

Ref. No.: JKCEMENT/ENV./EC/KONI/02/09

Dated: 28.11.2023

To,  
Regional Office (WZ),  
Kendriya Paryavaran Bhawan,  
E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar  
BHOPAL - 462 016  
E-Mail: rowz.bpl-mef@nic.in

**Subject: Submission of Half Yearly Environmental Clearance Compliance Status Report for period from April 2023 to September 2023 of Koni-Simariya Limestone Mine of M/s J K Cement Ltd.**


Ref.: 1- Environment Clearance vide no J-11015/80/2020/IA.II(M) dated 01.11.2021  
2- MoEF & CC notification no. S.O. 5845 (E) 26.11.2018  
3- Amendment EC File no. J-11015/80/2020/IA .II(M) dated 15/09/2023

Dear Sir,

With reference to above stated Environment Clearances (ECs) and MoEF & CC notification no. S.O. 5845 (E) 26.11.2018, we are submitting Half Yearly Environmental Clearance Compliance Status Report for period from April 2023 to September 2023 of Koni - Simariya Limestone Mine of M/s JK Cement Limited for Koni - Simariya Limestone mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha. located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil - Simariya, District - Panna, Madhya Pradesh - Environmental Clearance (EC) through email, this for your kind information and record please.

Thanking you,

Yours Sincerely  
For: Koni-Simariya Limestone Mine  
(A unit of J K Cement Limited)

  
Kapil Agrawal  
(Unit Head)

Encl.: Copy of EC Compliance Status Report. Soft copy sent by mail to:

1. Member Secretary, MP Pollution Control Board, Paryawaran Parisar,
2. Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)
3. Regional Director- CPCB, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP)
4. Deputy Director General of forest (C), MoEFCC, Integrated Regional Office, Bhopal- 462016.
5. The Director, MoEFCC, Indira Paryavaran Bhavan, New\_Delhi-11003



Corporate Office

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**Subject: Half Yearly EC Compliance Report for Period from April 2023 to September 2023 of M/s J K Cement Limited for Koni - Simariya Limestone Mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB:1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha. located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil -Simariya, District - Panna, M.P.**

**EC Identification No. EC21A001MP114641, File No. J-11015/80/2020/IA .II(M), Date: 01/11/2021  
Amendment EC File no. J-11015/80/2020/IA .II(M) dated 15/09/2023**

**pSpecific Condition**

<b>S. No.</b>	<b>EC Conditions</b>	<b>EC Compliances</b>
I.	The budget of Rs. 12.11 Crores to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.	Agreed and complying. Work on concerns raised by the public including in the public hearing is going on and spent approx. 993.18 Lakh upto September 2023. Record is being maintained. Koni Simariya Mine operation start date is 03.05.2022 and all concerned activities will be completed within time.
II.	The Project Proponent should 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.	Agreed and will be complied as per the policy and guidelines of the Central/State Government provided under the law. Till now, no rehabilitation has been done. No houses were made of villagers at procured land.
III.	The Project Proponent shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.	Agreed. Mining activities are going on. At present, no progressive benches are available for plantation.
IV.	Peripheral plantation shall be completed within 6 months from the commencement of mining operation and the plantation in non- mineralized zone, around the water bodies and avenue plantation along the approach roads, Nalla and Habitation shall be completed within 3 years from the commencement of mining operation.	Being Complied. Peripheral plantation work is going on and total peripheral land covered under planation is 7.49 Ha through fruit bearing trees & other trees of 20108 nos. Plantation photos are attached as <b>Annexure No. 1</b>
V.	Plantation to be carried out with the survival rate of not less than 90% by planting 10 ft seedlings. Causalities should be replaced with new sapling every year and should be counted separately other than the total proposed saplings and the data for such saplings should be furnished during six monthly compliance report along with the progressive plantation.	Agreed and Being Complied Plantation Survival rate is not be less than 90%. Gap plantation is being done every year and record has been maintained and submitted along with six monthly compliances.
VI.	The Project Proponent should collect six monthly data on ambient air quality, noise and ground vibration by installing adequate no. of monitoring station during blasting at the edge of the mine, near the village and school. Additionally, the data should also be collected while using the rock breaker in the mine lease area and the data collected should be submitted to IRO during EC Compliance monitoring.	Agreed and complying. Ambient air quality and noise at the edge of the mine and near the villages are being done. Ambient Air Quality Report and Noise Monitoring reports are enclosed as <b>Annexure No. 2 A &amp; 2 B</b> respectively. Ground vibrations are continuously being monitored near boda village and boda school during every blasting and the results are under permissible limits. Ground Vibration Reports are also attached as <b>Annexure No. 2 C</b>

VII.	The Project Proponent should further augment the Conservation plan by ensuring effective fire protecting measures during the fire season, by constructing the perennial source of drinking water for the wild animals and by undertaking habitat improvement activities to provide camouflage. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF &CC before 1 <sup>st</sup> July of every year.	Agreed and being complied. We have deposited total amount of Rs. 61.25 Lakhs (For FY 2021-22, 2022-23, 2023-24). Follow up is being done with Forest Deptt. For implementation WLCP. Approval letter, Demand letter and Amount deposited letter are attached as <b>Annexure No. 3</b>
VIII.	The Project Proponent shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villagers by installing solar pumps as well as PP shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.	Agreed and will be complied.  After developing of water bodies, it would be planned. At present mine working pits are not too large to accommodate the water for installation of solar pumps.
IX.	The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. The natural streams (nalas) passing through the mining lease area shall not be disturbed. Further the streams shall be protected by. creation of bunds on both sides. The Project Proponent should ensure that safety barrier of 250m for River (8.48 ha), The Project Proponent should ensure that safety barrier to be left around Nallah, Canal, Roads, Electric line and dumps should not be less than 100m on both the side.	Complying. Water bodies is being protected by plantation and also fencing is being provided outside the planation. Natural streams are not being disturbed crossing to the mining lease area. Appropriate Safety barriers on both the sides of nallahs and river banks have been left and plantation is being done in safety zone.
X.	The Project Proponent shall ensure that no blasting activity to be carried out in 500 mts from school and habitation. Transportation activities should be restricted during 30 minutes prior to the school in/out timings for the school and shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z- 11013/57/2014-IAII (M), dated 29th October, 2014.	Complying. Blasting is not being carried out within 500m from school and habitation. As there is no school and habitation is present close to present mine working area hence restriction on transportation of limestone is not required.
XI.	The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. Wherever the fencing is proposed it should be done preferably by chain link instead of barbed wire. PP shall also ensure that digital technologies such as WiFi enabled cameras will. be installed to monitor and control any unauthorized entry in mining area.	Agreed and complying, Water bodies is being protected by plantation and barbed wire fencing outside the planation. 2 nos. of WiFi enabled camera has been installed in the mining lease area to control any unauthorized entry in mining area.
XII.	The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program which should be analyzed periodically.	Agreed and Being Complied Employment based apprenticeship / internship training program through ITI is being provided to 29 Nos. local residents.

XIII.	The Project Proponent should use the road for transportation of mineral from crusher to cement plant for one year only and later the same shall be transported by Over Land Belt Conveyor. The capacity of the truck/tipper should be 30 T only.	Being Complied The condition for transportation of mineral from crusher to cement plant for one year has been extended for next two years vide Amended EC reference no. <b>J-11015/80/2020/IA.II(M) dated 15.09.2023</b> Capacity of the trucks/tippers used for transportation of minerals are < 30 T.
XIV.	The Project Proponent should preferably use electrical equipment's and use of diesel consuming machineries as well as vehicles should be discouraged to reduce the vehicular and gaseous emission.	Agreed and will be complied. Possibility is being explored.
XV.	The Project Proponent should not disturb the existing road network during the operating period of mine.	Agreed and complying. We are not disturbing any existing road network. We have constructed our own road for internal movement.
XVI.	The Project Proponent should submit the progressive plan for the activities undertaken for the commitments made by Project Proponent under R&R plan, concern addressing public hearing issues, conservation plan and plantation for its compliance review as per the timeline.	Agreed. and being complied
XVII.	The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long time. The topsoil shall be used for land reclamation and plantation.	Agreed and complying. Top soil is being separately stored at earmarked location as per approved Mining plan. Topsoil is being used for plantation as and when required basis also.
XVIII.	ITI College should be operational by July, 2023 as submitted by Project Proponent. PP should submit the details on progress of construction and its operation by July, 2023.	Agreed and complying. Construction work are under progress.
XIX.	Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.	Agreed and complying. Regular Occupational health check-up is being carried out. During this year occupational health checkup has been done for all 129 no. persons employed at our mines.
XX.	NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. The project proponent shall obtain the NOC from CGWA for intersection of ground water table before commencing the mining operations.	Complied. NOC from CGWA has been obtained vide no. CGWA/NOC/MIN/ORIG/2021/11999 dated 03.06.2021 for use of ground water as well as for intersection of ground water table which was valid till 02.06.2023. Renewal of NOC has been applied and which is under process at CGWA. Copy of existing CGWA NOC and status of renewal of application are enclosed as <b>Annexure No. 4.</b>



<b>B. Standard EC Conditions:</b>		
<b>I. Statutory compliance</b>		
i.	This Environmental Clearance (EC) is subjected to judgment of Hon'ble Supreme Court of India, Hon'ble Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable	Noted
ii.	The Project proponent complies with all the statutory requirements and 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 before commencing the mining operations.	Noted
iii.	The State Government concerned shall ensure that mining operation shall 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.	Not Applicable
iv.	Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/S7/2014-IA.11 (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or The Habitations and villages are surrounded by the mine lease area".	Noted and complying. Mitigation measures provided in MoEFCC's Office Memorandum No. Z- 11013/S7/2014-IA.11 (M), dated 29 <sup>th</sup> October, 2014 is being followed.
v.	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. The copy of EC letter has been provided to concerned Panchayat vide letter No. SM/EMD/CWLA/F12/012, dated 01.11.2021 copy enclosed as <b>Annexure No.-5</b> .
vi.	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Not Applicable The condition is related to SPCB, RO, MPPCB, DIC & DC.
vii.	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which 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 Ministry of Environment Forest & Climate Change ( <a href="http://WWW.parivesh.nic.in">WWW.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concern MoEFCC, Regional Office for compliance and Record.	Complied The advertisement about the grant of EC letter for the project has been published in two local newspapers namely Navbharat and Nai Dunia dated 02.11.2021 and copy of the same enclosed as <b>Annexure No.-6</b> .

viii.	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 of EIA Notification, 2006 as amended from time to time.	Agreed and Noted.
<b>II. Air quality monitoring and preservation</b>		
i.	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations 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 and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B29016/20/90/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 main Gate of the mine site.	Complying. Three nos of CAAQMS have been installed to monitor critical parameters i.e. PM10, PM2.5, NO2, CO and SO2. The ambient air quality is being monitored manually at prominent places. The above data is being digitally displayed at the mine site.
ii.	Effective safeguard measures 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 shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water- soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board	Agreed and being complied. 03 Nos. of Water tankers have been deployed for regular water sprinkling on haul roads, loading and unloading areas. Water spray system at crusher has been installed to control fugitive emission from crusher. Air pollution level is well within the prescribed norms by the MoEFCC/ Central Pollution Control Board.
<b>III. Water quality monitoring and preservation</b>		
i.	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then 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	Complied. The Clearance from CGWA has already been obtained vide no. CGWA/NOC/MIN/ORIG/2021/11999 dated 03.06.2021 for use of ground water as well as for intersection of ground water table and copy CGWA Water as enclosed. Refer <b>Annexure No. 4B</b>

ii.	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 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 Groundwater Department / State Pollution Control Board.	Agreed and being complied. Monitoring of Ground Water level and quality in and around the mine lease is being carried out. New piezometers have been installed as per Ground water NOC. Report enclosed as <b>Annexure No.-7A and Annexure No.-7B.</b>
iii.	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. pre- 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.	Agreed and being complied, Regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream is being carried out. Sufficient number of gullies have been provided at appropriate places within the lease for management of water. Water quality analysis is being carried out of four time in a year and report submission is started 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 on six monthly bases along with trend analysis. Report enclosed as per <b>Annexure No.8</b>
iv.	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), 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 main gate of the Company. The circular No. "- 20012 / 1 / 2006 - IA. 11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	Agreed EC issued for limestone mine hence there is no possibility of acid mine drainage and metal contamination in surface runoff. Quality of Mine runoff report is attached as <b>Annexure No.9</b>

v.	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 Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF&CC annually.	Agreed and is being complied. Rainwater Harvesting structures have been constructed to augment ground water resources in the area in consultation with the concerned department. Report on amount of water recharge to be submitted annually to Regional MoEF&CC office.
vi.	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.	Agreed and complying. Workshop has been constructed in the mine area and effluent of workshop is treated in Oil and grease trap system constructed near workshop.
vii.	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 and will be complied. We have installed flow meters at water abstraction structures and consumption record is being maintained and same is being submitted to Regional Office of the MoEF&CC and State pollution Control Board/ Committee.

#### IV. Noise and vibration monitoring and prevention

i.	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines	Agreed and is being complied, PPV is being monitored as per DGMS guideline. Refer <b>Annexure No. 2C</b>
ii.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining' operations. 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.	Agreed and is being complied, Noise level is being maintained within prescribed limit in day/ night hours. Refer <b>Annexure No.2B</b> .
iii.	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provide 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 are working without personal protective	Agreed and complying. Regular maintenance is being done of HEMM. PPEs like ear plugs/muffs etc. are provided to all workers working near high noise area. Training and awareness program on health and safety aspects is being organized periodically.

#### V. Mining Plan

i.	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (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,	Agreed and being complied. Mining operation is being executed as per approved mining plan and quantity approved in EC.
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	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.).	
ii.	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-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per 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 MoEFCC and its concerned Regional Office.	Agreed and being complied. Mining activities and land use is being done as per approved mining plan. Backfilling in the mine lease area and afforestation in the reclaimed area will be done as per approved mining plan. Rehabilitation is not required and done at present.
<b>VI. Land reclamation</b>		
i.	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 not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, 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.	Agreed and being complied. Overburden (O.B.), waste and topsoil generated during the mining operations are stacking at earmarked OB dump site. Physical parameters of the OB / waste dumps /topsoil dump like height, width and angle of slope are being maintained as per the approved Mining Plan and as per the guidelines/circulars issued by D.G.M.S. in this regarding. The topsoil is used for plantation and stored at designated area.
ii.	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope 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 proper 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.	Agreed and will be complied. Presently most of the dumps are in active nature. Slope of dumps will be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. Dump mass will be consolidated with the help of dozer/ compactors. Suitable technique will be used for stabilization of the dump.
iii.	Catch drains, settling tanks and siltation ponds of appropriate size shall 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.	Agreed and complying. Bunds are formed around the mine working. Catch drains, settling tanks and siltation ponds of appropriate size being constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of any kind. Collected mine pit water is being utilized for watering the mine area, roads, green belt development, plantation and water spraying at crusher etc. Drains/ sedimentation sumps etc. is being de-silted regularly, particularly after monsoon season, and maintained properly.

iv.	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for 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 time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains	Agreed and will be complied. Check dams of appropriate size gradient and length has been constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies.
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## VII. Transportation

i.	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. 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 costs resulting from widening and strengthening of existing public road 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]	Agreed and being complied. No transportation route is passing through villages/habitations. Costs resulting from widening and strengthening of existing public road network has been borne by the company. Water sprinkling is being done through tanker. Vehicular emissions are being kept under control and regularly monitored. Pollution under Control (PUC) certificates for all the vehicles running in the mines has been obtained from authorized pollution testing centers.
ii.	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 equipments 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.	Agreed Permanent water sprinkling arrangement over main haulage road within the mine lease will be provided soon for dust suppression. However, all roads within the mine lease is being wetted regularly with 3 nos. tanker-mounted water sprinkling system. Dust suppression arrangements have been provided at other areas of dust generation like crushing zone, material transfer points, material yards etc. Proper air pollution control equipments have been provided with Crusher.

## VIII. Green Belt

i.	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	Agreed and being complied. Peripheral plantation is being done on regular basis.
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	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	
ii.	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas 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 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	Agreed and will be complied. Plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas will be carried out with native species. Adequate Budgetary provision has been made for protection and care of trees.
iii.	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.	There is no grazing land in mine lease area.

#### **IX. Public hearing and human health issues**

i.	Project Proponent shall make provision for the housing for workers/labors or shall construct 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, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Agreed and complied. No separate temporary housing facilities was required. It was provided in cement plant during construction phase. All other basic facilities were provided to workers.
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#### **X. Corporate Environment Responsibility (CER)**

i.	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental 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.22-65/2017-1A.111 dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Agreed and complied. CER/CSR including activities raised during public hearing three years' time-bound action plan has been submitted to the concerned regional office of the Ministry.
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<b>XI. Miscellaneous</b>		
i.	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 Office of the MoEF&CC.	Agreed and will be complied. Digital map (land use & land cover) of the entire lease area will be prepared once in five years and submit a report to concerned Regional Office of the MoEF&CC.
ii.	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted
iii.	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 Office, Central Pollution Control Board and State Pollution Control Board.	Agreed and being complied. Six monthly compliance report is being submitted to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
iv.	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 Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.	Agreed and complied. Separate Environmental Management Cell' headed by HOD (Env.) has been established and submitted to RO, MoEFCC.
v.	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data /information / monitoring reports.	Noted
vi.	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 re-grassing 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.	Noted
vii.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection	Noted
viii.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 19	Noted
ix.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under	Noted



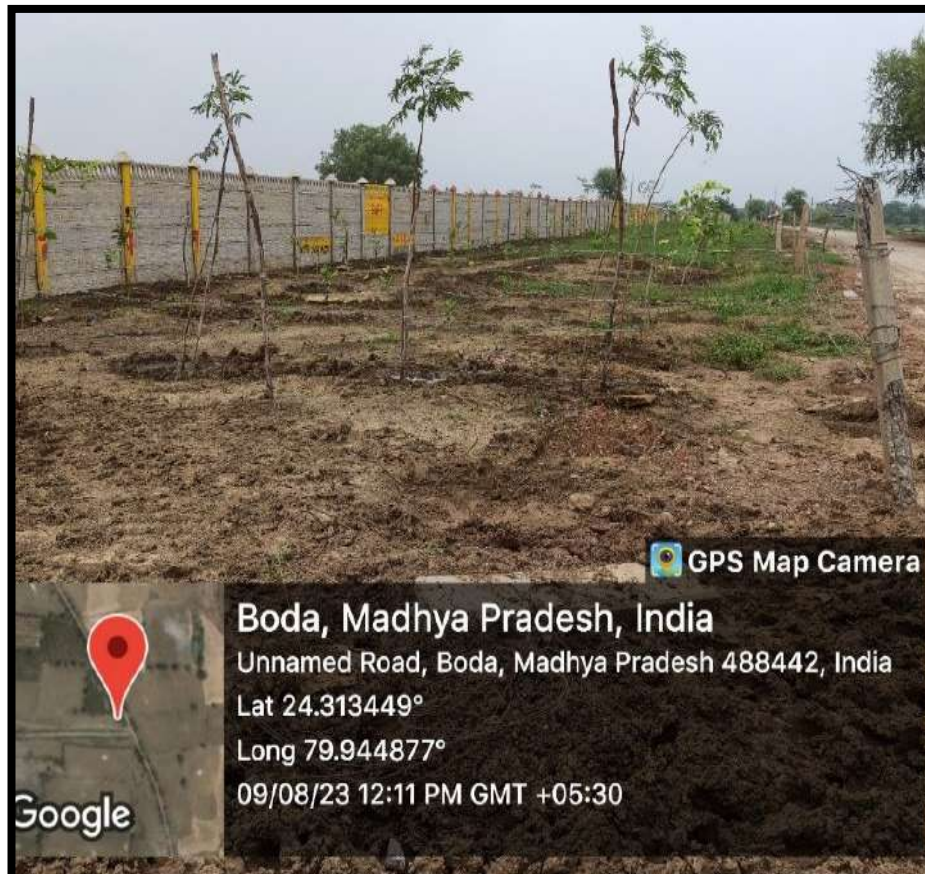
	and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.	
x.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
<b>Amendment EC File No. J-11015/80/2020/IA .II(M), Date: 15/09/2023</b>		
<b>1. Single use plastic:</b>		
1.1	The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.	Awareness program among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) has been carried out and report with photographs are attached as <b>Annexure No.10</b>
<b>2. ETP:</b>		
2.1	Project proponent needs to monitor the quality of surface run-off that may be generated in the monsoon season. Project proponent also needs to install an ETP at the workshop.	Oil and grease trap is being constructed near workshop.
<b>3. Mining plan:</b>		
3.1	The Project Proponent shall strictly adhere to the production schedule as per the approved mining plan dated 29.06.2022.	Agreed and Complying
<b>4. Miscellaneous :</b>		
4.1	All other terms and conditions mentioned in the EC letter dated 01.11.2021 shall remain unchanged.	Noted
<b>5. Public hearing:</b>		
5.1	Construction of boundary wall around the cremation ground in Semariya Village needs to be completed within 1 year as per the commitments during public hearing.	Agreed and Complying Construction work is under progress.
<b>6. Road transportation:</b>		
6.1	The Project Proponent should use the road for transportation of mineral from Crusher to Cement Plant for two years only and later the same shall be transported by Over Land Belt Conveyor. The capacity of truck/ tipper should be 30T only.	Agreed and Complying
6.2	The Project Proponent needs to increase the width of the road such that the width of the road shall be 3 times the width of the truck. The implementation status of the same along with the photographs shall be submitted to MoEFCC, RO Bhopal.	Agreed and Complying
6.3	The Project Proponent needs to undertake all the adequate measures to suppress the dust during transportation. The Project Proponent shall monitor the impact of transportation by road w.r.t fugitive dust emission and shall submit the report quarterly to the MoEFCC, RO Bhopal.	Agreed and being complied. 03 Nos. of Water tankers have been deployed for regular water sprinkling on transportation roads, loading and unloading areas. Water spray system at crusher has been installed to controlled fugitive emission from crusher. Air pollution level is well within the prescribed

		norms by the MoEFCC/ Central Pollution Control Board.
<b>Skill development:</b>		
7.1	The Project Proponent needs to provide the apprenticeship to the local people. The data and the outcome should be maintained for the same imparted to the local people.	Agreed and Being Complied Employment based apprenticeship/ internship training program through ITI is being provided to 29 Nos. local residents
<b>8. Water conservation:</b>		
8.1	The Project Proponent needs to complete the construction of rain water harvesting structures within 6 months from the date of issue of this EC and the implementation status of the same shall be submitted to MoEFCC, RO Bhopal.	2 nos. of Rain Water Harvesting pits has been constructed in mine lease area and one is under process.
<b>9. Wildlife conservation:</b>		
9.1	The progress of implementation of the Wild Life Conservation Plan in consultation with Forest Department shall be reported to MoEFCC, RO Bhopal half yearly.	Agreed and being complied. We have deposited total amount of Rs. 61.25 Lakhs (For FY 2021-22, 2022-23, 2023-24). Follow up is being done with Forest Deptt. For implementation WLCP. Approval letter, Demand letter and Amount deposited letter. Refer <b>Annexure No. 3</b>

Yours Sincerely  
For: Koni-Simariya Limestone Mine  
(Wholly Owned Subsidiary of J K Cement Ltd.)

  
Kapil Agrawal  
(Unit Head)

## PLANTATION IN KONI SIMARIYA LIMESTONE MINE





## PLANTATION IN KONI SIMARIYA LIMESTONE MINE





## PLANTATION IN KONI SIMARIYA LIMESTONE MINE





## PLANTATION IN KONI SIMARIYA LIMESTONE MINE



TEST REPORT CODE: VGL/A/23/05/13/116 - 13

TEST REPORT ISSUE DATE: 18.05.2023

**TEST REPORT (AMBIENT AIR)**

Name and Address of Customer : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Sampling Location : SIMARIYA VILLAGE (BUFFER ZONE)

Duration of Sampling : 11.05.2023 TO 12.05.2023

Time of Sampling : 09:20 AM TO 08:20 AM

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Sample Id No. : 0116 - 13

Environmental Condition Temp.(°C) & RH (%) : 32.5 & 50.0

Method of Sampling : IS:5182

Sample Receiving Date : 13.05.2023

Sample Processing Date : 13.05.2023 TO 18.05.2023

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	37.80	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	63.50	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	13.50	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	24.20	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.65	mg/m <sup>3</sup>	4.0

Page 1 of 1

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3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.
5. BDL: Below detection limit.

**Checked By:****Virat Global Lab  
Authorized Signatory**

Authorised Signatory

D. K. Yadav  
Lab In-charge

**TEST REPORT (AMBIENT AIR)**

Name and Address of Customer	:	M/s JAYKAYCEM (CENTRAL) LIMITED, VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ, DISTT. - PANNA, (M.P)
Sampling Location	:	BHUPATIPURA VILLAGE (BUFFER ZONE)
Duration of Sampling	:	11.05.2023 TO 12.05.2023
Time of Sampling	:	10:15 AM TO 09:15 AM
Sampling Done by	:	VGL STAFF
Packing Condition	:	SEALED
Sample Id No.	:	0116 - 14
Environmental Condition Temp.(°C) & RH (%)	:	32.8 & 50.0
Method of Sampling	:	IS:5182
Sample Receiving Date	:	13.05.2023
Sample Processing Date	:	13.05.2023 TO 18.05.2023
Equipment Used	:	RESPIRABLE DUST SAMPLER (PM 10) FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	34.50	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	66.30	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	13.20	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.60	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.59	mg/m <sup>3</sup>	4.0

Page 1 of 1

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**Checked By:**Virat Global Lab  
Authorised Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge



**TEST REPORT (AMBIENT AIR)**

Name and Address of Customer	:	M/s JAYKAYCEM (CENTRAL) LIMITED, VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ, DISTT. - PANNA, (M.P)
Sampling Location	:	MOHDKH VILLAGE (BUFFER ZONE)
Duration of Sampling	:	11.05.2023 TO 12.05.2023
Time of Sampling	:	10:35 AM TO 09:35 AM
Sampling Done by	:	VGL STAFF
Packing Condition	:	SEALED
Sample Id No.	:	0116 – 15
Environmental Condition Temp.(°C) & RH (%)	:	32.9 & 50.0
Method of Sampling	:	IS:5182
Sample Receiving Date	:	13.05.2023
Sample Processing Date	:	13.05.2023 TO 18.05.2023
Equipment Used	:	RESPIRABLE DUST SAMPLER (PM 10) FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	33.80	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	61.50	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	11.80	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	23.60	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.57	mg/m <sup>3</sup>	4.0

Page 1 of 1

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**Checked By:**Virat Global Lab  
Authorized Signatory

Authorised Signatory

D. K. Yadav  
Lab In-charge

**TEST REPORT (AMBIENT AIR)**

Name and Address of Customer : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Sampling Location : UMRI VILLAGE (BUFFER ZONE)

Duration of Sampling : 11.05.2023 TO 10.05.2023

Time of Sampling : 11:40 AM TO 10:40 AM

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Sample Id No. : 0116 - 16

Environmental Condition Temp.(°C) & RH (%) : 31.0 & 50.0

Method of Sampling : IS:5182

Sample Receiving Date : 13.05.2023

Sample Processing Date : 13.05.2023 TO 18.05.2023

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)  
FINE PARTICULATE SAMPLER (PM 2.5)

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	35.20	µg/m <sup>3</sup>	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	65.30	µg/m <sup>3</sup>	100.0
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part-2)	14.05	µg/m <sup>3</sup>	80.0
4.	Nitrogen Dioxides (NO <sub>2</sub> )	IS 5182 (Part-6)	25.15	µg/m <sup>3</sup>	80.0
5.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.63	mg/m <sup>3</sup>	4.0

Page 1 of 1

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5. BDL: Below detection limit.

**Checked By:****Virat Global Lab  
Authorized Signatory**

Authorised Signatory

D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/05/13/253 - 13

Report Issue Date : 18.05.2023

## TEST REPORT (NOISE)

Name and Address of Customer : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Sampling Location : SIMARIYA VILLAGE (BUFFER ZONE)

Date & Duration of Sampling : 11.05.2023 & 24 Hrs.

Sampling Done by : VGL STAFF

Method of Sampling : IS:9989

Sample Receiving Date : 13.05.2023

Sample processing Date : 13.05.2023

### AMBIENT NOISE RESULT

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	SIMARIYA VILLAGE (BUFFER ZONE)	6:00 AM TO 10:00 PM	50.6	10.00 PM TO 6:00 AM	40.1

### NOISE (AMBIENT STANDARDS AS PER CPCB)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Virat Global Lab  
Authorized Signatory

Authorised Signatory  
D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/05/13/253 - 14

Report Issue Date : 18.05.2023

## TEST REPORT (NOISE)

Name and Address of Customer : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)  
Sampling Location : BHUPATIPURA VILLAGE (BUFFER ZONE)  
Date & Duration of Sampling : 11.05.2023 & 24 Hrs.  
Sampling Done by : VGL STAFF  
Method of Sampling : IS:9989  
Sample Receiving Date : 13.05.2023  
Sample processing Date : 13.05.2023

### AMBIENT NOISE RESULT

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	BHUPATIPURA VILLAGE (BUFFER ZONE)	6:00 AM TO 10:00 PM	51.3	10.00 PM TO 6:00 AM	39.7

### NOISE (AMBIENT STANDARDS AS PER CPCB)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Checked By:



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Authorised Signatory  
D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/05/13/253 - 15

Report Issue Date : 18.05.2023

## TEST REPORT (NOISE)

Name and Address of Customer : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)  
Sampling Location : MOHDKH VILLAGE (BUFFER ZONE)  
Date & Duration of Sampling : 11.05.2023 & 24 Hrs.  
Sampling Done by : VGL STAFF  
Method of Sampling : IS:9989  
Sample Receiving Date : 13.05.2023  
Sample processing Date : 13.05.2023

### AMBIENT NOISE RESULT

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	MOHDKH VILLAGE (BUFFER ZONE)	6:00 AM TO 10:00 PM	51.8	10.00 PM TO 6:00 AM	39.6

### NOISE (AMBIENT STANDARDS AS PER CPCB)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Authorized Signatory

Authorised Signatory  
D. K. Yadav  
Lab In-charge

Test Report Code : VGL/N/23/05/13/253 - 16

Report Issue Date : 18.05.2023

## TEST REPORT (NOISE)

Name and Address of Customer : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)  
Sampling Location : UMRI VILLAGE (BUFFER ZONE)  
Date & Duration of Sampling : 11.05.2023 & 24 Hrs.  
Sampling Done by : VGL STAFF  
Method of Sampling : IS:9989  
Sample Receiving Date : 13.05.2023  
Sample processing Date : 13.05.2023

### AMBIENT NOISE RESULT

Sl. No.	Locations	Day Time		Night Time	
		Time	Leq Value in dB(A)	Time	Leq Value in dB(A)
1.	UMRI VILLAGE (BUFFER ZONE)	6:00 AM TO 10:00 PM	50.3	10.00 PM TO 6:00 AM	40.2

### NOISE (AMBIENT STANDARDS AS PER CPCB)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Page 1 of 1

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Checked By:



Virat Global Lab  
Authorized Signatory

Authorised Signatory  
D. K. Yadav  
Lab In-charge





## Event Report

Date/Time Vert at 17:30:12 September 1, 2023  
 Trigger Source Geo: 0.300 mm/s, Mic: 100.00 dB(L)  
 Range Geo: 254.0 mm/s  
 Record Time 3.0 sec at 2048 sps  
 Operator/Setup: Operator/factory.MMB

Serial Number UM20052 V 10-90GC Micromate ISEE  
 Battery Level 3.6 Volts  
 Unit Calibration October 20, 2022 by UES New Delhi  
 File Name \_TEMP.EVT

## Notes

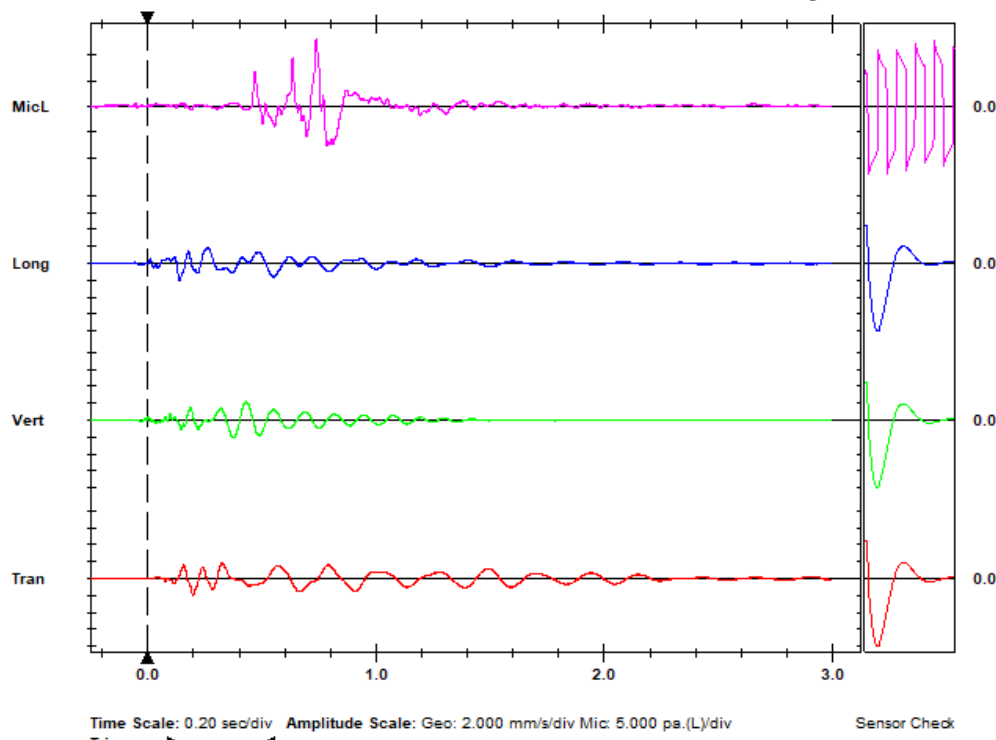
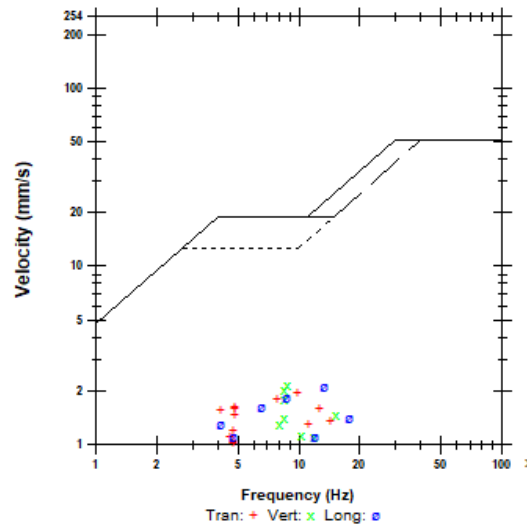
Location:  
 Client:  
 User Name: KONI SIMARIYA LIMESTONE MINE  
 General:

Microphone Linear Weighting  
 PSPL 110.3 dB(L) at 0.737 sec  
 ZC Freq 11.3 Hz  
 Channel Test Passed (Freq = 19.7 Hz Amp = 1179 mv)

	Tran	Vert	Long	
PPV	1.983	2.175	2.104	mm/s
ZC Freq	9.8	8.7	13.3	Hz
Time (Rel. to Trig)	0.197	0.429	0.138	sec
Peak Acceleration	0.020	0.023	0.028	g
Peak Displacement	0.050	0.040	0.038	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	4.5	4.4	4.2	

Peak Vector Sum 2.412 mm/s at 0.558 sec

## USBM R18507 And OSMRE



Printed: October 18, 2023 (V 10.72 - 10.72.1)

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## Event Report

Date/Time Long at 17:34:48 September 4, 2023  
Trigger Source Geo: 0.300 mm/s, Mic: 100.00 dB(L)  
Range Geo: 254.0 mm/s  
Record Time 3.0 sec at 2048 sps  
Operator/Setup: Operator/factory.MMB

Serial Number UM20052 V 10-90GC Micromate ISEE  
Battery Level 3.6 Volts  
Unit Calibration October 20, 2022 by UES New Delhi  
File Name \_TEMP.EVT

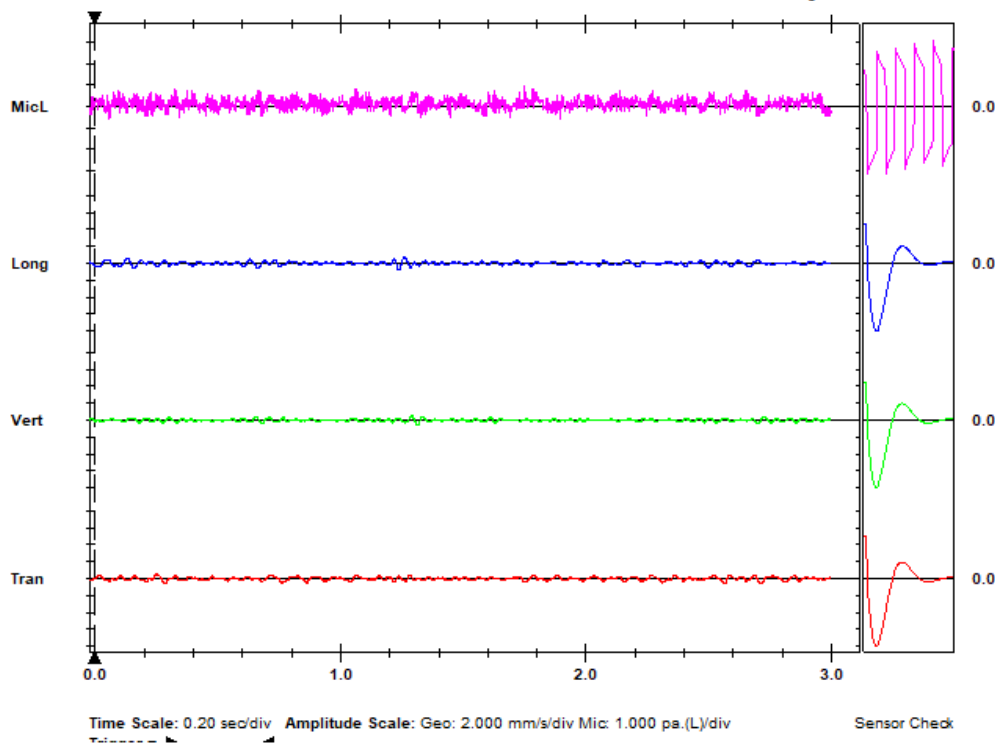
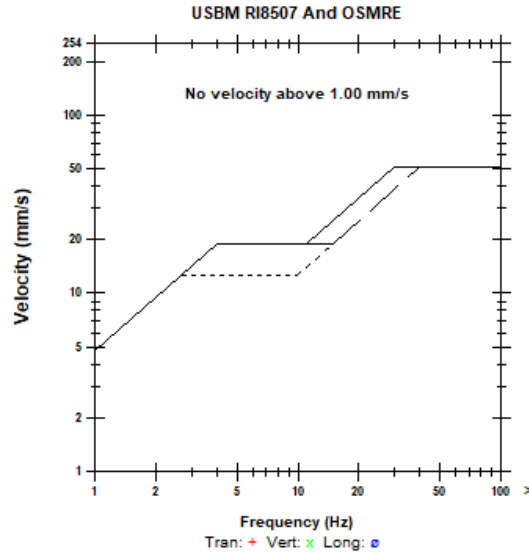
### Notes

Location:  
Client:  
User Name: KONI SIMARIYA LIMESTONE MINE  
General:

Microphone Linear Weighting  
PSPL 93.50 dB(L) at 1.750 sec  
ZC Freq 33 Hz  
Channel Test Passed (Freq = 19.7 Hz Amp = 1137 mv )

	Tran	Vert	Long	
PPV	0.831	0.544	0.812	mm/s
ZC Freq	14.2	20	24	Hz
Time (Rel. to Trig)	2.585	1.312	1.236	sec
Peak Acceleration	0.018	0.013	0.016	g
Peak Displacement	0.006	0.004	0.006	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	4.4	4.3	4.2	

Peak Vector Sum 0.900 mm/s at 1.237 sec







## Event Report

Date/Time Long at 17:58:22 September 5, 2023  
Trigger Source Geo: 0.300 mm/s, Mic: 100.00 dB(L)  
Range Geo: 254.0 mm/s  
Record Time 3.0 sec at 2048 sps  
Operator/Setup: Operator/factory.MMB

Serial Number UM20052 V 10-90GC Micromate ISEE  
Battery Level 3.6 Volts  
Unit Calibration October 20, 2022 by UES New Delhi  
File Name \_TEMP.EVT

### Notes

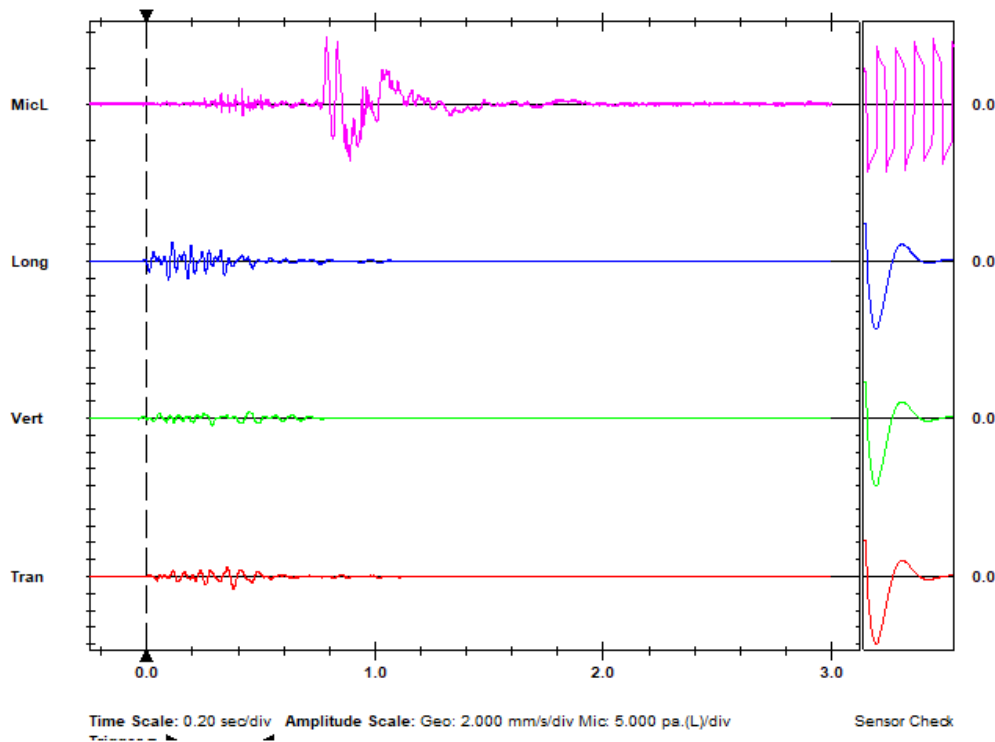
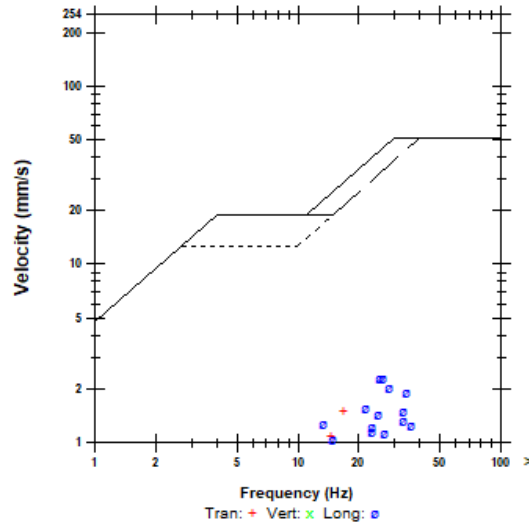
Location:  
Client:  
User Name: KONI SIMARIYA LIMESTONE MINE  
General:

Microphone Linear Weighting  
PSPL 113.3 dB(L) at 0.786 sec  
ZC Freq 14.0 Hz  
Channel Test Passed (Freq = 20.5 Hz Amp = 1264 mv )

	Tran	Vert	Long	
PPV	1.498	0.859	2.301	mm/s
ZC Freq	16.8	15.3	26	Hz
Time (Rel. to Trig)	0.380	0.286	0.111	sec
Peak Acceleration	0.023	0.023	0.084	g
Peak Displacement	0.013	0.010	0.014	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.5	Hz
Overswing Ratio	4.5	4.4	4.2	

Peak Vector Sum 2.379 mm/s at 0.112 sec

USBM RI8507 And OSMRE





## Event Report

Date/Time Long at 17:11:39 September 8, 2023  
Trigger Source Geo: 0.300 mm/s, Mic: 100.00 dB(L)  
Range Geo: 254.0 mm/s  
Record Time 3.0 sec at 2048 sps  
Operator/Setup: Operator/factory.MMB

Serial Number UM20052 V 10-90GC Micromate ISEE  
Battery Level 3.5 Volts  
Unit Calibration October 20, 2022 by UES New Delhi  
File Name \_TEMP.EVT

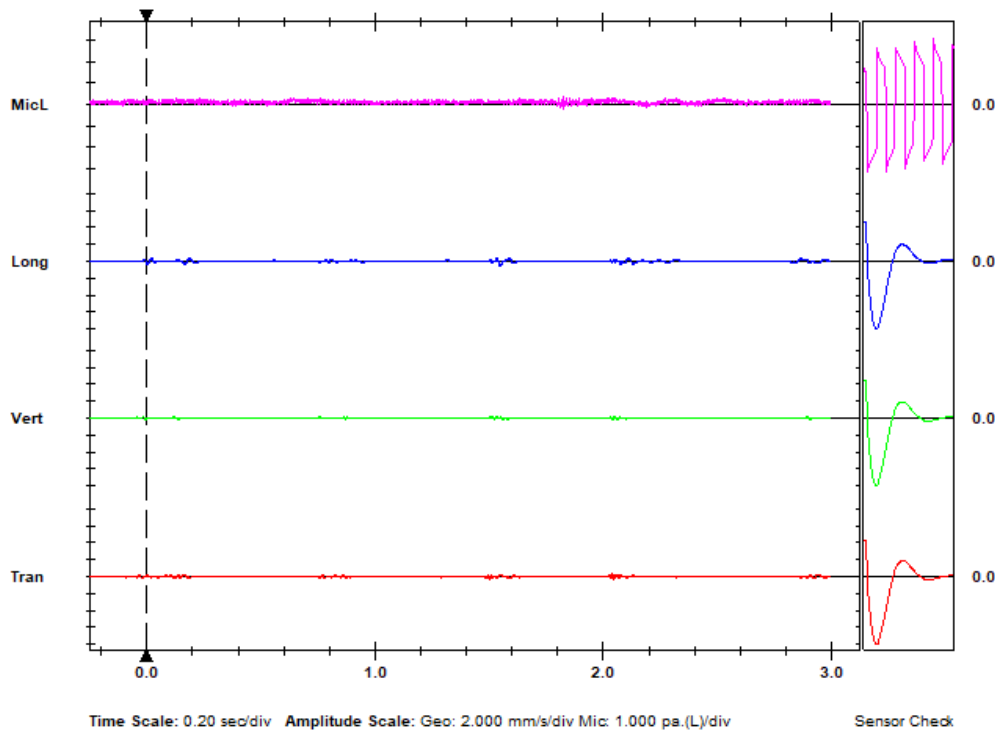
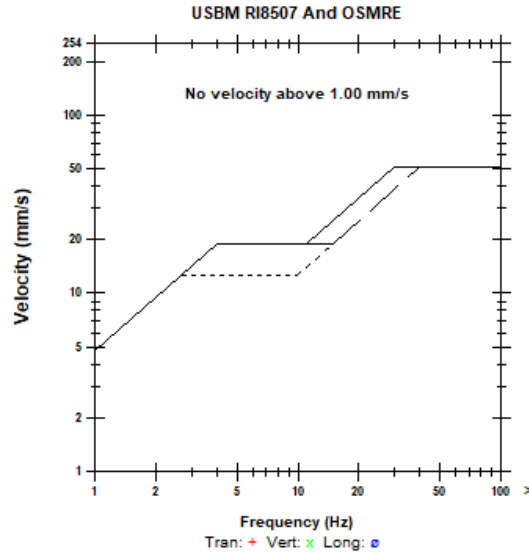
### Notes

Location:  
Client:  
User Name: KONI SIMARIYA LIMESTONE MINE  
General:

Microphone Linear Weighting  
PSPL <88 dB(L)  
ZC Freq 60 Hz  
Channel Test Passed (Freq = 19.7 Hz Amp = 1189 mv )

	Tran	Vert	Long	
PPV	0.331	0.197	0.512	mm/s
ZC Freq	73	33	25	Hz
Time (Rel. to Trig)	2.040	1.533	1.547	sec
Peak Acceleration	0.020	0.012	0.018	g
Peak Displacement	0.002	0.001	0.004	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	4.5	4.3	4.2	

Peak Vector Sum 0.562 mm/s at 1.549 sec  
N/A: Not Applicable





## Event Report

Date/Time Long at 13:52:44 September 9, 2023  
Trigger Source Geo: 0.300 mm/s, Mic: 100.00 dB(L)  
Range Geo: 254.0 mm/s  
Record Time 3.0 sec at 2048 sps  
Operator/Setup: Operator/factory.MMB

Serial Number UM20052 V 10-90GC Micromate ISEE  
Battery Level 3.6 Volts  
Unit Calibration October 20, 2022 by UES New Delhi  
File Name \_TEMP.EVT

### Notes

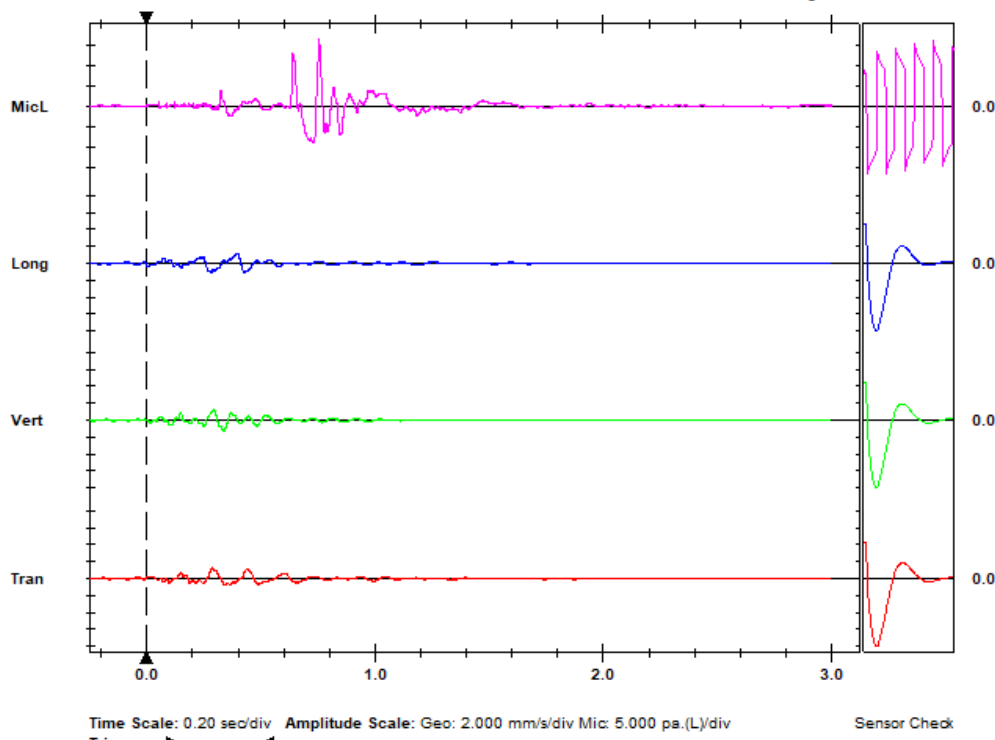
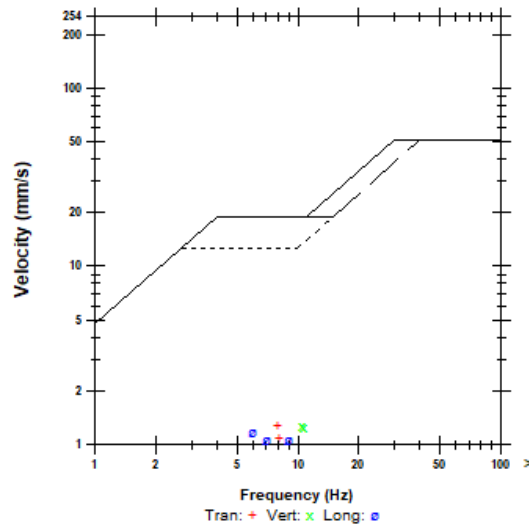
Location:  
Client:  
User Name: KONI SIMARIYA LIMESTONE MINE  
General:

Microphone Linear Weighting  
PSPL 118.3 dB(L) at 0.753 sec  
ZC Freq 17.1 Hz  
Channel Test Passed (Freq = 19.7 Hz Amp = 1188 mv)

	Tran	Vert	Long	
PPV	1.285	1.289	1.174	mm/s
ZC Freq	8.1	10.4	6.1	Hz
Time (Rel. to Trig)	0.286	0.293	0.395	sec
Peak Acceleration	0.013	0.018	0.018	g
Peak Displacement	0.021	0.018	0.024	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.5	Hz
Overswing Ratio	4.6	4.4	4.1	

Peak Vector Sum 1.885 mm/s at 0.286 sec

USBM R18507 And OSMRE



# कार्यालय प्रधान मुख्य वन संरक्षक (वन्यप्राणी), मध्य प्रदेश

प्रगति भवन, भोपाल विकास प्राधिकरण, तृतीय तल, एम.पी.नगर, भोपाल

दूरभाष : 0755-2674318, 2674337, फ़ैक्स : 0755-2766315

E-mail : pccfwl@mp.gov.in

क्रमांक / व.प्रा. / मा.चि. / GEN.-274 /  
प्रति,

4081

भोपाल, दिनांक 16.6.2021

General Manager (Environment-Project),  
Jaykaycem (Central) Ltd., My Home Residency,  
Opp. Essar Petroal Pump,  
Katni Road, Amangaj- 488441 Panna, MP  
(E-mail : amin@jkcements.com)

**विषय :-** Request for Authenticated list Flora and Fauna and Approval of Wildlife Conservation Plan, for the lease area catering to "koni-Simariya Limestone Block of Jaykaycem (Central) Limited over an area of 3095.23 Hectares with production capacity 9.05 Million TPA of ROM (Lime Stone: 5.08 Million TPA; Soil: 2.94 Million TPA and OB: 1.03 Million TPA) with crusher capacity of 1800TPH, Mine located in village (s)-Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Devri, Pagra & Kluwa, Teshil Simariya, District Panna in State of Madhya Pradesh.

**संदर्भ :-** आपका पत्र क्रमांक SM/EMD/MoEF/F 01/008 Dated 22.02.2021 एवं क्षेत्र संचालक, पन्ना टाइगर रिजर्व, पन्ना का पत्र क्रमांक / मा.चि. / 2021 / 741 दिनांक 01.06.2021

—00—

उपरोक्त विषयांतर्गत संदर्भित पत्र से आपके द्वारा जिला पन्ना के सिमरिया तहसील कोनीबोदा, गुधा, महाराजगंज, गनियारी, वनभाई, सिमरिया, देवरी, पगरा एवं कुलुआ ग्रामों की 3095.23 हेक्टेयर माइन क्षेत्र में कोनी-सिमरिया लाइम स्टोन माइन की उत्पादन क्षमता 9.05 मिलियन टीपीए से क्रेशर के साथ क्षमता 1800 टीपीएच बढ़ाने संबंधी प्रकरण में भारत सरकार द्वारा जारी सामान्य शर्तों अनुसार माइन क्षेत्र एवं उसके बफर क्षेत्र में पाये जाने वाले फ्लोरा-फोना के संरक्षण हेतु एनके इन्वायरो सर्विसेस प्रायवेट लिमिटेड, जयपुर से 10 वर्षों के लिए रुपये 160 लाख की वन्यप्राणी संरक्षण योजना तैयार कराकर संलग्न कर अनुमोदन हेतु प्रेषित की गई थी। क्षेत्र संचालक, पन्ना टाइगर रिजर्व द्वारा वन्यप्राणी योजना का परीक्षण उपरांत रुपये 180 लाख की संशोधित वन्यप्राणी योजना संदर्भित पत्र दिनांक 01.06.2021 से इस कार्यालय को प्रेषित की गई है। उक्त 10 वर्षों की रुपये 180 लाख की वन्यप्राणी संरक्षण योजना का अनुमोदन किया जाता है। उक्त वन्यप्राणी संरक्षण योजना में फ्लोरा-फोना के संरक्षण एवं संवर्धन के प्रस्तावित कार्यों हेतु प्रावधानित राशि का विवरण निम्नानुसार है :-

**Table 8: Proposed Budgetary Action Plan for Conservation of Schedule-I Species in the Buffer zone. (10 Years)**

Table 8: Proposed Budgetary Action Plan for Conservation of Schedule-I Species in the Buffer Zone. (10 Years)												
S. No.	Activities	Years Wise fund allocation (in Lakhs)										Total
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	
1	Habitat improvement & mitigative measures (Food, Water, Shelter, Movement etc) and measures to reduce. minimize the human-animal conflict											
1a	Plantation in forest area and buffer zone in consultation with DFO	5.75	6.0	6.25	6.5	6.75	7.0	7.25	7.50	7.750	8.00	68.75
1b	Rejuvenation of existing water bodies in forest area and buffer zone	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	31.25
	Sub-Total	7.75	8.25	8.75	9.25	9.75	10.25	10.75	11.25	11.75	12.25	100
2	Awareness and extension (Forest staff will also be invited for various activities to ensure participation)											
2a	Provision of Awareness and educational program for wildlife, biodiversity significance at school level, village level and Gram Panchayat level in consultation of forest department.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10
3	Support for Forest Department for monitoring, rescue & rehabilitation of wildlife veterinary care, animal health rescue, tools and equipment etc.											
3a	Provision for necessary veterinary medicine and rescue (rehabilitation of wildlife Veterinary care	15	3	3	3	3	3	3	3	2	2	40
4	Contribution Towards conservation of wildlife											
4a	Provision for Research and monitoring etc.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	10

5	Miscellaneous including Eco-Development and capacity building											
5a	Miscellaneous including Eco-Development and capacity building	6.50	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	20
	<b>TOTAL FOR WLCP FOR TOR PROJECTS</b>	<b>31.25</b>	<b>14.75</b>	<b>15.25</b>	<b>15.75</b>	<b>16.25</b>	<b>16.75</b>	<b>17.25</b>	<b>17.75</b>	<b>17.75</b>	<b>17.75</b>	<b>180</b>

वन्यप्राणी संरक्षण योजना में पृष्ठ क्रमांक-45 एवं 46 पर वन्यप्राणी प्रबंधन हेतु दर्शाये गये कार्यों की वन्यप्राणी संरक्षण योजना की एक प्रति मुख्य वन संरक्षक, छतरपुर वृत्त, एक प्रति क्षेत्र संचालक, पन्ना टाइगर रिजर्व, पन्ना एवं वनमण्डलाधिकारी, दक्षिण पन्ना सामान्य वनमण्डल को उपलब्ध कराये। तथा वन्यप्राणी संरक्षण योजना में वन्यप्राणी प्रबंधन हेतु प्रावधानित राशि समय सीमा में वर्षवार वनमण्डलाधिकारी, दक्षिण पन्ना सामान्य वनमण्डल, पन्ना को उपलब्ध कराया जाना सुनिश्चित करें। अनुमोदित वन्यप्राणी संरक्षण योजना की हस्ताक्षरित एक प्रति संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न :- उपरोक्तानुसार।

(आलोक कुमार)

मुख्य वन्यप्राणी अभिरक्षक एवं  
प्रधान मुख्य वन संरक्षक (व.प्रा.), म.प्र.

क्रमांक/व.प्रा./मा.चि./GEN.-274/ 4082  
प्रतिलिपि :-

भोपाल, दिनांक 16.6.2024

1. मुख्य वन संरक्षक, छतरपुर वृत्त छतरपुर।
2. क्षेत्र संचालक, पन्ना टाइगर रिजर्व, पन्ना।
3. वनमण्डलाधिकारी, दक्षिण पन्ना सामान्य वनमण्डल।

की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित। उक्त अनुमोदित वन्यप्राणी संरक्षण योजना की एक प्रति आवेदक संस्था से प्राप्त करें तथा प्रावधानित कार्यों का समय सीमा में क्रियान्वयन किया जाना सुनिश्चित करें।

मुख्य वन्यप्राणी अभिरक्षक एवं  
प्रधान मुख्य वन संरक्षक (व.प्रा.), म.प्र.





# कार्यालय वनमण्डलाधिकारी दक्षिण वनमण्डल पन्ना (म.प्र.)

Office - 07732 - 252016 E-mail - dfosouth@rediffmail, dfotspanna@mp.gov.in, dfosouthpanna@gmail.com

क्रमांक/मा.चि./2023/3259  
प्रति,

पन्ना दिनांक 28.06.23

जनरल मैनेजर  
(इन्वायरनमेंट प्रोजेक्ट)  
जे.के. सेम (सेन्टल) लि.  
कटनी रोड़ अमानगंज  
जिला पन्ना

**विषय :-** Request for Authenticated list of flora and fauna and approval of wildlife conservation plan for the lease area catering to "Koni simariya Limestone Block Of Jaykaycem (cental) Limited over an area of 3095.23 Hectares with Production Capacity 9.05 Million TPA of Rom (Lime Stone:5.08 Million TPA; Soil:2.94 Million TPA and OB: 1.03 Million TPA) With Crusher Capacity of 1800 TPH, Mine located In village (S)-koni, Boda, Gudha Maharajganj, Ganiyari, Vanbhai Devari, Pagra and Kluwa, Tahsil Simariya, Distt. Panna in State Madhya Pradesh.

**संदर्भ:-** प्रधान मुख्य वन संरक्षक (वन्यप्राणी) म.प्र. भोपाल का पत्र क्रमांक/व.प्रा./मा.चि. /सामान्य-274/4081 भोपाल दिनांक 16.06.2021

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उपरोक्त विषय के अंतर्गत कृपया संदर्भित पत्र का अवलोकन करे। पन्ना जिले के सिमरिया तहसील कोनी, बोदा, गुढा महाराजगंज, गनियारी, वनभई, सिमरिया, देवरी पगरा एवं कुलुवा ग्रामों की 3095.23 हेक्टेयर माईन्स क्षेत्र में कोनी सिमरिया लाईम स्टोन के उत्पादन क्षमता 9.05 मिलियन टी.पी.ए. क्रेशर के साथ क्षमता 1800 टी.पी.ए. बढ़ाने सम्बंधी भारत सरकार द्वारा जारी सामान्य शर्तों अनुसार माईन्स क्षेत्र एवं उनके बफर क्षेत्र में पाये जाने वाले फ्लोरा-फोना के संरक्षण हेतु क्षेत्र संचालक पन्ना टाईगर रिजर्व द्वारा वन्य प्राणी संरक्षण योजना 10 वर्ष की रु.180लाख का अनुमोदन प्रधान मुख्य वनसंरक्षक (वन्य प्राणी) मध्यप्रदेश भोपाल द्वारा संदर्भित पत्र के माध्यम से किया गया है। वन्य प्राणी संरक्षण योजना में फ्लोरा-फोना के संरक्षण हेतु संदर्भित पत्र से बफर जोन क्षेत्र में प्रावधानित राशि प्रथम वर्ष (2021-22) रु. 31.25 लाख, द्वितीय वर्ष (2022-23) रु. 14.75 लाख, एवं तृतीय वर्ष (2023-24) रु. 15.25 लाख प्रावधानित कार्य हेतु आपके द्वारा इस कार्यालय को उपलब्ध कराने हेतु आपको निर्देशित किया गया है। पत्र की छाया प्रति संलग्न है।

अतः आप उक्त राशि तत्काल इस कार्यालय को वनमण्डलाधिकारी दक्षिण पन्ना (मुख्य कार्यपालन अधिकारी दक्षिण पन्ना खाता क्र.63033636857 I.F.S.C.Code. SBIN0030436) के पक्ष में उक्त राशि जमा करें ताकि योजना अनुसार प्रावधानित कार्य कराया जा सके।

संलग्न:- उपरोक्तानुसार

वन मण्डलाधिकारी  
दक्षिण वनमण्डल पन्ना (म.प्र.)



क्रमांक/मा.चि./2023/ 3260

पन्ना दिनांक 28.06.23

प्रतिलिपि :-

- ✓ प्रधान मुख्य संरक्षक (वन्यप्राणी) म.प्र. भोपाल को उनके पत्र क्र./व.प्र./मा.चि./सामान्य-274/4081 दिनांक 16.6.2021 के संदर्भ में सूचनार्थ सम्प्रेषित।
- ✓ क्षेत्र संचालक पन्ना टाईगर रिजर्व पन्ना को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।
- ✓ मुख्य वनसंरक्षक छतरपुर वृत्त छतरपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।

वन मण्डलाधिकारी  
दक्षिण वनमण्डल पन्ना (म.प्र.)



**Jaykaycem (Central) Ltd.**  
(Wholly Owned Subsidiary of JK Cement Ltd.)

Village : Harduwakan, Tehsil: Amanganj,  
District: Panna, M.P., India, Pin - 488441  
CIN: U72305UP1987PLC009162

☎ 9329141591 📧 jkc.panna@jkcement.com

Ref. No.: PCP/EMD/MoEF/F 04/08

Dated: 31.07.2023

To,  
The District Forest officer,  
South Panna,  
Panna- 488001 (MP)

**Subject: Request for authenticated list of flora and fauna and approval of Wild Life Conservation Plan for the lease area catering to "Koni-Simariya Limestone Block of Jaykaycem Central Limited over an area of 3095.23 Ha. With production capacity 9.05 MTPA of ROM (Limestone:5.08 MTPA, Soil:2.94 MTPA and OB: 1.03 MTPA) with crusher capacity of 1800 TPH, mine located in villag9s) Koni , Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra and Kuluwa, Tahsil Simariya, District Panna in State Madhya Pradesh**

Ref.: 1- Letter no. Maa.chi./2023/3259 dated 28.06.2023.

Dear Sir,

I am writing to confirm that JK Cement Ltd has deposited the funds required for the Wildlife Conservation Plan as per your letter no. Maa.chi./2023/3259 dated 28.06.2023 by the Principal Chief Conservator of Forests, Wildlife, Madhya Pradesh Bhopal. The total amount of Rs. 61.25 Lakh (2021-22 Rs. 31.25 Lakh, 2022-23 Rs. 14.75 Lakh, 2023-24 Rs. 15.25 Lakh) has been deposited into the following account:

Account Name: Divisional Forest Officer, South Panna (Chief Executive Officer, South Panna)

Account Number: 63033636857, IFSC Code: SBIN0030436

The details of the cheques are as follows:

Ch No-977851- Rs. 20.00 Lacs, dated 31.07.2023

Ch No- 977852 - Rs. 11.25 Lacs, dated 31.07.2023

Ch No- 977853 - Rs. 14.75 Lacs, dated 31.07.2023

Ch No- 977854- Rs. 15.25 Lacs, dated 31.07.2023

Corporate Office

- Padam Tower, 19 DDA Community Centre  
Okhla, Phase - 1, New Delhi - 110020, India
- +011-49220000
- admin.padamtower@jkcement.com
- www.jkcement.com

**JK SUPER  
CEMENT**  
BUILD SAFE

JK CEMENT  
**WallMaxX**  
White Cement Wall Putty

Manufacturing Units at :  
Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka) | Jharli (Haryana)  
Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

Registered Office : Padam Tower, Okhla, New Delhi - 110020



I have enclosed copies of the cheques for your reference.

We are committed to complying with the regulations and requirements set forth by the South Panna, Forest Department, and we look forward to working with you towards the protection and conservation of flora and fauna in the mines area and their buffer zone.

Sincerely,



Kapil Agrawal  
(Unit Head)  
Jaykaycem (Central) Ltd.

**Enclosures:**

1. Copy of Cheque No-977851- Rs. 20.00 Lacs, dated 31.07.2023
2. Copy of Cheque No - 977852 - Rs. 11.25 Lacs, dated 31.07.2023
3. Copy of Cheque No - 977853 - Rs. 14.75 Lacs, dated 31.07.2023
4. Copy of Cheque No - 977854- Rs. 15.25 Lacs, dated 31.07.2023

**Corporate Office**

◆ Padam Tower, 19 DDA Community Centre  
Okhla, Phase - 1, New Delhi - 110020, India  
☎ +011-49220000  
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**JK CEMENT  
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Registered Office : ✪ Kamia Tower, Kanpur-208001, U.P., India. ☎ +91-512-2371478 to 85 ✪ 91-512-2399854 🌐 www.jkcement.com

**भारतीय स्टेट बैंक**  
**State Bank Of India**

(00447)-PANNA  
POST BAG NO.3, PANNA,  
CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST: PANNA, MADHYA PRADESH 488001  
Tel : 91 7732252019 Fax : IFS Code : SBIN0000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY  
31 07 20 23  
D D M M Y Y Y Y

Ra2YyL

PAY C.E.O. F.D.A. South Forest Division Panna को या उनके आदेश पर OR ORDER

रुपये RUPEES Fifteen lach twenty five thousand only

अदा करें

₹

15,25,000/-

खा. सं.  
A/c No.

41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

52512147614

CURRENT A/C

PREFIX :  
1515600001

JAY KAY CEM (CENTRAL) LTD.

Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈977854⑈ 488002001⑈ 000426⑈ 29

**भारतीय स्टेट बैंक**  
**State Bank Of India**

(00447)-PANNA  
POST BAG NO.3, PANNA,  
CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST: PANNA, MADHYA PRADESH 488001  
Tel : 91 7732252019 Fax : IFS Code : SBIN0000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY  
31 07 20 23  
D D M M Y Y Y Y

WhyEL2

PAY C.E.O. F.D.A. South Forest Division Panna को या उनके आदेश पर OR ORDER

रुपये RUPEES Eleven lach twenty five thousand only

अदा करें

₹

11,25,000/-

खा. सं.  
A/c No.

41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

52512147614

CURRENT A/C

PREFIX :  
1515600001

JAY KAY CEM (CENTRAL) LTD.

Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈977852⑈ 488002001⑈ 000426⑈ 29

**भारतीय स्टेट बैंक**  
**State Bank Of India**

(00447)-PANNA  
POST BAG NO.3, PANNA,  
CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST: PANNA, MADHYA PRADESH 488001  
Tel : 91 7732252019 Fax : IFS Code : SBIN0000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY  
31 07 20 23  
D D M M Y Y Y Y

c9EL3y

PAY C.E.O. F.D.A. South Forest Division Panna को या उनके आदेश पर OR ORDER

रुपये RUPEES fourteen lach seventy five thousand only

अदा करें

₹

14,75,000/-

खा. सं.  
A/c No.

41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

52512147614

CURRENT A/C

PREFIX :  
1515600001

JAY KAY CEM (CENTRAL) LTD.

Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈977853⑈ 488002001⑈ 000426⑈ 29

**भारतीय स्टेट बैंक**  
State Bank Of India



(00547)-PANNA  
POST BAG NO. PANNA,  
CHHATRASAL COLLEGE ROAD, BENISAGAR, DIST: PANNA, MADHYA PRADESH 483001  
Tel : 91 7732252019 Fax : IFS Code : SBIN000447 SWIFT :

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY

31072023  
D D M M Y Y Y Y

9mEjj3

PAY C.F.O. F.D.A. South Forest Division Panna

को या उनके आदेश पर OR ORDER

रुपये RUPEES Twenty Lakh only

अदा करें

₹ 20,00,000/-

खा. सं.  
A/c No. 41674121525

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

52512147614

CURRENT A/C

PREFIX :  
1515600001

JAY KAY CEM (CENTRAL) LTD.

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈977851⑈ 488002001⑈ 000426⑈ 29

cgwa-noc.gov.in/ExternalUser/MiningRenew/RenewalDetail/MiningRenewDetail.aspx

**Information**  
[Guidelines](#)  
[Steps for Filling Online Application](#)

**Documents Required**  
[Documents Required for Online Application](#)  
[Industrial](#)  
[Infrastructure](#)  
[Mining](#)

**Track Status**  
[Application Status](#)  
[Online](#)

**Location**  
[Area Type](#)  
[Segment-B Area Type](#)  
[Regional office Location](#)  
[CGWA Headquarters](#)  
[Know Your Environmental Compensation\(EC\)](#)  
[Know Your Boundary](#)

**Application Status**  

Application No :	21-4/1091/MP/MIN/2021												
Receive Date :	17/10/2023												
Name of Mining :	KONI-SIMARIYA LIMESTONE BLOCK												
Application Processing Fee :	Rs. 5000.00/- (Rupees Five Thousand Only) (Submitted: Yes)												
Ground Water Abstraction/Restoration Charge :	Charge: <table> <thead> <tr> <th>SN</th> <th>Submitted Amount</th> <th>Submitted</th> <th>Submitted Date</th> <th>Amount to be submitted</th> <th>Due Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>609504.00</td> <td>Yes</td> <td>30/05/2023</td> <td>609504.00</td> <td>30/05/2024</td> </tr> </tbody> </table> Acrear: No Record Exists.	SN	Submitted Amount	Submitted	Submitted Date	Amount to be submitted	Due Date	1	609504.00	Yes	30/05/2023	609504.00	30/05/2024
SN	Submitted Amount	Submitted	Submitted Date	Amount to be submitted	Due Date								
1	609504.00	Yes	30/05/2023	609504.00	30/05/2024								
Current Stage :	Application Processing Stage												
Current Status :	In Process												
Address :	Central Ground Water Authority 18/11, Jannagar House, Nan Singh Road NEW DELHI DELHI												

cgwa-noc.gov.in/ExternalUser/MiningRenew/RenewalDetail/MiningRenewDetail.aspx

[Applied for NOC - Online](#)  
[NOC Issued-Online](#)

**Contact Us**  
[Contact](#)

	Officer)	Officer)					
	Central Ground	Central Ground					
	Water Authority	Water Authority					

**Application Processing**

Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment	Ground Water Recom Per Day	Ground Water Recom Annual
09/06/2023	(Evaluation Officer) Central Ground Water Authority	(Evaluation Officer) Central Ground Water Authority	(Approval Officer) Central Ground Water Authority	17/10/2023	Forward	Forwarded to AOHQ	883.00	304752.00
17/10/2023	(Evaluation Officer) Central Ground Water Authority	(Approval Officer) Central Ground Water Authority						

**NOC Processing**

Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment
No Record for this Stage.						

**NOC Disbursement**

Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment
No Record for this Stage.						

Go Back



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:	Koni-simariya Limestone Block		
Project Address:	Villages-koni - Simariya Etc.tehsil-simariya, District-panna		
Village:	Simariya	Block:	Panna
District:	Panna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	My Home Residency, Opp. Essar Petrol Pump, Katni Road, Tehsil-amanganj, District-panna, Panna, Panna, Madhya Pradesh - 488441		
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.	NOC No.:		CGWA/NOC/MIN/ORIG/2021/11999												
2.	Application No.:		21-4/1091/MP/MIN/2021				3.	Category: (GWRE 2017)			Safe				
4.	Project Status:		New Project				5.	NOC Type:			New				
6.	Valid from:		03/06/2021				7.	Valid up to:			02/06/2023				
8.	Ground Water Abstraction Permitted:														
Fresh Water			Saline Water				Dewatering				Total				
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
160.00		48000.00						606.00		181800.00					
9.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:0							Total Proposed No.:10								
			DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*			0	0	0	0	0	0	0	0	2	0	8	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
10.	Ground Water Abstraction/Restoration Charges paid (Rs.):							919200.00							
11.	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.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये  
SAVE WATER - SAVE LIFE



**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 CPCB 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.

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



**Jaykaycem (Central) Ltd.**

(CIN: U72305UP1987PLC009162)

(Wholly Owned Subsidiary of JK Cement LTD.)

Phone : +91-512-2371478 to 81  
Fax (Office) : +91-512-2399354  
Telefax : +91-512-2332665  
E-mail : prabhat.srivastava@jkcement.com

Registered Office :  
Kamla Tower, Kanpur-208 001 (U.P.) INDIA

Ref. No. SM/EMD/CWLA/F 12/012  
प्रति,

दिनांक - 01.11.2021

कलेक्टर महोदय,  
जिला पन्ना (म0प्र0) . 488 001

**विषय** - पर्यावरण स्वीकृति सूचना - पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय भारत सरकार नई दिल्ली ने मेसर्स जेकेसेम (सेन्ट्रल) लिमिटेड की प्रस्तावित चूना पत्थर खनन परियोजना ग्राम - मेसर्स जेकेसेम (सेन्ट्रल) लिमिटेड की ग्राम कोनी, बोडा, गुढ़ा, महाराजगंज, गनयारी, बनभई, सिमरिया, देवरी, पगरा, कुलावा, तहसील - सिमरिया, जिला - पन्ना (म0प्र0)।

**संदर्भ**- पर्यावरण स्वीकृति EC Identification No. EC21A001MP114641, File No. -11015/80/2020/IA.II(M), दिनांक 01.11.2021।

महोदय,

आपको सूचित किया जाता है कि पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई. एफ.सी.सी.) भारत सरकार नई दिल्ली ने ई.आई.ए. अधिसूचना 2006 के अधीन मेसर्स जेकेसेम (सेन्ट्रल) लिमिटेड की प्रस्तावित चूना पत्थर खनन परियोजना ग्राम- मेसर्स जेकेसेम (सेन्ट्रल) लिमिटेड की ग्राम कोनी, बोडा, गुढ़ा, महाराजगंज, गनयारी, बनभई, सिमरिया, देवरी, पगरा, कुलावा तहसील सिमरिया जिला-पन्ना (म0प्र0) की प्रस्तावित चूना पत्थर खनन परियोजना के लिए पर्यावरण स्वीकृति प्रदान की गई है।

वास्ते जेकेसेम (सेन्ट्रल) लिमिटेड

(रामपाल गोयल)

महाप्रबन्धक (परियोजना, पर्यावरण)

**सलग्नक**- पर्यावरण स्वीकृति File No. -11015/80/2020/IA.II(M), दिनांक 01.11.2021।

**प्रतिलिपि**-

क्रमांक	कार्यालय का नाम	समग्री प्राप्त करने वाले के नाम/हस्ताक्षर
1	कलेक्टर महोदय, जिला पन्ना (म0प्र0) . 488 001	



**Sites:**

Villages : Kakra, Kamtana, Judi, Saptai, Devri-Purohit, Devra, Tehsil - Amanganj, District - Panna, M.P. INDIA.  
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA



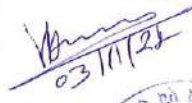




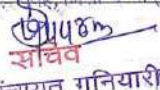
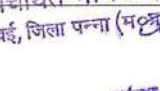

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2	मुख्य कार्यपालन अधिकारी, जिला पंचायत, पन्ना . 488 001	 03/11/21
3	महाप्रबंधक, जिला व्यापार एवं उद्योग केन्द्र, पन्ना. 488 001	 03/11/21
4	सरपंच, ग्राम पंचायत कोनी तहसील-सिमरिया जिला-पन्ना . 488 441	 21/11/21 कोनी
5	सरपंच, ग्राम पंचायत बोड़ा तहसील-सिमरिया जिला-पन्ना . 488 441	 बोड़ा ग्राम पंचायत बोड़ा ज.प.पवई, जिला पन्ना (म.प्र.)
6	सरपंच, ग्राम पंचायत गुढ़ा तहसील-सिमरिया जिला-पन्ना . 488 442	 गुढ़ा ग्राम पंचायत गुढ़ा ज.प.पवई, जिला पन्ना (म.प्र.)
7	सरपंच, ग्राम पंचायत गनियारी तहसील-सिमरिया जिला-पन्ना . 488 442	 गनियारी ग्राम पंचायत गनियारी ज.प.पवई, जिला पन्ना (म.प्र.)
8	सरपंच, ग्राम पंचायत देवरी तहसील-सिमरिया जिला-पन्ना. 488 442	 देवरी ग्राम पंचायत देवरी ज.प.पवई, जिला पन्ना (म.प्र.)
9	सरपंच, ग्राम पंचायत सिमरिया तहसील-सिमरिया जिला-पन्ना . 488 442	 03/11/2021 सिमरिया ग्राम पंचायत सिमरिया ज.प.पवई जिला पन्ना (म.प्र.)



### Sites:

Villages : Kakra, Kamtana, Judi, Saptai, Devri-Purohit, Devra, Tehsil - Amanganj, District - Panna, M.P. INDIA.  
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA



## न्यूज गैलरी

रक्तदान कर दो लोगों की  
बसाई जान

रक्तदान कर दो लोगों की बसाई जान

**रक्तदान** रक्तदान कार्यक्रम में पत्नी मीना मातेन विष्णु कोटि विहारी 40 वर्षीय रक्तदान कर रहे हैं। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।

## धनतेरस पर बाजार सजे, चित्रकूट में दीपोत्सव की शुरुआत

पर्व का उल्लास • पांच दिनों तक चलेगा दीपोत्सव मेला, व्यापारियों के चेहरे खिले, स्थानीय प्रशासन भी पूरी तरह मुस्तैद

**सतना (नई दुनिया प्रतिनिधि)** पंच मित्रों के दीपोत्सव त्योहार का आज धनतेरस पर उत्सव का दिन है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।



चित्रकूट में दीपोत्सव मेला का उत्सव सजे हुए है।



धनतेरस पर बाजार के व्यापारिक क्षेत्र में उत्सव का उत्सव सजे हुए है।

## किसके सिर सजेगा रैगांव विधायक का तान, परिणाम आएगा आज

**सतना (नई दुनिया प्रतिनिधि)** रैगांव विधानसभा क्षेत्र में आज 30 अक्टूबर को मतदान का दिन है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।

## त्योहार में नकली खाद्य सामग्री बेचने वालों की आई शामत



महल में मिठाई दुकानों में नकली खाद्य सामग्री बेचने वाले लोगों की शामत आई।

**सतना (नई दुनिया प्रतिनिधि)** चैत्र त्योहार के दौरान बाजार में नकली खाद्य सामग्री बेचने वाले लोगों की शामत आई। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।

## एसडीओ मनरंगा के खिलाफ सरपंचों ने खोला मोर्चा

**पन्ना (नई दुनिया न्यूज़)** मनरंगा की एसडीओ के खिलाफ सरपंचों ने खोला मोर्चा। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।

## मेहर में शारदा मा के मंदिर में भक्त ने चढ़ाया सोने का हार

**सतना (नई दुनिया प्रतिनिधि)** मेहर में शारदा मा के मंदिर में भक्त ने चढ़ाया सोने का हार। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।



सोने का हार शारदा मा के मंदिर में भक्त ने चढ़ाया।

**सतना (नई दुनिया प्रतिनिधि)** सोने का हार शारदा मा के मंदिर में भक्त ने चढ़ाया। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।

**पर्यावरण स्वीकृत के संघ में आम तृपण** पर्यावरण स्वीकृत के संघ में आम तृपण। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है। रक्तदान करने के लिए उन्होंने अपने पति के साथ सहभागिता ली है।

100% हॉलमार्क जेवर कम रेट पर फैन्सी डिजाइनों के साथ उपलब्ध

सबसे सस्ता सबसे अच्छा

**ज्वेलर्स**

जैसा नाम वैसा काम

श्री विदुर सराफ सुखनंदन प्रसाद सराफ

सर्टिफाइड डायमण्ड ज्वेलरी एवं 916 हॉलमार्क गहनों का एकमात्र शोरूम

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मात्र 10,000/- की खरीदी पर भी पाएं

KWID कार पाने का मौका

**लकी ड्रॉ**

5 जनवरी 2022 (बोप. 12.00 बजे)

सपना चौधरी के डॉस प्रोग्राम के साथ (स्टेडियम हनुमानगंज)

आपकी सेवा में सन् 1913 से

मात्र 1 लाख की खरीदी पर रोलेट द्वारा तत्काल लकी ड्रॉ

कोई न कोई उपहार का पाना निश्चित है

अभी तक हमारे 8 ग्राहक मोटर सायकल एवं अन्य कई ग्राहक आकर्षक उपहार प्राप्त कर चुके हैं।

तत्काल लकी ड्रॉ	पहला उपहार	दूसरा उपहार
रोलिंग मोटर सायकल	स्मार्ट Andriod TV (MI) 32"	क्रिज 185 नींद
तीसरा उपहार	स्मार्ट Andriod Mobile (MI)	वॉशिंग मशीन LG
पाँचवां उपहार	ड्राई (Dry Iron Philips)	मिक्सर ग्राइंडर
सातवां उपहार	10 घण्टे बैटरी सिस्का 1001 बीटी का	मोबाइल (Keypad)
नौवां उपहार		डिजिटल वॉल क्लॉक

हमारा प्रथम कर्तव्य ग्राहकों को शुद्ध गहने प्रदान करना है, जो हम चार पुरतों से करते आ रहे हैं।

1. हम लकी ड्रॉ ग्राहकों को आकर्षित एवं सम्मानित करने के लिए करते हैं।

2. हम लकी ड्रॉ के लिए ग्राहकों से किसी भी प्रकार का कोई शुल्क नहीं लेते हैं।

3. मात्र गहने खरीदने पर हमारे ग्राहक स्वयं इस लकी ड्रॉ के पात्र हो जाते हैं एवं अपना उपहार खुद ही निकाल सकते हैं।

हमारी नई पहल

**भारत किड्स प्री-स्कूल, रामपुर बाघेलान**

नर्सरी से 5वीं तक इंग्लिश मीडियम मो. 8889996582

Swastik Fortune City

धनतेरस एवं दीपावली के शुभ अवसर पर

अपने घर के सपने को साकार करें...



जयंत चौधरी ने प्रियंका गांधी से की लंबी गुफ्तगू

में ऐसी बात कह रही थी। मुझे ये बात पसंद नहीं आई। एक मसहूर दुखान से नाच में गया था। मैं जिनपर मैं पंच लखा इस्लामि ज्वेल को बाँट रहा था, मैं जिनका पड़ोस है कि उस प्रदेश में राष्ट्रीय लोक दल और समाजवादी पार्टी के कार्यकर्ता हैं, उस प्रदेश के आगामी चुनावों में दोनों दल एक साथ मिलकर चुनाव लड़ने जा रहे हैं, प्रियका गोपी को बीजेपी और सपा के विचारवादी लोग हैं। लेकिन बीजेपी घनदलवादी पद्धति के प्रति जो एक बेहतर उदाहरण है, वह सपा-भाजपा : मायावती

पतीने सधा व भाज्या पर दूधी चुनव  
आपणच है. कसलेने कसलेने भाज्या

जो अतीव गंभीर और घातक है। जिसकी  
जैसे रूढ़ि कर पड़ा कि सच मानना  
सच कर भावना की जड़ों को तोड़  
समझी लगी कि वास्तव में है जिसके  
में हिन्दू-मुस्लिम को खड़ा किया  
के के पीछे पड़ने के जैर कर रही है, इन रीति पद्धि को की  
मिलाने हुए- दूसरे पर अवलम्बित रूप है, इसी कारण साथ साथ  
व साथ में रहती है तो भावना कमजोर होती है।

**पेस**

बार के में ड

**स्यामर में कोरोना के  
मामलों में कमी के बाद  
दोनों काया खले**

पिता, 01 नवंबर (घात)

[illegible]

## फिर दिल्ली बॉर्डर पर तेज करेंगे आंदोलन

चेतावनी दी है। कल उन्होंने पुलिस प्रशासन को चेतावनी देते हुए कहा था कि अगर किसानों को जबरदस्ती हटाया गया तो हम सरकार के ऑफिसों को अनाज मंझे बना देंगे। ट्रिंक ने आरोप लगाया था कि पुलिस ने बीकानेर के साथ उनके

लेकिन दिल्ली पुलिस ने इन आरोपों

म.प्र.गृह निर्माण एवं  
अधोसंरचना विकास  
मार्गचित्र २०१०-२०१५

**आज का इतिहास**

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आपका पता: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 91

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

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

to Name & Address Of The Customer <b>TO,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil - Amanganj,</b> <b>District - Panna (M.P.)</b>		Report No	UES/TR/23-24/02244
		Lab Ref No	UES/23-24/W/04726-04731
		Date Of Sampling	22/05/2023
		Date Of Report	25/05/2023
<b>SAMPLE DETAILS</b>			
Sampling Location	Koni Mine	Customer Ref. No. & Date	Verbal Communication, Dated: 22/05/2023
Monitoring For	Ground Water Level Monitoring	Sample Condition At Receipt	Ok
Sample Collected By	Laboratory Chemist		

SR. NO.	LOCATION	LATITUDE	LONGITUDE	UNIT	RESULT (DEPTH/BELOW GROUND WATER LEVEL)
1	SIMARIYA VILLAGE (DUGWELL)	N 24°16'00.72"	E 79°53'47.64"	METER	3.98
2	PURAINA VILLAGE (BORE WELL)	N 24°19'00.00"	E 79°58'35.50"	METER	2.61
3	BHUPATPURA VILLAGE (BORE WELL)	N 24°18'40.94"	E 79°54'03.10"	METER	5.01
4	KONI VILLAGE (BORE WELL)	N 24°20'19.48"	E 79°54'34.55"	METER	4.15
5	UMRI VILLAGE (BORE WELL)	N 24°15'59.58"	E 79°55'53.82"	METER	1.32
6	HINAUTA VILLAGE (BORE WELL)	N 24°23'12.75"	E 80°00'52.40"	METER	2.96

Note: BGWL –Below Ground Water Level.

**REMARKS: RESULTS ARE AS ABOVE**

#### Terms & conditions

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

 25/05/23 <b>REVIEWED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----

TEST REPORT CODE: VGL/WL/23/08/31/01-36

TEST REPORT ISSUE DATE: 09.09.2023

## WATER LEVEL MONITORING REPORT

Name And Address of Customer : **M/s JAYKAYCEM (CENTRAL) LIMITED,**  
VILLAGE-HARDUWAKEN, TEHSIL- ,  
DISTT. - PANNA, (M.P)

Date of Monitoring : 27.08.2023

Monitoring Done By : VGL STAFF

## RESULT

SL.N	Location	Person Name	Location(dd°mm'ss'')		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
1	Puraina Village Borewell	Vishwa Nath Sahu	24.314232	79.975905	3.40
2	Tighara Village Borewell	Brij Mohan Singh	24.294028	79.963214	3.20
3	Tighara Village Borewell	Sandeep	24.294027	79.963213	3.14
4	Sanaura Village Dugwell	Siyaram Patel	24.418861	79.97881	4.00
5	Kamtana Village Dugwell	Govt.	24.384879	79.958523	4.50
6	Kamtana Village Dugwell	Govt.	24.383922	79.958833	10.10
7	Kamtana Village Dugwell	Govt.	24.386512	79.958723	9.40
8	Kamtana Village Borewell	Rajrendra Singh	24.383429	79.959408	6.60
9	Kamtana Village Borewell	Pawan Kumar Khare	24.383367	79.959541	12.20
10	Kamtana Village Borewell	Monoj Khampariya	24.383362	79.958243	10.5
11	Kamtana Village Borewell	Ramfal Dubey	24.383732	79.958729	7.50
12	Kamtana Village Borewell	ChandraBhansen	24.384587	79.958502	9.00
13	Singhaura Village Borewell	Govt. School	24.404519	79.935819	5.55
14	Sirshi patna Village Borewell	Govt.	24.388487	79.906193	5.70
15	Sirshi patna Village Dugwell	Govt.	24.387825	79.906517	4.60
16	Sunwani Kalan Borewell	Kanchhedi Lal Pathak	24.358643	79.888548	6.50
17	Sunwani Khurd Borewell	Govt.	24.361943	79.920049	5.90
18	Simra Khurd Borewell	Dhani Ram Dhai	24.351478	79.912537	13.50
19	Banbhai Borewell	Arvind	24.329875	79.899603	3.90
20	Maharajganj Borewell	Govt.	24.305336	79.894123	5.10

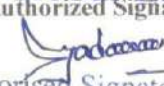


21	Karia Borewell	Govt.	24.263893	79.981769	3.40
22	Karia Dugwell	Ramchandra Tiwari	24.3636552	79.982056	3.0
23	Umri Village Borewell	Bijju Chaoudhari	24.26652	79.936928	1.90
24	Umri Village Dugwell	Govt.	24.266701	79.936928	1.10
25	Palohi village Borewell	Govt. School	24.265933	79.960298	2.30
26	Palohi village Dugwell	Darbari Rajak	24.265717	79.96011	2.05
27	Mahod Kalan Village Dugwell	Govt.	24.279306	80.017584	2.10
28	Mahod Kalan Village Borewell	Jitendra Singh	24.279386	80.017659	3.60
29	Bhupat Pura Borewell	Near Main Road	24.42591346	80.01900857	1.10
30	Simariya Village Borewell	Dangal Prasad Balmiki	24.28162146	79.89725613	3.40
31	Boda Village Dugwell	Govt. Near Temple	24.1741964	79.572004	2.75
32	Guda Village Borewell	Govt.	24.30541246	79.89403365	6.70
33	Guda Village Borewell	Charan Das Ray	24.32400349	79.88198007	6.40
34	Koni Village Borewell	Kallu Bhai	24.33056234	79.90068975	4.50
35	Koni village Borewell	Naresh patel	24.33057235	79.90068783	4.80
36	Maharajganj Borewell	Govt.	24.305336	79.894123	5.10

Not:-

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3. Any discrepancy in test result should be reported within 15 Days.
4. The above results are related to the tested sample only.

Review By:  
  
Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory  
  
Authorised Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/WL/23/08/31/37-86

TEST REPORT ISSUE DATE: 09.09.2023

## WATER LEVEL MONITORING REPORT

Name And Address of Customer : **M/s JAYKAYCEM (CENTRAL) LIMITED,**  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

Date of Monitoring : 28.08.2023

Monitoring Done By : VGL STAFF

## RESULT

SLN	Location	Person Name	Location(dd°mm'ss")		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
37	Bamhori Village Borewell	Ram Saran	24.33664463	80.0380059	4.40
38	Bamhori Village Dugwell	Govt.	24.31678	80.104644	1.70
39	Bamhori Village Borewell	Pyare Lal Vish karma	24.33536802	80.03276469	4.50
40	Bamhori Village borewell	Raj Kumar	24.33725971	80.03266198	5.30
41	Bamhori Village borewell	Raj Kumar	24.33684576	80.03796254	2.10
42	Jharkuwa Village Dugwell	Govt.	24.35447818	80.04507126	1.55
43	Jharkuwa Village Borewell	Durjna Prasad	24.35393729	80.04480821	1.10
44	Itauri Village Borewell	Ramshay	24.36419376	80.04177377	2.20
45	Itauri Village Borewell	Daj Narayan	24.36641386	80.04199907	2.50
46	Itauri Village Borewell	Govt.	24.39039877	80.03923784	4.70
47	Itauri Village Dug well	Ghanshyam Pandey	24.39055834	80.04011205	1.60
48	Amanganj Borewell	Kalpna Palace	24.4241417	80.0342961	2.80
49	Amanganj Borewell	Govt. Near Tigadda	24.41839209	80.0331857	2.40
50	Amanganj Borewell	Saduwa Chaoudhari	24.42437250	80.0332154	5.60
51	Hinauta Borewell	Govt. School	24.388563	80.01382649	3.90
52	Hinauta Dugwell	Govt.	24.38684007	80.01410258	2.60
53	Hinauta Dugwell	Brij Lal Kushwaha	24.3869625	80.01445089	2.40
54	Madaiyan Borewell	Amit Goswami	24.3870598	80.01344178	3.30
55	Madaiyan Dugwell	Govt.	24.37842479	80.01052868	3.00
56	Deora Village Dugwell	Govt.	24.33662268	79.96825672	1.10
57	Deora Village Dugwell	Govt.	24.33851758	79.97188548	1.20
58	Deora Village Dugwell	Govt.	24.34473355	79.97200211	2.20
59	Deora Village Dugwell	Govt.	24.3466679	79.9949703	1.30
60	Deora Village Dugwell	Govt.	24.34655777	79.97239277	1.50
61	Deora Village Borewell	Near Road	24.33232328	79.98093834	2.70
62	Deora Village Borewell	Govt. Near Panchayat	24.33838338	79.97177768	2.10
63	Deora Village Borewell	Brindavan Tiwari	24.33876411	79.97214955	2.15



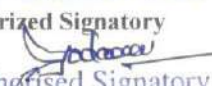
64	Deora Village Borewell	Salikram Tiwari	24.34175291	79.97189798	1.90
65	Deora Village Borewell	Govt. Near Tample	24.34152108	79.97203621	2.50
66	Deora Village Borewell	Kishun Dash	24.34478814	79.97198335	4.20
67	Deora Village Borewell	Ramcharan pyashi	24.34486148	79.97133575	4.60
68	Deora Village Borewell	Balram singh	24.34566888	79.97181327	5.5
69	Deora Village Borewell	Harnam singh	24.3322903	98.124707	5.8
70	Deora Village Borewell	Govt. Near Hanuman Tample	24.34567758	79.97174564	2.20
71	Deora Village Borewell	Ashish Pathak	24.3403033	79.9876304	2.60
72	Purwa Village Borewell	Khet	24.33599338	79.9635235	4.50
73	Purwa Village Borewell	Khet	24.33780336	79.95513308	4.80
74	Purwa Village Borewell	Shiv Kumar	24.3469887	79.9610619	5.30
75	Kakra Village Borewell	Govt.	24.35772144	79.94992569	2.10
76	Kakra Village Borewell	Vijay Lodhi	24.35553216	79.95064759	3.15
77	Kakra Village Borewell	Kali Charan Sen	24.35570297	79.94977787	2.20
78	Kakra Village Borewell	Ganga Ram	24.3821511	79.9099998	3.40
79	Kakra Village Borewell	Shiv Kishor Tiwari	24.35030255	79.95552624	1.70
80	Kakra Village Dugwell	Ashok Kumar Tiwari	24.33904669	79.97119546	4.35
81	Kakra Village Borewell	Neeraj Lodhi	24.352488	79.950509	1.50
82	Kakra Village Borewell	Rajendra Tiwari	24.355165	79.950488	3.40
83	Kakra Village Borewell	Vishnu Kant Sen	24.356175	79.951568	2.90
84	Kakra Village Borewell	Prem Das Kushwaha	24.355189	79.951453	3.90
85	Kakra Village Borewell	Battu lal	24.3524422	79.9095892	5.90
86	Kakra Village Dugwell	Govt.	24.356529	79.952143	3.80

Page 1 of 1

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Review By:  
  
Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory  
  
Authorized Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/WL/23/08/31/87-103

TEST REPORT ISSUE DATE: 09.09.2023

## WATER LEVEL MONITORING REPORT

Name And Address of Customer : **M/s JAYKAYCEM (CENTRAL) LIMITED,**  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P.)  
Date of Monitoring : 29.08.2023  
Monitoring Done By : VGL STAFF

### RESULT

SL.N	Location	Person Name	Location(dd°mm'ss'')		Water Level (Below Ground Level)- Meter
			Latitude (N)	Longitude (E)	
87	Bilha Village borewell	Rohit Tiwari	24.383448	79.999435	1.85
88	Jhagra Village Borewell	Dwarika Patel	24.39795765	79.98435206	3.20
89	Dharampura Village Dug well	Govt.	24.39406932	79.98249481	4.35
90	Ramanpura Village Borewell	Cheta Chaoudhari	24.37941909	79.98398717	1.60
91	Saptaiya Village Borewell	Govt.	24.35658	80.053129	4.50
92	Saptaiya Village Borewell	Tunra Prasad Harwar	24.35787906	80.0650542	3.30
93	Judi Village Borewell	Bajrang Dairy	24.35797237	79.98952222	1.10
94	Judi Village Dug well	Keshav Pratap Singh	24.35762556	79.9909353	2.85
95	Judi Village Borewell	Prem Narayan Singh Tomer	24.35843427	79.99083729	2.70
96	Judi Village Borewell	Kripal Singh Chandel	24.35882056	79.99086533	1.90
97	Judi Village Borewell	Sahab Singh Chandel	24.35866387	79.99125347	1.95
98	Judi Village Borewell	Hiralal Kushwaha	24.3582755	79.99140577	1.40
99	Judi Village Borewell	Ram Dayal Kushwaha	24.35854074	79.99219464	1.10
100	Pgara village Borewell	Govt. Near School	24.35196983	79.99827417	4.25
101	Pgara village Dugwell	Govt.	24.35235402	79.99988624	1.50
102	Pgara village Dugwell	Sukhdev Dubey	24.35248791	80.00010214	1.30
103	Pgara village Borewell	Mohammad Khan	24.35103883	80.00003505	2.50

Page 1 of 1

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Technical Manager

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Lab In-charge





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

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

Name & Address Of The Customer		Report No.	UES/TR/23-24/02077	
To, M/s J K Cement (Central) Ltd. Village Harduaken, Tehsil - Amanganj, District - Panna (M.P.)		Lab Ref No.	UES/23-24/W/04477	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
SAMPLE DETAILS				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023.			
Customer Sample Id / Sampling Location	Koni Semariya Mine Koni Mine (Core Zone) Bore Well	Latitude	24°31'51.15"N	
		Longitude	79°94'39.44"E	
Sample Type	Ground Water	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr.x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. each	

Rep. No. 02077

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.26
2	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	242
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	403.6
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.81
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	148
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	200	600	162
10	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	44.89
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	12.15
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	7.61
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.71
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	15.92
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	31.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	34.95
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.12

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





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Rep. No. 02077

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
19	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.
20	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025(Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025(Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025(Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025(Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025(Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025:(Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025(Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025(Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025(Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025(Part-53)	0.3	No Relaxation	0.12
31	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml sample		Absent

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

### REMARKS: RESULTS ARE AS ABOVE

#### Terms & conditions

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

*RB*  
20/05/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Subhajeet*

AUTHORIZED SIGNATORY

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





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

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Name & Address Of The Customer		Report No.	UES/TR/23-24/02080	
<b>To,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil - Amanganj,</b> <b>District - Panna (M.P.)</b>		Lab Ref No.	UES/23-24/W/04480	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
<b>SAMPLE DETAILS</b>				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023.			
Customer Sample Id / Sampling Location	Semariya Village Buffer Zone Govt. Bore Well near House Of Rajendra Kumar Gupta	Latitude	24°15'52.37"N	
		Longitude	79°53'45.02"E	
Sample Type	Ground Water	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr.x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. each	

Rep. No. 02080

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	pH Value at 25.3°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.27
2	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
3	Taste	-	IS 3025 (part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025 (part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	257
6	Conductivity	µS/Cm	IS 3025: (Part-14)	-	-	428.6
7	Turbidity	NTU	IS 3025: (Part-10)	1	5	0.57
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025: (Part-23)	200	600	148
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025: (Part-21)	200	600	172
10	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	38.48
11	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	18.47
12	Sodium	mg/l	IS 3025: (Part-45)	-	-	7.40
13	Potassium	mg/l	IS 3025: (Part-45)	-	-	1.27
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025 (part-34)	45	No Relaxation	16.72
15	Total Phosphate	mg/L	IS:3025: (Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	27.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025: (Part-24)	200	400	33.48
18	Fluoride (as F)	mg/L	IS 3025 (part-60)	1	1.5	0.07





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Rep. No. 02080

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
19	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.
20	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025(Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025(Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025(Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025(Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025(Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025:(Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025(Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025(Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025(Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025(Part-53)	0.3	No Relaxation	0.13
31	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml sample		Absent

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

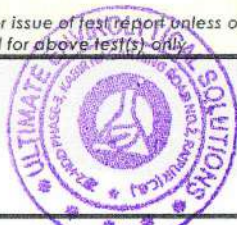
### REMARKS: RESULTS ARE AS ABOVE

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- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
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*R. Bell*  
20/05/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Subhajeet*

AUTHORIZED SIGNATORY

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





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

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

<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil - Amanganj,</b> <b>District - Panna (M.P.)</b>		Report No.	UES/TR/23-24/02081	
		Lab Ref No.	UES/23-24/W/04481	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
<b>SAMPLE DETAILS</b>				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023.			
Customer Sample Id / Sampling Location	Tighara Village Buffer Zone Govt. Hand Pump near Govt. School	Latitude	24°17'36.40"N	
		Longitude	79°57'51.82"E	
Sample Type	Ground Water	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr.x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. each	

Rep. No. 02081

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.68
2	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	287
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	478.6
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.72
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	172
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	200	600	184
10	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	60.12
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	8.26
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	7.28
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.41
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	15.61
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	34.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	36.48
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.15
19	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.





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Rep. No. 02081

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
20	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025 (Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025 (Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025 (Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025 (Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025 (Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025: (Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025 (Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025 (Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025 (Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025 (Part-53)	0.3	No Relaxation	0.11
31	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml sample		Absent

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

### REMARKS: RESULTS ARE AS ABOVE

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- This is for information as the party has asked for above test(s) only.

 20/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
-----------------------------	--	--

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





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<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil - Amanganj,</b> <b>District - Panna (M.P.)</b>		Report No.	UES/TR/23-24/02082	
		Lab Ref No.	UES/23-24/W/04482	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
<b>SAMPLE DETAILS</b>				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023.			
Customer Sample Id / Sampling Location	SaptaiVillage Buffer Zone (Govt. Hand Pump near Brijesh Sharma House)	Latitude	24°20'30.63"N	
		Longitude	79°58'14.10"E	
Sample Type	Ground Water	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr.X2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. each	

Rep. No. 02082

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.54
2	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	293
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	488.6
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.47
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	152
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	200	600	182
10	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	43.29
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	17.98
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	6.90
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.29
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	22.96
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	27.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	50.63
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.12
19	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.





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Rep. No. 02082

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
20	Phenolic Compound (as $C_6H_5OH$ )	mg/L	IS 3025 (Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025 (Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025 (Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025 (Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025 (Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025: (Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025 (Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025 (Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025 (Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025 (Part-53)	0.3	No Relaxation	0.15
31	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml sample		Absent

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

### REMARKS: RESULTS ARE AS ABOVE

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- This is for information as the party has asked for above test(s) only.

 20/05/23 REVIEWED BY	 	For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
-----------------------------	------	--

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

TEST REPORT CODE: VGL/W/23/08/31/014

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART - A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P.)

**Location of Sample** : **SIMARIYA VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 29.08.2023 12:19 PM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 014

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

## TEST RESULTS

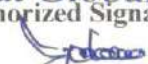
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.70	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.8	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	270	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	501	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	208	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	69.9	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	8.2	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	19.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	48.2	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-

Page 1 of 3

### Note:

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The above Results are related to the tested sample only.

**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory  
  
Authorized Signatory  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/014

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3- B	6.5	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	54.0	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.28	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.04	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	μS/cm	No relaxation	No relaxation

Page 2 of 3

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3. Any discrepancy in test-result should be reported within 15Days.
4. The above Results are related to the tested sample only.

**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorised Signatory**  
**D. K. Yadav**  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/014

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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4. The above Results are related to the tested sample only.

**Review By:**



Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory

Authorized Signatory

Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/018

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P.)

**Location of Sample** : SUNWANI KALAN VILLAGE

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 29.08.2023 03:45 PM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 018

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

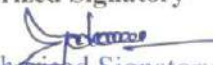
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.46	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.5	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	112	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	514	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	234	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	54.8	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	23.6	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	22.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	58.8	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	11.0	mg/L	-	-

Page 1 of 3

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- The above Results are related to the tested sample only.

**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/018

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO <sub>3</sub> -B	8.4	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	43.9	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.20	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.01	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	μS/cm	No relaxation	No relaxation

Page 2 of 3

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**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorized Signatory**  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/018

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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4. The above Results are related to the tested sample only.

**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory  
  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/019

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART – A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : MAHARAJGANJ VILLAGE

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 29.08.2023 04:30 PM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 019

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

## TEST RESULTS

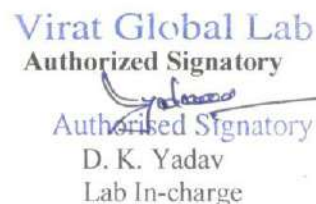
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.37	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.4	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	148	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	507	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	218	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	73.6	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	8.3	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	18.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	56.9	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	13.0	mg/L	-	-

Page 1 of 3

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- The above Results are related to the tested sample only.

**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/019

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3-B	9.3	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	55.7	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.26	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.00	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	μS/cm	No relaxation	No relaxation

Page 2 of 3

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**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorized Signatory**  
**D. K. Yadav**  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/019

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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4. The above Results are related to the tested sample only.

**Review By:**

  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**

  
Authorized Signatory

Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/020

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART – A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : TIGHARA VILLAGE

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 29.08.2023 05:30 PM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 020

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

## TEST RESULTS

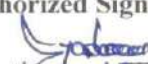
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.68	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.0	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	227	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	481	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	168	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	51.3	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	9.7	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	27.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	46.5	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-

Page 1 of 3

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- The above Results are related to the tested sample only.

**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorised Signatory**  
**D. K. Yadav**  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/020

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

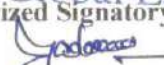
15.	Nitrate	APHA 4500-NO3- B	10.5	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	41.0	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.17	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.05	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	µS/cm	No relaxation	No relaxation

Page 2 of 3

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**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorised Signatory**  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/020

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

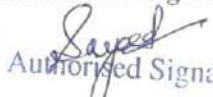
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4. The above Results are related to the tested sample only.

**Review By:**

  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory

  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/021

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART – A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P.)

**Location of Sample** : KHOLKARHIYA VILLAGE

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 29.08.2023 06:15 PM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 021

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

## TEST RESULTS

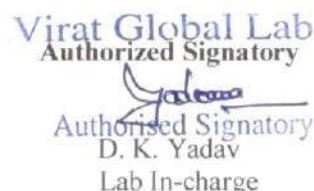
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.81	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.3	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	236	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	493	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	152	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	66.7	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	3.5	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	24.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	59.2	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	12.0	mg/L	-	-

Page 1 of 3

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- The above Results are related to the tested sample only.

**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory  
  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/021

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO <sub>3</sub> -B	8.7	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	56.7	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.21	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.04	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	µS/cm	No relaxation	No relaxation

Page 2 of 3

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3. Any discrepancy in test result should be reported within 15 Days.
4. The above Results are related to the tested sample only.

**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorised Signatory**  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/021

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

**Note:**

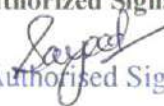
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3. Any discrepancy in test result should be reported within 3Days.
4. The above Results are related to the tested sample only.

**Review By:**



Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory

  
Authorized Signatory

Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/022

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART – A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P.)

**Location of Sample** : **GARHI KARHIYA VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 30.08.2023 10:45 AM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 022

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

### TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.32	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.7	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	220	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	514	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	206	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	73.7	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	5.6	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	20.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	55.6	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	14.0	mg/L	-	-

Page 1 of 3

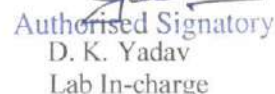
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- The above Results are related to the tested sample only.

Review By:

  
Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory

  
Authorized Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/022

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO <sub>3</sub> -B	10.4	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	41.9	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.25	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.00	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	μS/cm	No relaxation	No relaxation

Page 2 of 3

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4. The above Results are related to the tested sample only.

**Review By:**

*(Signature)*  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**

*(Signature)*  
Authorised Signatory  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/022

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

**Note:**

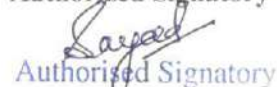
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4. The above Results are related to the tested sample only.

**Review By:**



Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory



Authorised Signatory

Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/023

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART – A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : KHAMAGAUUR VILLAGE

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 30.08.2023 11:40 AM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 023

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A

## TEST RESULTS

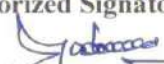
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.58	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.9	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	216	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	507	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	218	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	66.4	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	12.7	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	19.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	54.6	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	12.0	mg/L	-	-

Page 1 of 3

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- The above Results are related to the tested sample only.

**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

**Virat Global Lab**  
Authorized Signatory  
  
Authorized Signatory  
**D. K. Yadav**  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/023

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO <sub>3</sub> -B	7.5	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	22.0	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.27	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.09	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	μS/cm	No relaxation	No relaxation

Page 2 of 3

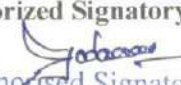
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4. The above Results are related to the tested sample only.

**Review By:**

  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**

  
Authorized Signatory  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/023

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

**Note:**


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**Review By:**



Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory



Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/23/08/31/024

TEST REPORT ISSUE DATE: 09.09.2023

## TEST REPORT (WATER) PART – A (CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : **BODA VILLAGE**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 30.08.2023 12:26 PM

**Sample Collected by** : ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 31.5 °C & 55%

**Sample Packing** : SEALED

**Sample Id No.** : 024

**Laboratory Sample Receiving Date** : 31.08.2023

**Duration of Sample Analysis** : 31.08.2023 TO 09.09.2023

**Method of Sampling** : APHA 1060B & 9060A


## TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25 °C	APHA 4500H+A+B	7.37	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.4	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	194	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	481	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	168	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	57.4	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	6.0	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	27.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	BDL	mg/L	-	-
13.	Sulfate	APHA 4500-PD	46.9	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	8.0	mg/L	-	-

Page 1 of 3

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**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

**Virat Global Lab**  
**Authorized Signatory**  
  
**Authorised Signatory**  
**Dr. K. Yadav**  
Lab In-charge

TEST REPORT CODE: VGL/W/23/08/31/024

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**TEST RESULTS**

15.	Nitrate	APHA 4500-NO3-B	7.0	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	22.0	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 FeB	0.29	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	1.06	mg/L	1.0	1.5
26.	Hexavalent Chromium	APHA 3500 B	ND	mg/L	0.001	No relaxation
27.	Electrical Conductivity	APHA 2510 B	472	μS/cm	No relaxation	No relaxation

Page 2 of 3

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**Review By:**

*(Signature)*  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory

*(Signature)*  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/23/08/31/024

TEST REPORT ISSUE DATE: 09.09.2023

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	

Page 3 of 3

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**Review By:**

  
Dr. Ashok Kumar  
Technical Manager

**Virat Global Lab**  
Authorized Signatory

  
Authorized Signatory

Sayeed Ahmad  
Quality Manager



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

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

<b>To,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil - Amanganj,</b> <b>District - Panna (M.P.)</b>		Report No.	UES/TR/23-24/02087	
		Lab Ref No.	UES/23-24/W/04487	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
SAMPLE DETAILS				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023			
Customer Sample Id/ Sampling Location	Sonar River	Latitude	24°24'44.04"	
		Longitude	79°55'21.83"	
Sample Type	SurfaceWater	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr.x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. Each	

Rep. No. 02087

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	8.5	8.5	8.5	8.5	8.5	7.39
2	Taste	-	IS 3025(Part-8)	NONE	-	-	-	-	Agreeable
3	Odour	-	IS 3025(Part-5)	Unobj	-	-	-	-	Agreeable
4	Colour	Hazen	IS:3025:(Part-4)	10	300	300	-	-	<1
5	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	-	1000	2250	473.6
6	Dissolved Oxygen (as DO)	mg/L	APHA, (23rd Edition), 4500 -OB, 2017,	6	5	4	4	-	7.4
7	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44):1993 RA 2014	2	3	3	-	-	4.3
8	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	-	1500	-	2100	284
9	Oil and Grease	mg/L	IS:3025:(Part-39)	-	-	0.1	0.1	-	Absent
10	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	300	-	-	-	-	134
11	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	-	600	-	600	42.9
12	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	400	-	400	-	1000	14.06
13	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(Part-34)	20	-	50	-	-	1.34
14	Free Ammonia (as NH <sub>3</sub> -N)	mg/L	APHA (23rd Edition), 4500-NH3F, 2017	-	-	-	6	-	N.D.
15	Fluoride (as F)	mg/L	IS 3025(Part-60)	1.5	1.5	1.5	-	-	0.29
16	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	80.10	-	-	-	-	40.08
17	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	24.28	-	-	-	-	8.26





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

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

Rep. No. 02087

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
18	Copper (as Cu)	mg/L	IS 3025(Part-42)	1.5	-	1.5	-	-	N.D.
19	Iron (as Fe)	mg/L	IS 3025(Part-53)	0.3	-	50	-	-	0.15
20	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.5	-	-	-	-	N.D.
21	Zinc (as Zn)	mg/L	IS 3025(Part-49)	15	-	15	-	-	N.D.
22	Boron (as B)	mg/L	IS 3025: (Part-57)	-	-	-	-	2	N.D.
23	Arsenic (as As)	mg/L	IS 3025(Part-37)	0.05	0.2	0.2	-	-	N.D.
24	Mercury (as Hg)	mg/L	IS 3025(Part-48)	0.001	-	-	-	-	N.D.
25	Lead (as Pb)	mg/L	IS 3025(Part-47)	0.1	-	0.1	-	-	N.D.
26	Cadmium (as Cd)	mg/L	IS 3025(Part-41)	0.01	-	0.01	-	-	N.D.
27	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	0.05	0.05	-	-	N.D.
28	Selenium (as Se)	mg/L	IS 3025(Part-56)	0.01	-	0.05	-	-	N.D.
29	Cyanide (as CN)	mg/L	IS:3025: (Part-27)	0.05	0.05	0.05	-	-	N.D.
30	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025(Part-43)	0.002	0.005	0.005	-	-	N.D.
31	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.2	1	1	-	-	N.D.
32	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22nd Ed.2012, 6440-6-93	0.2-	-	-	-	-	N.D.
33	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	50	500	5000	-	-	Absent

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

### REMARKS: RESULTS ARE AS ABOVE

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*Rev*  
20/05/23

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Subhajeet*

AUTHORIZED SIGNATORY

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





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

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

<b>To,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil – Amanganj,</b> <b>District – Panna (M.P.)</b>		Report No.	UES/TR/23-24/02088	
		Lab Ref No.	UES/23-24/W/04488	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
SAMPLE DETAILS				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023			
Customer Sample Id/ Sampling Location	Ken River	Latitude	24°17' 56.52"	
		Longitude	79°57' 55.16"	
Sample Type	SurfaceWater	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle(Approx. 1 Ltr.x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr.Each	

Rep. No. 02088

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
11	pH Value at 25.3°C	-	IS:3025:(Part-11)	8.5	8.5	8.5	8.5	8.5	7.96
2	Taste	-	IS 3025(Part-8)	NONE	-	-	-	-	Agreeable
3	Odour	-	IS 3025(Part-5)	Unobj	-	-	-	-	Agreeable
4	Colour	Hazen	IS:3025:(Part-4)	10	300	300	-	-	1
5	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	-	1000	2250	491.9
6	Dissolved Oxygen (as DO)	mg/L	APHA, (23rd Edition), 4500 -OB, 2017,	6	5	4	4	-	7.2
7	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44):1993 RA 2014	2	3	3	-	-	4.1
8	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	-	1500	-	2100	295
9	Oil and Grease	mg/L	IS:3025:(Part-39)	-	-	0.1	0.1	-	Absent
10	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	300	-	-	-	-	186
11	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	-	600	-	600	44.9
12	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	400	-	400	-	1000	15.11
13	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(Part-34)	20	-	50	-	-	1.45
14	Free Ammonia (as NH <sub>3</sub> -N)	mg/L	APHA (23rd Edition), 4500-NH <sub>3</sub> F, 2017	-	-	-	6	-	N.D.
15	Fluoride (as F)	mg/L	IS 3025(Part-60)	1.5	1.5	1.5	-	-	0.27
16	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	80.10	-	-	-	-	56.11
17	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	24.28	-	-	-	-	11.18





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Rep. No. 02088

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
18	Copper (as Cu)	mg/L	IS 3025(Part-42)	15	-	15	-	-	N.D.
19	Iron (as Fe)	mg/L	IS 3025(Part-53)	0.3	-	50	-	-	0.18
20	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.5	-	-	-	-	N.D.
21	Zinc (as Zn)	mg/L	IS 3025(Part-49)	15	-	15	-	-	N.D.
22	Boron (as B)	mg/L	IS 3025:(Part-57)	-	-	-	-	2	N.D.
23	Arsenic (as As)	mg/L	IS 3025(Part-37)	0.05	0.2	0.2	-	-	N.D.
24	Mercury (as Hg)	mg/L	IS 3025(Part-48)	0.001	-	-	-	-	N.D.
25	Lead (as Pb)	mg/L	IS 3025(Part-47)	0.1	-	0.1	-	-	N.D.
26	Cadmium (as Cd)	mg/L	IS 3025(Part-41)	0.01	-	0.01	-	-	N.D.
27	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	0.05	0.05	-	-	N.D.
28	Selenium (as Se)	mg/L	IS 3025(Part-56)	0.01	-	0.05	-	-	N.D.
29	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05	0.05	0.05	-	-	N.D.
30	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025(Part-43)	0.002	0.005	0.005	-	-	N.D.
31	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.2	1	1	-	-	N.D.
32	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22nd Ed.2012, 6440-6-93	0.2	-	-	-	-	N.D.
33	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	50	500	5000	-	-	Absent

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

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*[Signature]*

20/05/23

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*[Signature]*

AUTHORIZED SIGNATORY

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





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

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

Name & Address Of The Customer		Report No.	UES/TR/23-24/02089	
<b>To,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil – Amanganj,</b> <b>District – Panna (M.P.)</b>		Lab Ref No.	UES/23-24/W/04489	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
SAMPLE DETAILS				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023			
Customer Sample Id/ Sampling Location	Pond Near Deora Village	Latitude	24°20'19.79"	
		Longitude	79°58'23.22"	
Sample Type	SurfaceWater	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr. x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. Each	

Rep. No. 02089

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	8.5	8.5	8.5	8.5	8.5	7.45
2	Taste	-	IS 3025(Part-8)	NONE	-	-	-	-	Agreeable
3	Odour	-	IS 3025(Part-5)	Unobj	-	-	-	-	Agreeable
4	Colour	Hazen	IS:3025:(Part-4)	10	300	300	-	-	<1
5	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	-	1000	2250	453.7
6	Dissolved Oxygen (as DO)	mg/L	APHA, (23rd Edition), 4500 -OB, 2017,	6	5	4	4	-	6.8
7	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44):1993 RA 2014	2	3	3	-	-	4.1
8	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	-	1500	-	2100	272
9	Oil and Grease	mg/L	IS:3025:(Part-39)	-	-	0.1	0.1	-	Absent
10	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	300	-	-	-	-	184
11	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	-	600	-	600	26.9
12	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	400	-	400	-	1000	23.94
13	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(Part-34)	20	-	50	-	-	9.26
14	Free Ammonia (as NH <sub>3</sub> -N)	mg/L	APHA (23rd Edition), 4500-NH3F, 2017	-	-	-	6	-	N.D.
15	Fluoride (as F)	mg/L	IS 3025(Part-60)	1.5	1.5	1.5	-	-	0.22
16	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	80.10	-	-	-	-	50.51
17	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	24.28	-	-	-	-	14.09





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Rep. No. 02089

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
18	Copper (as Cu)	mg/L	IS 3025 (Part-42)	1.5	-	1.5	-	-	N.D.
19	Iron (as Fe)	mg/L	IS 3025 (Part-53)	0.3	-	50	-	-	0.17
20	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.5	-	-	-	-	N.D.
21	Zinc (as Zn)	mg/L	IS 3025 (Part-49)	15	-	15	-	-	N.D.
22	Boron (as B)	mg/L	IS 3025: (Part-57)	-	-	-	-	2	N.D.
23	Arsenic (as As)	mg/L	IS 3025 (Part-37)	0.05	0.2	0.2	-	-	N.D.
24	Mercury (as Hg)	mg/L	IS 3025 (Part-48)	0.001	-	-	-	-	N.D.
25	Lead (as Pb)	mg/L	IS 3025 (Part-47)	0.1	-	0.1	-	-	N.D.
26	Cadmium (as Cd)	mg/L	IS 3025 (Part-41)	0.01	-	0.01	-	-	N.D.
27	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	0.05	0.05	-	-	N.D.
28	Selenium (as Se)	mg/L	IS 3025 (Part-56)	0.01	-	0.05	-	-	N.D.
29	Cyanide (as CN)	mg/L	IS:3025: (Part-27)	0.05	0.05	0.05	-	-	N.D.
30	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025 (Part-43)	0.002	0.005	0.005	-	-	N.D.
31	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.2	1	1	-	-	N.D.
32	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22nd Ed.2012, 6440-6-93	0.2	-	-	-	-	N.D.
33	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	50	500	5000	-	-	Absent

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

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*Rekha*  
20/05/23

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Subhajeet*

AUTHORIZED SIGNATORY

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





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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address Of The Customer		Report No.	UES/TR/23-24/02090	
To, M/s Jaykaycem (Central) Ltd. Village Harduaken, Tehsil – Amanganj, District – Panna (M.P.)		Lab Ref No.	UES/23-24/W/04490	
		Date of Sampling	15/05/2023	
		Date of Receipt	16/05/2023	
		Date of Report	20/05/2023	
		Date of Analysis	Start: 16/05/2023	End: 20/05/2023
SAMPLE DETAILS				
Customer Ref. No. & Date	Verbal Communication, Dated: 15/05/2023			
Customer Sample Id/ Sampling Location	Pond Near Puraina Village	Latitude	24°19'01.25"	
		Longitude	79°58'34.23"	
Sample Type	Surface Water	Sample Condition At Receipt	Ok	
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr. x2)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx 5 Ltr. Each	

Rep. No. 02090

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	8.5	8.5	8.5	8.5	8.5	7.53
2	Taste	-	IS 3025(Part-8)	NONE	-	-	-	-	Agreeable
3	Odour	-	IS 3025(Part-5)	Unobj	-	-	-	-	Agreeable
4	Colour	Hazen	IS:3025:(Part-4)	10	300	300	-	-	<1
5	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	-	1000	2250	440.4
6	Dissolved Oxygen (as DO)	mg/L	APHA, (23rd Edition), 4500 -OB, 2017,	6	5	4	4	-	6.5
7	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44):1993 RA 2014	2	3	3	-	-	4.0
8	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	-	1500	-	2100	264
9	Oil and Grease	mg/L	IS:3025:(Part-39)	-	-	0.1	0.1	-	Absent
10	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	300	-	-	-	-	178
11	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	-	600	-	600	22.9
12	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	400	-	400	-	1000	23.27
13	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(Part-34)	20	-	50	-	-	8.95
14	Free Ammonia (as NH <sub>3</sub> -N)	mg/L	APHA (23rd Edition), 4500-NH <sub>3</sub> F, 2017	-	-	-	6	-	N.D.
15	Fluoride (as F)	mg/L	IS 3025(Part-60)	1.5	1.5	1.5	-	-	0.19
16	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	80.10	-	-	-	-	48.89
17	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	24.28	-	-	-	-	13.61





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Rep. No. 02090

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS : 2296					RESULT
				A	B	C	D	E	
18	Copper (as Cu)	mg/L	IS 3025(Part-42)	15	-	15	-	-	N.D.
19	Iron (as Fe)	mg/L	IS 3025(Part-53)	0.3	-	50	-	-	0.14
20	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.5	-	-	-	-	N.D.
21	Zinc (as Zn)	mg/L	IS 3025(Part-49)	15	-	15	-	-	N.D.
22	Boron (as B)	mg/L	IS 3025:(Part-57)	-	-	-	-	2	N.D.
23	Arsenic (as As)	mg/L	IS 3025(Part-37)	0.05	0.2	0.2	-	-	N.D.
24	Mercury (as Hg)	mg/L	IS 3025(Part-48)	0.001	-	-	-	-	N.D.
25	Lead (as Pb)	mg/L	IS 3025(Part-47)	0.1	-	0.1	-	-	N.D.
26	Cadmium (as Cd)	mg/L	IS 3025(Part-41)	0.01	-	0.01	-	-	N.D.
27	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	0.05	0.05	-	-	N.D.
28	Selenium (as Se)	mg/L	IS 3025(Part-56)	0.01	-	0.05	-	-	N.D.
29	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05	0.05	0.05	-	-	N.D.
30	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025(Part-43)	0.002	0.005	0.005	-	-	N.D.
31	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.2	1	1	-	-	N.D.
32	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22nd Ed.2012, 6440-6-93	0.2	-	-	-	-	N.D.
33	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	50	500	5000	-	-	Absent

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

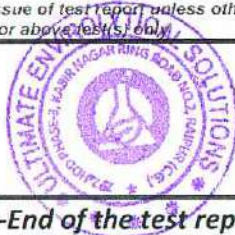
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*Rohit*  
20/05/23

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Subhajeet*

AUTHORIZED SIGNATORY

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





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

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to Name & Address Of The Customer		Report No	UES/TR/22-23/09760
TO, M/s Jaykaycem (Central) Ltd. Village Harduaken, Tehsil - Amanganj, District - Panna (M.P.)		Lab Ref No	UES/22-23/W/018646-018655
		Date Of Sampling	18/09/2022 - 20/09/2022
		Date Of Report	24/09/2022
<b>SAMPLE DETAILS</b>			
Sampling Location	AS PER DESCRIBED BELOW	Customer Ref. No. & Date	Verbal Communication, Dated: 18/09/2022
Monitoring For	Ground Water Level Monitoring	Sample Condition At Receipt	Ok
Sample Collected By	Laboratory Chemist		

SR. NO.	LOCATION	LATITUDE	LONGITUDE	UNIT	RESULT (DEPTH/BELOW GROUND WATER LEVEL)
1	SIMARIYA VILLAGE (DUGWELL)	N 24°16'00.72"	E 79°53'47.64"	METER	4.051
2	PAGRA VILLAGE (DUGWELL)	N 24°21'08.72"	E 80°00'00.08"	METER	1.076
3	PURAINA VILLAGE (BORE WELL)	N 24°19'00.00"	E 79°58'35.50"	METER	2.635
4	DEVRA VILLAGE (DUGWELL)	N 24°22'20.93"	E 79°58'15.98"	METER	1.559
5	KAKRA VILLAGE (DUGWELL)	N 24°21'18.40"	E 79°57'01.37"	METER	3.076
6	KAMTANA VILLAGE (DUGWELL)	N 24°22'49.45"	E 79°57'32.86"	METER	1.000
7	BHUPATPURA VILLAGE (BORE WELL)	N 24°18'40.94"	E 79°54'03.10"	METER	5.025
8	KONI VILLAGE (BORE WELL)	N 24°20'19.48"	E 79°54'34.55"	METER	4.330
9	HINAUTA VILLAGE (BORE WELL)	N 24°23'12.75"	E 80°00'52.40"	METER	3.025
10	UMRI VILLAGE (BORE WELL)	N 24°15'59.58"	E 79°55'53.82"	METER	1.381

Note: BGWL -Below Ground Water Level.

REMARKS: RESULTS ARE AS ABOVE

**Terms & conditions**

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

 24/09/22  REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS    AUTHORIZED SIGNATORY
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-----End of the test report-----





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

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

to Name & Address Of The Customer <b>TO,</b> <b>M/s Jaykaycem (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil - Amanganj,</b> <b>District - Panna (M.P.)</b>		Report No	UES/TR/22-23/09761
		Lab Ref No	UES/22-23/W/018656-018658
		Date Of Sampling	14/01/2023
		Date Of Report	18/01/2023
<b>SAMPLE DETAILS</b>			
Sampling Location	AS PER DESCRIBED BELOW	Customer Ref. No. & Date	Verbal Communication, Dated: 14/01/2023
Monitoring For	Ground Water Level Monitoring	Sample Condition At Receipt	Ok
Sample Collected By	Laboratory Chemist		

SR. NO.	LOCATION	LATITUDE	LONGITUDE	UNIT	RESULT (DEPTH/BELOW GROUND WATER LEVEL)
1	PAGRA VILLAGE (DUGWELL)	N 24°21' 08.34"	E 79°59' 59.59"	METER	3.381
2	KAKRA VILLAGE (BOREWELL)	N 24°21' 14.25"	E 79°57' 04.29"	METER	17.559
3	KAMTANA VILLAGE (BORE WELL)	N 24°23' 00.23"	E 79°57' 17.29"	METER	26.610

Note: BGWL -Below Ground Water Level.

**REMARKS: RESULTS ARE AS ABOVE**

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 18/01/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----

## TEST REPORT (SURFACE WATER) (PART A – CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : SURFACE RUNOFF WATER IN KONI MINES

**Sample Description** : SURFACE WATER

**Date & Time of Sampling** : 05.09.2023 2:15 PM

**Sample Collected by** : VGL STAFF

**Weather Condition** : CLEAR

**Laboratory Sample Receiving Date** : 07.09.2023

**Duration of Sample Analysis** : 07.09.2023 TO 13.09.2023

**Method of Sampling** : APHA 1060B & 9060A

### TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class E)
1.	pH	APHA 4500-H+	7.62	-	6.5 - 8.5
2.	Colour	APHA 2120-B	50.0	Hazen	-
3.	Turbidity	APHA 2130-A+B	1.2	NTU	-
4.	Total Dissolved Solids, (TDS)	APHA 2540-C	490	mg/L	2100
5.	Total Suspended Solid as TSS	APHA (2540-D)	25.4	mg/L	-
6.	Alkalinity	APHA 2320-A+B	188	mg/L	-
7.	Total Hardness	APHA 2340 A+C	164	mg/L	-
8.	Dissolved Oxygen (DO)	APHA 4500:(O)-C	5.6	mg/L	-
9.	Biological Oxygen Demand (BOD3days27°C)	IS: 3025 (Part-44)	2.8	mg/L	-
10.	Chemical Oxygen Demand as COD	APHA (5220-B)	22.5	mg/L	-
11.	Chloride, (Cl)	APHA 4500:(Cl)-B	48.0	mg/L	-
12.	Fluoride, (F)	APHA 4500:(F)-D	0.50	mg/L	-
13.	Sulphate, (SO <sub>4</sub> )	APHA 4500:(SO <sub>4</sub> )-E	45.2	mg/L	1000
14.	Phenolic Compound, (C <sub>6</sub> H <sub>5</sub> OH)	APHA 5530-C	<0.01	mg/L	-
15.	Oil & Grease, (O & G)	APHA 5520-D	< 2.0	mg/L	-
16.	Nitrate, (NO <sub>3</sub> )	APHA 4500:(NO <sub>3</sub> )-B	7.8	mg/L	-
17.	Arsenic, (As)	APHA 3120B	<0.01	mg/L	-
18.	Copper, (Cu)	APHA 3120B	<0.01	mg/L	-
19.	Iron, (Fe)	APHA-3120B	0.28	mg/L	-
20.	Zinc, (Zn)	APHA-3120B	<0.05	mg/L	-
21.	Cadmium, (Cd)	APHA 3120B	<0.01	mg/L	-
22.	Chromium, (Cr+6)	APHA 3500:(Cr)-B	<0.01	mg/L	-
23.	Lead, (Pb)	APHA-3120B	<0.01	mg/L	-
24.	Mercury (Hg)	APHA-3112A+B	<0.01	mg/L	-

Page 1 of 2

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- Any discrepancy in test result should be reported within 15Days.
- The above Results are related to the tested sample only.

#### Review By:

Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory

Authorised Signatory  
D. K. Yadav  
Lab In-charge



**TEST REPORT (SURFACE WATER)**  
**(PART A – BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
25.	Total Coliform Count	APHA 9221 B	350	MPN/100 ml	-
26.	Faecal Coliform	APHA 9221 E	110.0	MPN/100 ml	-

Page 2 of 2

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3. Any discrepancy in test result should be reported within 3Days.
4. The above Results are related to the tested sample only.

**Review By:**Dr. Ashok Kumar  
Technical Manager**Virat Global Lab**  
**Authorized Signatory**  
Authorized SignatorySayeed Ahmad  
Quality Manager

## TEST REPORT (SURFACE WATER) (PART A – CHEMICAL)

**Name and Address of Customer** : M/s JAYKAYCEM (CENTRAL) LIMITED,  
VILLAGE-HARDUWAKEN, TEHSIL- AMANGANJ,  
DISTT. - PANNA, (M.P)

**Location of Sample** : SURFACE RUNOFF WATER IN KONI MINES

**Sample Description** : SURFACE WATER

**Date & Time of Sampling** : 05.09.2023 2:15 PM

**Sample Collected by** : VGL STAFF

**Weather Condition** : CLEAR

**Laboratory Sample Receiving Date** : 07.09.2023

**Duration of Sample Analysis** : 07.09.2023 TO 13.09.2023

**Method of Sampling** : APHA 1060B & 9060A

### TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class E)
1.	pH	APHA 4500-H+	7.62	-	6.5 - 8.5
2.	Colour	APHA 2120-B	50.0	Hazen	-
3.	Turbidity	APHA 2130-A+B	1.2	NTU	-
4.	Total Dissolved Solids, (TDS)	APHA 2540-C	490	mg/L	2100
5.	Total Suspended Solid as TSS	APHA (2540-D)	25.4	mg/L	-
6.	Alkalinity	APHA 2320-A+B	188	mg/L	-
7.	Total Hardness	APHA 2340 A+C	164	mg/L	-
8.	Dissolved Oxygen (DO)	APHA 4500:(O)-C	5.6	mg/L	-
9.	Biological Oxygen Demand (BOD3days27°C)	IS: 3025 (Part-44)	2.8	mg/L	-
10.	Chemical Oxygen Demand as COD	APHA (5220-B)	22.5	mg/L	-
11.	Chloride, (Cl)	APHA 4500:(Cl)-B	48.0	mg/L	-
12.	Fluoride, (F)	APHA 4500:(F)-D	0.50	mg/L	-
13.	Sulphate, (SO <sub>4</sub> )	APHA 4500:(SO <sub>4</sub> )-E	45.2	mg/L	1000
14.	Phenolic Compound, (C <sub>6</sub> H <sub>5</sub> OH)	APHA 5530-C	<0.01	mg/L	-
15.	Oil & Grease, (O & G)	APHA 5520-D	< 2.0	mg/L	-
16.	Nitrate, (NO <sub>3</sub> )	APHA 4500:(NO <sub>3</sub> )-B	7.8	mg/L	-
17.	Arsenic, (As)	APHA 3120B	<0.01	mg/L	-
18.	Copper, (Cu)	APHA 3120B	<0.01	mg/L	-
19.	Iron, (Fe)	APHA-3120B	0.28	mg/L	-
20.	Zinc, (Zn)	APHA-3120B	<0.05	mg/L	-
21.	Cadmium, (Cd)	APHA 3120B	<0.01	mg/L	-
22.	Chromium, (Cr+6)	APHA 3500:(Cr)-B	<0.01	mg/L	-
23.	Lead, (Pb)	APHA-3120B	<0.01	mg/L	-
24.	Mercury (Hg)	APHA-3112A+B	<0.01	mg/L	-

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#### Review By:

Dr. Ashok Kumar  
Technical Manager

Virat Global Lab  
Authorized Signatory

Authorised Signatory  
D. K. Yadav  
Lab In-charge



**TEST REPORT (SURFACE WATER)**  
**(PART A – BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
25.	Total Coliform Count	APHA 9221 B	350	MPN/100 ml	-
26.	Faecal Coliform	APHA 9221 E	110.0	MPN/100 ml	-

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**Review By:**Dr. Ashok Kumar  
Technical Manager**Virat Global Lab**  
**Authorized Signatory**  
Authorized SignatorySayeed Ahmad  
Quality Manager

Awareness on Plastic Waste Campaign in nearby villages of Koni Mine dated 28.09.2023		
Sr. No.	Village Name	Photos
1	Boda village	
2	Koni village	



3	Maharajganj village	
4	Guda village	

5	Pagra Village	 <p>Pagra, Madhya Pradesh, India 8V55+37G, Pagra, Madhya Pradesh 488442, India Lat 24.307935° Long 79.858295° 28/09/23 02:03 PM GMT +05:30</p>
6	Semariya Tehsil	 <p>Semaria, Madhya Pradesh, India 7V9X+W84, Semaria, Simariya Garhi, Madhya Pradesh 488442, India Lat 24.26978° Long 79.898298° 28/09/23 02:24 PM GMT +05:30</p>

7

Tighara village

