.48
<b>Quarterly Average</b>		<b>54.93</b>	<b>28.70</b>	<b>16.84</b>	<b>24.10</b>	<b>0.43</b>	<b>51.34</b>	<b>28.96</b>	<b>17.72</b>	<b>23.63</b>	<b>0.40</b>
Sr.No.	Month	Village Kolkarhiya (results in µg/M <sup>3</sup> )					Village Devri (results in µg/M <sup>3</sup> )				
		PM-10	PM-2.5	SO2	Nox	CO	PM-10	PM-2.5	SO2	Nox	CO
		100	60	80	80	4 (mg/M <sup>3</sup> )	100	60	80	80	4 (mg/M <sup>3</sup> )
1	Jan-24	60.78	27.56	16.92	21.73	0.45	55.27	28.22	16.12	21.56	0.42
2	Feb-24	62.54	27.98	17.28	24.53	0.49	58.14	30.13	17.26	25.17	0.47
3	Mar-24	63.12	29.92	16.88	23.75	0.58	58.73	29.95	19.41	24.18	0.56
<b>Quarterly Average</b>		<b>62.15</b>	<b>28.48</b>	<b>17.03</b>	<b>23.34</b>	<b>0.50</b>	<b>57.38</b>	<b>29.43</b>	<b>17.60</b>	<b>23.64</b>	<b>0.48</b>
Sr.No.	Month	Village Muhanaa (results in µg/M <sup>3</sup> )					Village Basan (results in µg/M <sup>3</sup> )				
		PM-10	PM-2.5	SO2	Nox	CO	PM-10	PM-2.5	SO2	Nox	CO
		100	60	80	80	4 (mg/M <sup>3</sup> )	100	60	80	80	4 (mg/M <sup>3</sup> )
1	Jan-24	52.20	27.93	16.93	22.44	0.43	57.37	28.42	16.28	21.31	0.48
2	Feb-24	54.12	29.94	17.71	24.82	0.49	57.98	30.08	17.60	23.97	0.56
3	Mar-24	55.67	29.43	16.54	24.44	0.56	59.23	29.94	17.46	23.90	0.61
<b>Quarterly Average</b>		<b>54.00</b>	<b>29.10</b>	<b>17.06</b>	<b>23.90</b>	<b>0.49</b>	<b>58.19</b>	<b>29.48</b>	<b>17.11</b>	<b>23.06</b>	<b>0.55</b>

Ambeint Air Quality average results of Kolkarhiya Mine core & Buffer Zone (October 23 - March 24)



Fugitive emission Six monthly monitoring average results of Kolkarhiya Mine		
Sr. No.	Name of Location/Parameter	SPM
1	Near Mine Site	235.0
2	Near Haul Road	208.0



**ANNEXURE-7**

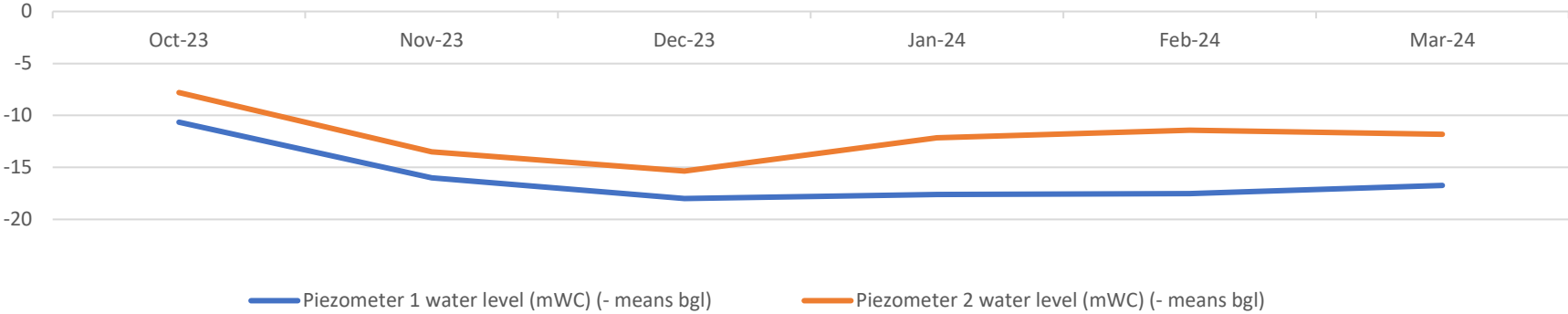
<b>Kolkarhiya Mine Piezometer-1 Monthly Average Water Level Results (With Telemetry)</b>		
<b>DATALOGGER ID SPRINGWAY01 with Telemetry</b>  Website: <a href="http://35.200.247.132/webdata/webdatalogin">http://35.200.247.132/webdata/webdatalogin</a>  User ID : springwaymin  Password: SpR3i9gwmi9_G	<b>MONTH</b>	<b>WATER LEVEL (mWC) (- means bgl)</b>
	Oct-23	-10.65
	Nov-23	-16.00
	Dec-23	-17.99
	Jan-24	-17.59
	Feb-24	-17.52
	Mar-24	-16.73

<b>Kolkarhiya Mine Piezometer-2 Monthly Average Water Level Results (Without Telemetry)</b>		
<b>DATALOGGER ID SPRINGWAY02 (Without Telemetry)</b>	<b>MONTH</b>	<b>WATER LEVEL (mWC) (- means bgl)</b>
	Oct-23	-7.8
	Nov-23	-13.5
	Dec-23	-15.35
	Jan-24	-12.14
	Feb-24	-11.42
	Mar-24	-11.81

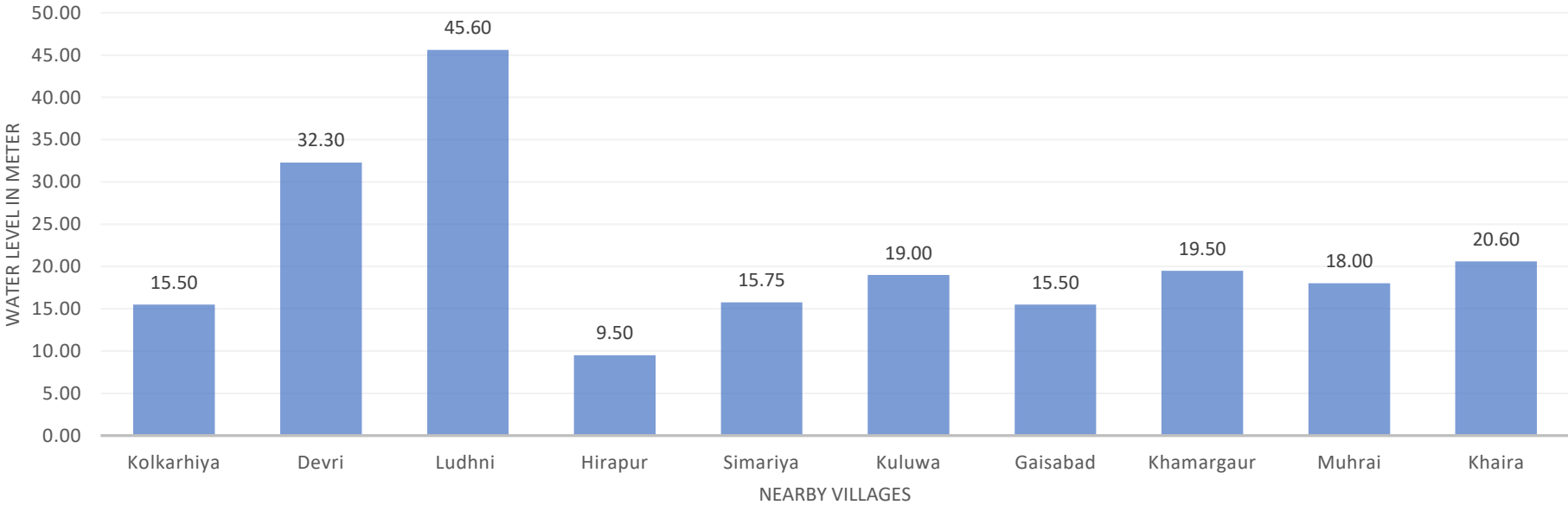
**Buffer Zone Ground Water Level Monitoring: Post Monsoon 2023 to Winter 2024**

Sr. No.	Name of Village	Owner Name	Latitude	Longitude	Type of Monitoring Station	Direction from Mine	Aerial Distance (in Km)	Water level (in bgl meters)	
								Nov-2023	Jan-2024
1	Kolkarhiya	Shri Rajendar Parashar	24°16'23.93"N	79°49'24.247"E	Bore Well	Core-zone	-	15.50	17.36
2	Devri	Shri Sharda Patel	24°15'44.431"N	79°50'31.898"E	Bore Well	E	2.5	32.30	17.50
3	Ludhni	Shri Sanjay Tiwari	24°14'26.941"N	79°53'1.626"E	Bore Well	E	7.5	45.60	48.20
4	Hirapur	Shri Monu Pathak	24°12'42.66"N	79°52'5.098"E	Bore Well	SE	8.5	9.50	10.25
5	Simariya	Govt Bus Stand	24°16'0.703"N	79°53'49.999"E	Bore Well	E	8	15.75	18.50
6	Kuluwa	Shri Dipendra Patel	24°16'1.018"N	79°50'49.372"E	Bore Well	NE	3	19.00	17.20
7	Gaisabad	Shri Rinku Shrivastav	24°14'12.779"N	79°49'30.482"E	Bore Well	S	4	15.50	16.10
8	Khamargaur	Govt Borewell on the Village road	24°18'28.728"N	79°49'25.982"E	Bore Well	N	4	19.50	19.75
9	Muhrai	Shri Ramadhin Patel	24°16'43.86"N	79°46'40.378"E	Bore Well	SW	4	18.00	16.40
10	Khaira	Govt School	24°18'47.426"N	79°47'37.251"E	Bore Well	WN	4	20.60	15.90

### Mine Water level Result of Piezometer

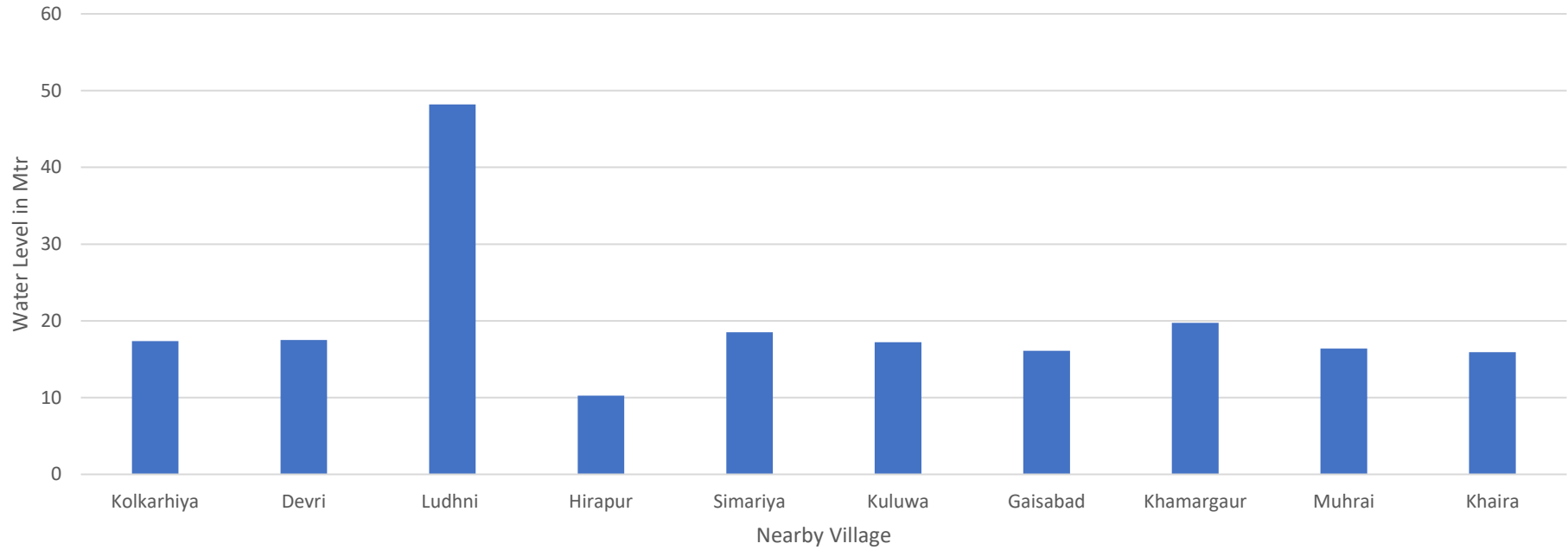


### Water level (in bgl meters) in Buffer Zone Post Monsoon (Nov 23) Period





Water level (in bgl meters) in Buffer Zone Winter (Jan-24) Period





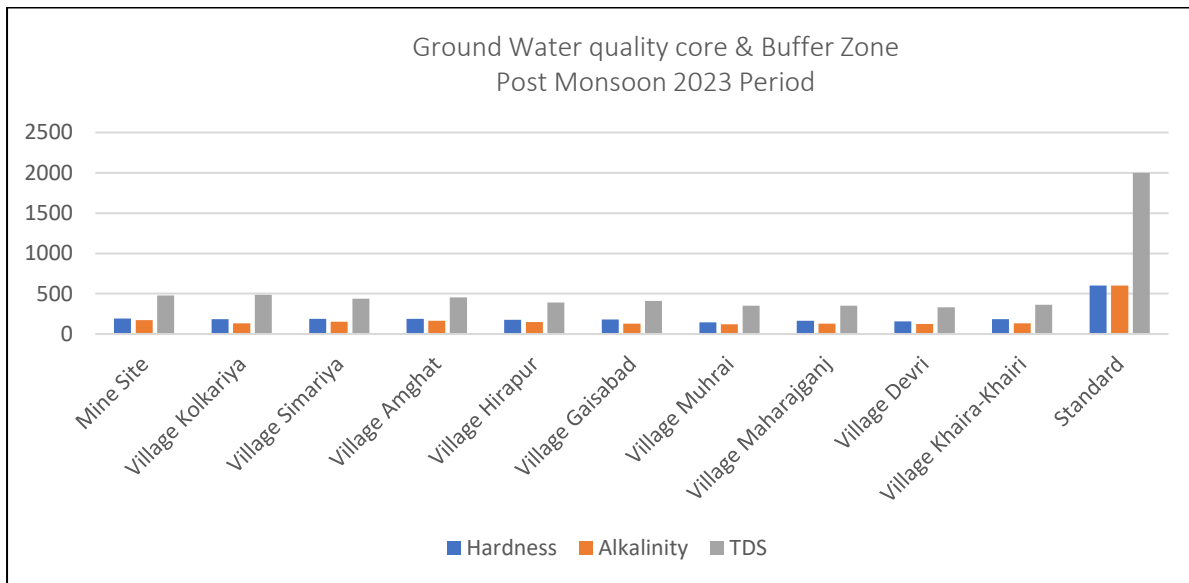
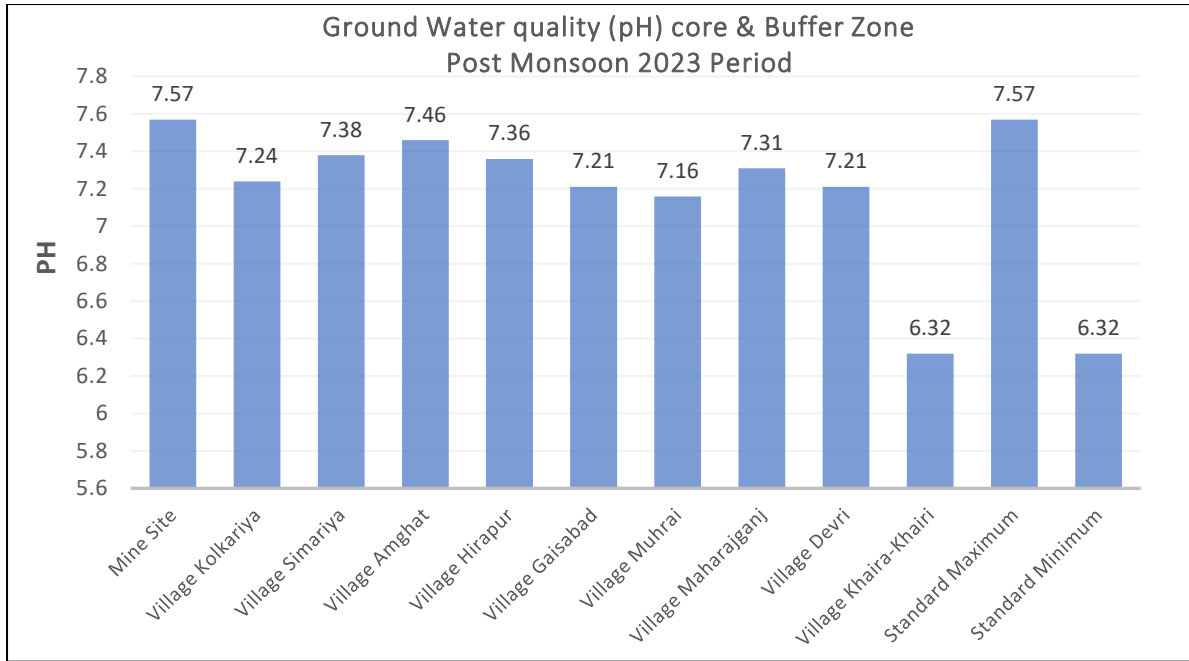


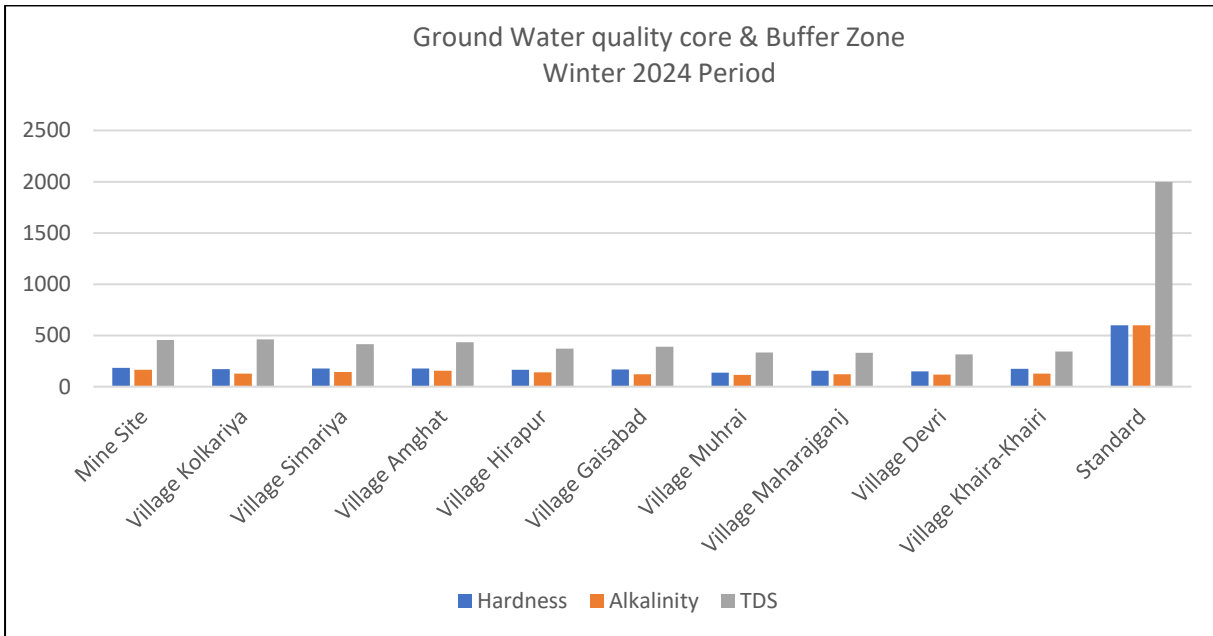
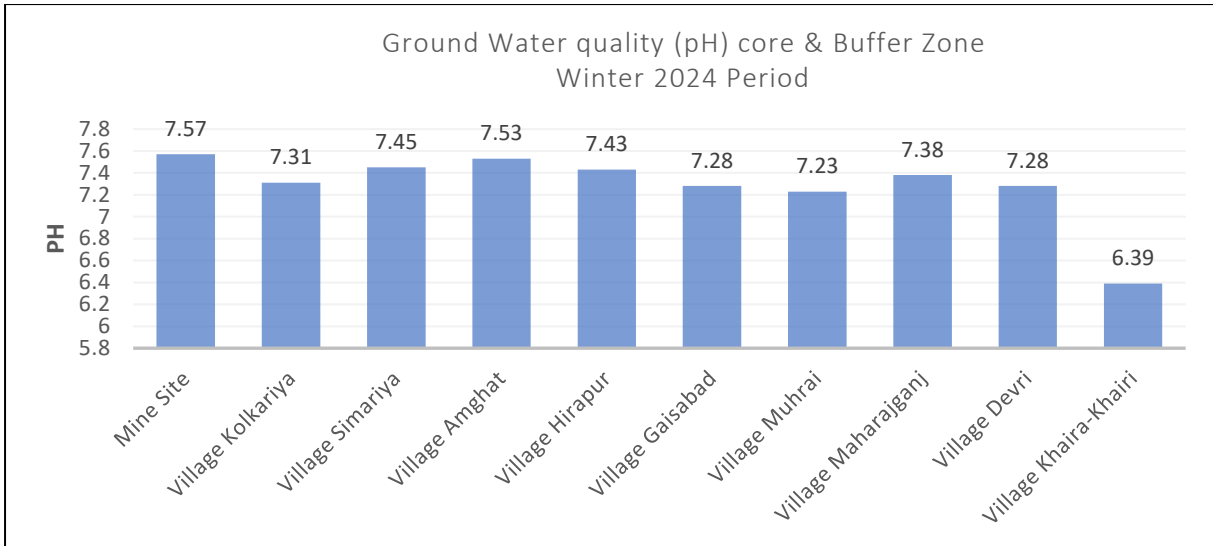
<b>M/s Springway Mining Private Limited</b>						
at Village Kolkarhiya, Tehsil Simariya Dist. Panna (M.P.)						
Surface water analysis report (November 2023, Post-Monsoon Period) for kolkarhiya limestone mine						
S. No.	Test Parameters	Unit	Method of Test	Limit as per IS:2296	Result Obtained	
				Class A	Bearma River	Sonar River
1	Taste	-	IS:3025:(part-8)	None	Disagreeable	Disagreeable
2	Odour	-	IS:3025:(part-5)	Unobj	Agreeable	Agreeable
3	Colour	Hazen	IS:3025:(Part-4)	10	5.0	5.0
4	pH Value at 25.2°C	-	IS:3025:(Part-11)	8.5	7.46	7.35
5	Dissolved Oxygen (as DO)	mg/L	IS:3025:(Part-38)	6	5.6	5.2
6	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)	2	1.8	1.9
7	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	288	286
8	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.01	N.D.	N.D.
9	Total Hardness (as CaCO3)	mg/L	IS:3025:(Part-21)	300	180	142
10	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250	24.9	17.9
11	Sulphate (as SO4)	mg/L	IS:3025:(Part-24)	400	31.64	22.31
12	Nitrate (as NO3)	mg/L	IS:3025:(part-34)	20	14.43	5.28
13	Fluoride (as F)	mg/L	IS:3025:(part-60)	1.5	0.10	0.18
14	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	80.1	57.72	45.69
15	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	24.28	8.75	6.8
16	Copper (as Cu)	mg/L	IS:3025:(part-42)	1.5	N.D.	N.D.
17	Iron (as Fe)	mg/L	IS:3025:(part-53)	0.3	0.12	0.11
18	Manganese (as Mn)	mg/L	IS:3025:(part-59)	0.5	N.D.	N.D.
19	Zinc (as Zn)	mg/L	IS:3025:(part-49)	15	N.D.	N.D.
20	Barium (as Ba)	mg/L	Annex F of IS:13428	1	N.D.	N.D.
21	Silver (as Ag)	mg/L	Annex J of IS 13428	0.05	N.D.	N.D.
22	Arsenic (as As)	mg/L	IS:3025:(part-37)	0.05	N.D.	N.D.
23	Mercury (as Hg)	mg/L	IS:3025:(part-48)	0.001	N.D.	N.D.
24	Lead (as Pb)	mg/L	IS:3025:(part-47)	0.1	N.D.	N.D.
25	Cadmium (as Cd)	mg/L	IS:3025:(part-41)	0.01	N.D.	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	N.D.	N.D.
27	Selenium (as Se)	mg/L	IS:3025:(part-56)	0.01	N.D.	N.D.
28	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	N.D.	N.D.
29	Phenols	mg/L	IS:3025:(part-49)	0.002	N.D.	N.D.
30	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	N.D.	N.D.
31	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.2	N.D.	N.D.
32	Pesticides	mg/L	USEPA Method	0	N.D.	N.D.
33	Alpha HCH	µg/l	USEPA 508	0.001	N.D.	N.D.
34	Beta HCH	µg/l	USEPA 508	0.01	N.D.	N.D.
35	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	50	21	26

<b>M/s Springway Mining Private Limited</b>						
at Village Kolkarhiya, Tehsil Simariya Dist. Panna (M.P.)						
Surface water analysis report (January 2024, Winter Period) for kolkarhiya limestone mine						
S. No.	Test Parameters	Unit	Method of Test	Limit as per IS:2296	Result Obtained	
				Class A	Bearma River	Sonar River
1	Taste	-	IS:3025:(part-8)	None	Disagreeable	Disagreeable
2	Odour	-	IS:3025:(part-5)	Unobj	Agreeable	Agreeable
3	Colour	Hazen	IS:3025:(Part-4)	10	5.0	5.0
4	pH Value at 25.2°C	-	IS:3025:(Part-11)	8.5	7.68	7.56
5	Dissolved Oxygen (as DO)	mg/L	IS:3025:(Part-38)	6	6.5	6.1
6	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)	2	1.8	1.6
7	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	287	283
8	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.01	N.D.	N.D.
9	Total Hardness (as CaCO3)	mg/L	IS:3025:(Part-21)	300	180	140
10	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250	25.9	17.9
11	Sulphate (as SO4)	mg/L	IS:3025:(Part-24)	400	31.56	23.04
12	Nitrate (as NO3)	mg/L	IS:3025:(part-34)	20	14.37	5.47
13	Fluoride (as F)	mg/L	IS:3025:(part-60)	1.5	0.14	0.17
14	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	80.1	56.91	44.89
15	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	24.28	9.23	6.8
16	Copper (as Cu)	mg/L	IS:3025:(part-42)	1.5	N.D.	N.D.
17	Iron (as Fe)	mg/L	IS:3025:(part-53)	0.3	0.12	0.11
18	Manganese (as Mn)	mg/L	IS:3025:(part-59)	0.5	N.D.	N.D.
19	Zinc (as Zn)	mg/L	IS:3025:(part-49)	15	N.D.	N.D.
20	Barium (as Ba)	mg/L	Annex F of IS:13428	1	N.D.	N.D.
21	Silver (as Ag)	mg/L	Annex J of IS 13428	0.05	N.D.	N.D.
22	Arsenic (as As)	mg/L	IS:3025:(part-37)	0.05	N.D.	N.D.
23	Mercury (as Hg)	mg/L	IS:3025:(part-48)	0.001	N.D.	N.D.
24	Lead (as Pb)	mg/L	IS:3025:(part-47)	0.1	N.D.	N.D.
25	Cadmium (as Cd)	mg/L	IS:3025:(part-41)	0.01	N.D.	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	N.D.	N.D.
27	Selenium (as Se)	mg/L	IS:3025:(part-56)	0.01	N.D.	N.D.
28	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	N.D.	N.D.
29	Phenols	mg/L	IS:3025:(part-49)	0.002	N.D.	N.D.
30	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	N.D.	N.D.
31	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.2	N.D.	N.D.
32	Pesticides	mg/L	USEPA Method	0	N.D.	N.D.
33	Alpha HCH	µg/l	USEPA 508	0.001	N.D.	N.D.
34	Beta HCH	µg/l	USEPA 508	0.01	N.D.	N.D.
35	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	50	21	27

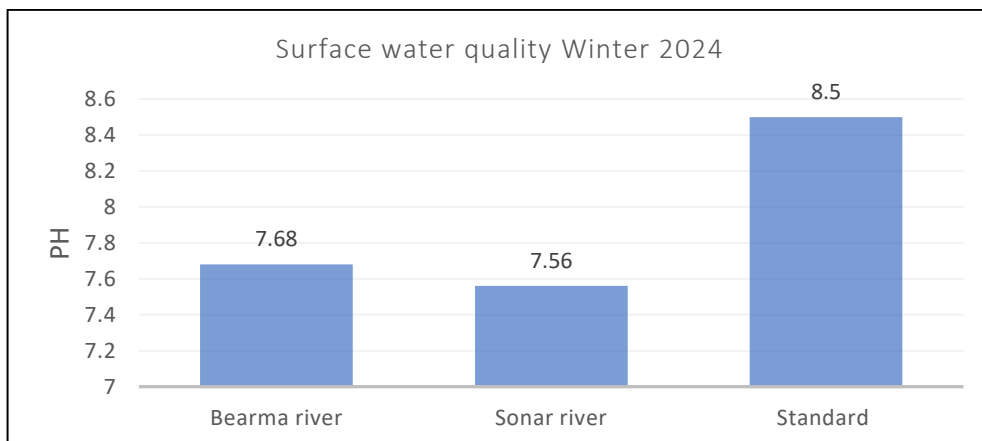
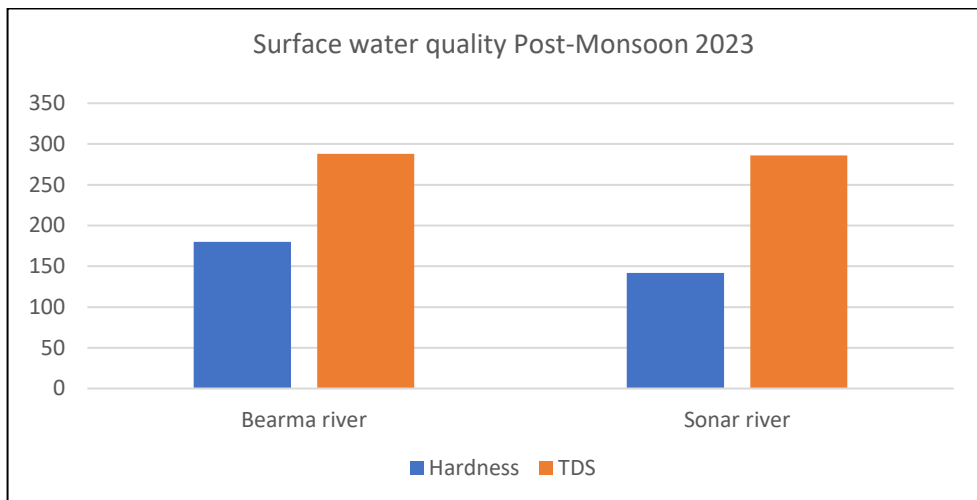
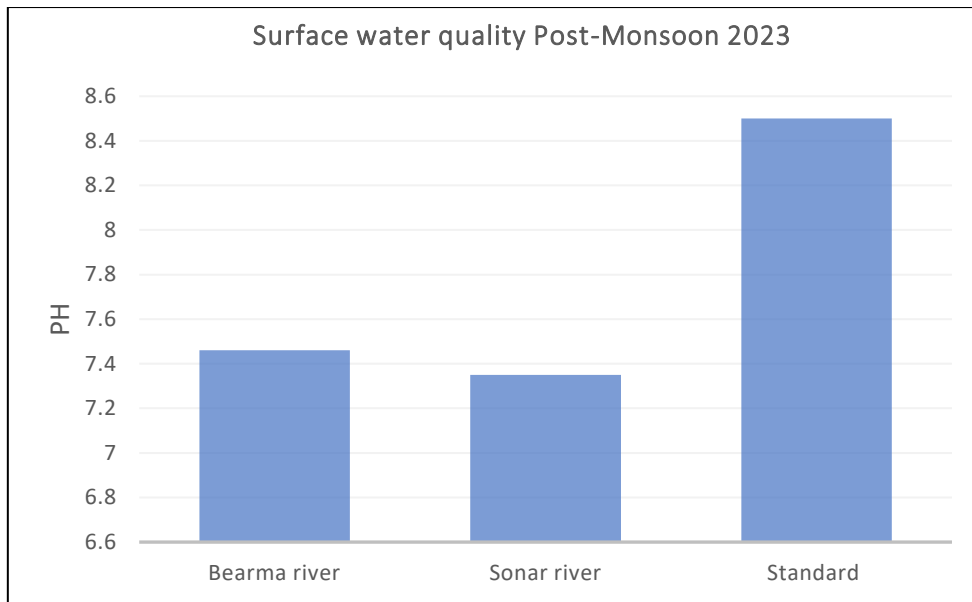
<b>M/s Springway Mining Private Limited</b>						
at Village Kolkarhiya, Tehsil Simariya Dist. Panna (M.P.)						
<b>QUARTERLY SURFACE WATER FLOW RATE MONITORING REPORT OF KOLKARHIYA LIMESTONE MINE BUFFER ZONE</b>						
Sr.No.	Location	Parameters	Unit	Results		
				Oct-23	Nov-23	Dec-23
1	Sonar River upstream	Flow rate	m <sup>3</sup> /sec	358.1	347.4	331.83
2	Sonar River downstream			328.3	319.5	306.72
3	Bearma River upstream			476.6	460.4	441.91
4	Bearma River downstream			426.9	412.5	404.25
5	Seasonal Nallah Gahra			Dry	Dry	Dry
6	Seasonal Nallah Marwa			Dry	Dry	Dry

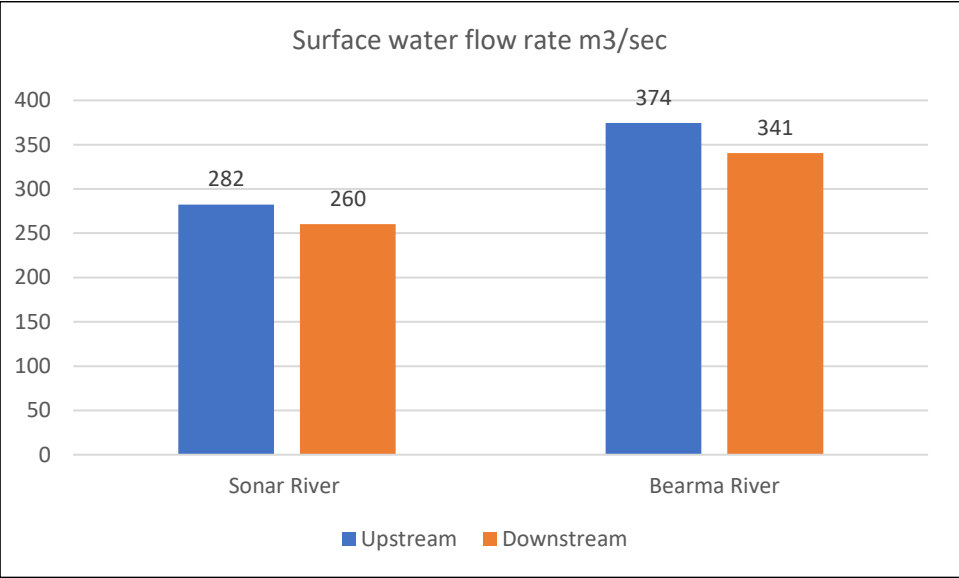
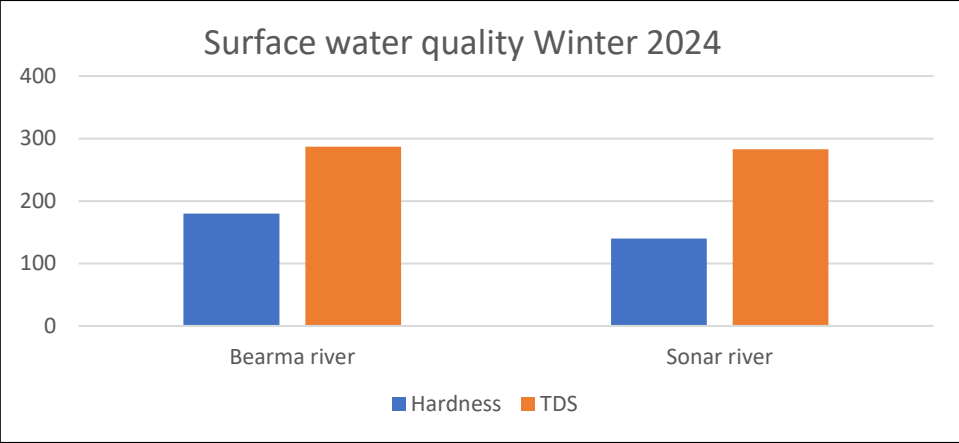
<b>M/s Springway Mining Private Limited</b>						
at Village Kolkarhiya, Tehsil Simariya Dist. Panna (M.P.)						
<b>QUARTERLY SURFACE WATER FLOW RATE MONITORING REPORT OF KOLKARHIYA LIMESTONE MINE BUFFER ZONE</b>						
Sr.No.	Location	Parameters	Unit	Results		
				Jan-24	Feb-24	Mar-24
1	Sonar River upstream	Flow rate	m <sup>3</sup> /sec	225.54	218.77	212.21
2	Sonar River downstream			208.57	202.31	196.24
3	Bearma River upstream			293.49	291.48	282.74
4	Bearma River downstream			274.89	266.64	258.64
5	Seasonal Nallah Gahra			Dry	Dry	Dry
6	Seasonal Nallah Marwa			Dry	Dry	Dry













Rainwater Harvesting in Mine Pit



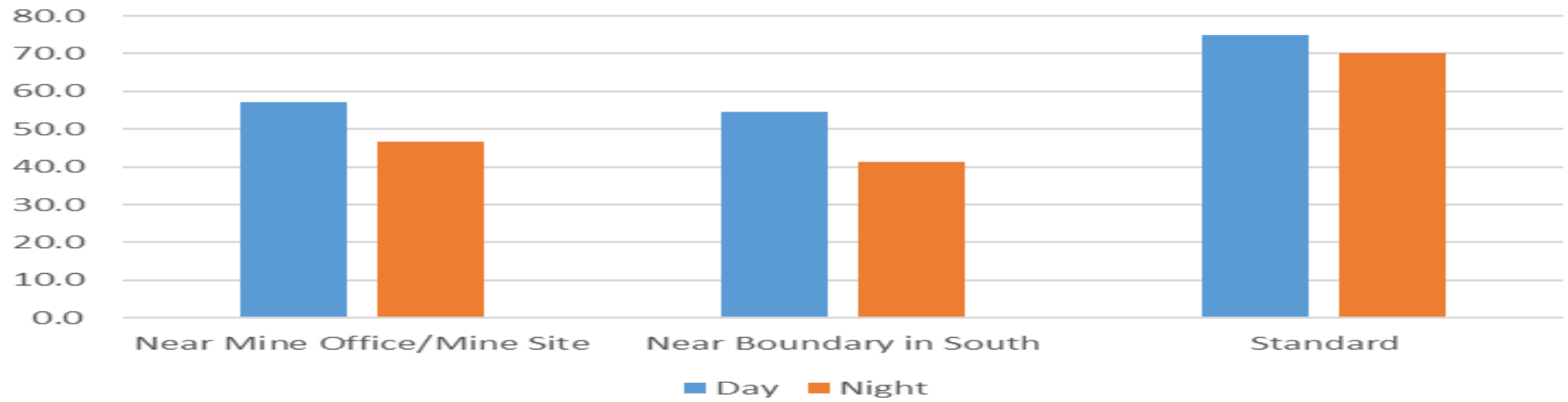
Rainwater Harvesting in Garland Drain

## Annexure-10

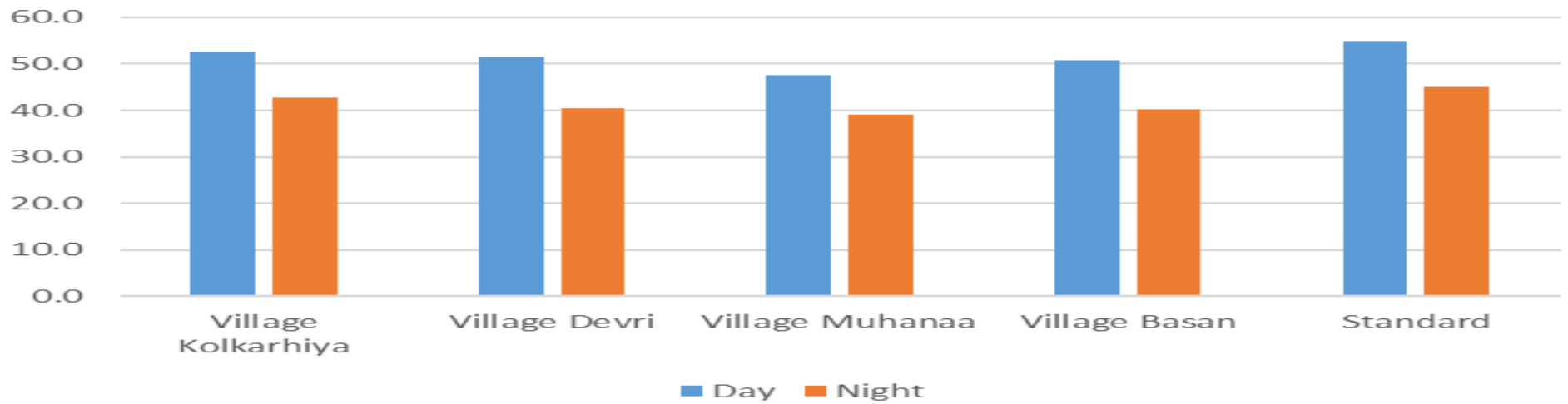
Sr.No.	Location Core Zone	Unit	Noise Level (Mine)						Limit (Industrial area)	
			Oct-23		Nov-23		Dec-23		Day Time	Night Time
			Day Time	Night Time	Day Time	Night Time	Day Time	Night Time		
1	Near Mine Office/Mine Site	dB(A)	54.0	43.6	55.6	45.1	57.2	46.5	75	70
2	Near Boundary in South	dB(A)	51.4	38.2	53.4	40.2	54.6	41.4		
	Location Buffer Zone	Unit	Noise Level (Village)						Limit (Residential area)	
			Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
3	Village Kolkarhiya	dB(A)	51.6	40.8	52.3	41.5	53.3	42.7	55	45
4	Village Devri	dB(A)	50.2	38.4	50.6	39.8	51.1	40.3		
5	Village Muhanaa	dB(A)	44.6	35.1	46.2	37.5	47.4	39.5		
6	Village Basan	dB(A)	48.1	39.0	49.1	39.7	50.6	40.0		

Sr.No.	Location Core Zone	Unit	Noise Level (Mine)						Limit (Industrial area)	
			Jan-24		Feb-24		Mar-24		Day Time	Night Time
			Day Time	Night Time	Day Time	Night Time	Day Time	Night Time		
1	Near Mine Office/Mine Site	dB(A)	58.2	47.6	58.6	48.4	59.1	48.7	75	70
2	Near Boundary in South	dB(A)	55.5	42.3	56.2	42.8	56.6	43.1		
	Location Buffer Zone	Unit	Noise Level (Village)						Limit (Residential area)	
			Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
3	Village Kolkarhiya	dB(A)	52.7	43.5	53	43.7	53.2	43.8	55	45
4	Village Devri	dB(A)	51.7	41.1	52.4	41.6	52.7	42.2		
5	Village Muhanaa	dB(A)	48.4	40.0	49.3	40.5	50.0	41.2		
6	Village Basan	dB(A)	51.8	40.5	52.1	40.8	52.5	41.3		

Ambient Air Noise Level in Mine



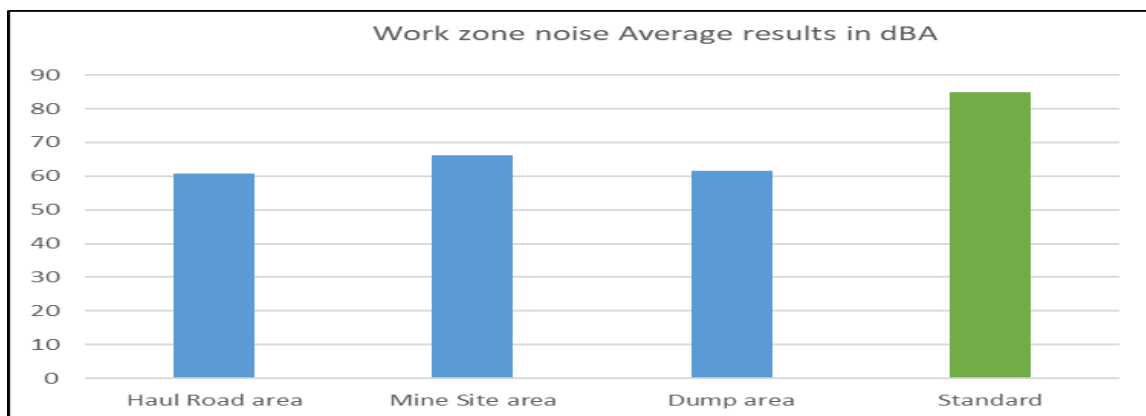
Ambient Air Noise Level in Buffer Zone of Mine





QUARTERLY WORK ZONE NOISE QUALITY MONITORING REPORT FOR KOLKARHIYA LIMESTONE MINE						
Sr.No.	Location	Unit	Work-zone Noise Level			Limit
			Oct-23	Nov-23	Dec-23	
1	Haul Road area	dB(A)	57.9	59.6	60.3	85 dB (Max)
2	Mine Site area	dB(A)	62.4	64.1	66.7	
5	Dump area	dB(A)	59.7	60.5	61.5	

QUARTERLY WORK ZONE NOISE QUALITY MONITORING REPORT FOR KOLKARHIYA LIMESTONE MINE						
Sr.No.	Location	Unit	Work-zone Noise Level			Limit
			Jan-24	Feb-24	Mar-24	
1	Haul Road area	dB(A)	61.7	62.3	62.7	85 dB (Max)
2	Mine Site area	dB(A)	67.4	67.7	68.3	
5	Dump area	dB(A)	62.0	62.6	63.1	





Plantation done in FY 2022-23





Kolkardiya, Madhya Pradesh, India  
Unnamed Road, Kolkardiya, Madhya Pradesh 488442, India  
Lat 24.27523°  
Long 79.812325°  
08/05/24 08:54 AM GMT +05:30



Kolkardiya, Madhya Pradesh, India  
Unnamed Road, Kolkardiya, Madhya Pradesh 488442, India  
Lat 24.27693°  
Long 79.820021°  
08/05/24 08:24 AM GMT +05:30

Plantation done in FY 2023-24

Total 1.02 ha green belt covered with 2632 nos of plant.