

Ref. No.: JAYKAYCEM/ENV./EC/KONI/02/03

Dated: 29.05.2023

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: Six Monthly Environmental Clearance Compliance Status Report for Period October 2022 to March 2023 of Koni - Simariya Limestone Mine of M/s Jaykaycem (Central) Limited 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) regarding.

Ref.: EC File No. J-11015/80/2020/IA.II(M), Date: 01/11/2021.


Dear Sir,

With reference to above stated Environmental Clearance (EC), please find herewith enclosed half yearly environmental clearance compliance status Report for Period October 2022 to March 2023 of Koni - Simariya Limestone Mine of M/s Jaykaycem (Central) Limited 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 through email and same has been uploaded to MoEF&CC portal for your kind information and record, please.

Thanking you,

Yours Sincerely  
For: Jaykaycem (Central) Limited



 Kapil Agrawal  
(Unit Head)

Encl.: As above

Copy of Environmental Clearance Compliance Status Report. Soft copy by mail to:

1. Member Secretary, MPPCB, Paryawaran Parisar, Bhopal (MP).
2. Regional Officer, Regional Office, MPPCB, Sagar (MP) E. mail: [roppcb-sagar@mp.gov.in](mailto:roppcb-sagar@mp.gov.in).
3. Regional Director, CPCB, Paryawaran Parisar, Bhopal (MP)
4. Deputy Director General of forest (C), MoEF&CC, Regional Office, Bhopal- 462016
5. The Director, MoEF&CC, Indira Paryavaran Bhavan,, Jor Bagh Road, Aliganj, New Delhi

## Corporate Office

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**Subject: Environment Clearance Compliance Report for Period from October' 2022 to March 2023 of M/s Jaykaycem (Central) 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**

**Specific Condition**

S. No.	EC Conditions	EC Compliances
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. 855.42 Lakh. Record is being maintained. Koni Simariya Mine operation start date is 03.05.2022 and all concerned activities will be completed within time. <b>(CER expenditure is given below.)</b>

**Corporate Environment Responsibility (CER) Expenditure Report of Koni Limestone Mine**

S.No.	Activities	CER Expenditure (In Lakh)
1	Health (Infrastructure for Primary Health Center, Mobile Health Clinic, Veterinary Hospitals/ Dispensaries)	125.29
2	Education and Training	20.81
3	Infrastructure Development	688.6
4	Drinking Water Facilities at Community Centers	4.74
5	Rainwater Harvesting in Villages	0
6	Agricultural Development and Animal Husbandry	0
7	Plantation/ Greenery	0
8	Local Social Needs of the Community	15.98
	<b>Total</b>	<b>855.42</b>

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.	Complying. Peripheral plantation work is going on and total peripheral land covered under planation is 4.62 ha through fruit bearing trees & other trees of 6758 no and around 6 ha area covered by Beema bamboo plantation of 8978 nos.

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 saplings 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 will be complied, Plantation Survival rate will not be less than 90%. Gap plantation will be done every year and record will be 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, near the village are being done. Ambient Air Quality Report and Noise Monitoring report are enclosed as <b>Annexure No. 1 A &amp; 1 B</b> respectively. Ground vibration are continuously being monitored near boda village and boda school during every blasting.
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 will be complied. A request letter in this regard is submitted to forest department (Copy enclosed as <b>Annexure No.2</b> ) and we are continuously following up.
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.
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 will not be disturbed passing through the mining lease area. Safety barriers of 10 m on both the sides of nallahs and 250 m at the banks of river 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.

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. WiFi enabled camera will be installed shortly to monitor 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. 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.	Agreed. Land is being procured for Over Land Belt Conveyor. < 30 T vehicle is being used for transportation of LS from Mine to plant.
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 complied. 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 have been submitted and work is going on accordingly.
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 stored at earmarked location as per approved Mining Plan and 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 will be complied.
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 of 1/3 of the person.

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 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 <b>Annexure No.-3.</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. Mitigation measures provided in MoEFCC's Office Memorandum No. Z- 11013/S7/2014-IA.11 (M), dated 29 <sup>th</sup> October, 2014 will be 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.-4.</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	Complied The advertisement about the grant of EC letter for the project has been published in two local newspapers namely Navbharat and Nai Dunia

	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.	dated 02.11.2021 and copy of the same enclosed as <b>Annexure No.-5</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. 02 Nos. Water tankers have been deployed for regular water sprinkling on haul roads, loading and unloading areas. Water spray system 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>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	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

	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	intersection of ground water table and copy CGWA Water as enclosed <b>Annexure No.-3</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.-6</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.7</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 and there is no any acid mine drainage. There is no waste water generation from mine. A small quantity of sewage waste will be generated which will be treated in septic tank and soak pit.



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 MoEFCC annually.	Agreed and is being complied. Rainwater Harvesting structures have been constructed to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. Report on amount of water recharge will be submitted annually to Regional Office MoEFCC annually.
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 will be complied. Workshop is being constructed.
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. The water balance/water will be carried out and report will be submitted to the 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 done as per applicable DGMS guideline.
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. Report enclosed as <b>Annexure No.1B</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 complied. Regular maintenance is being done of HEMM. PUC is being done of all HEMM. PPEs is provided to all. 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
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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 is being done as per mining plan. Land use is being maintained as per mining plan. Backfilling in the mine lease area and afforestation in the reclaimed area will be done as per mining plan. Presently there is no rehabilitation done.
<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 is being maintained as per the approved Mining Plan and as per the guidelines/circulars issued by D.G.M.S. 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. 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 sizes 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 will be complied. Bund is formed around the mine working. Catch drains, settling tanks and siltation ponds will be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off. Collected water will be utilized for watering the mine area, roads, green belt development, plantation etc. Drains/ sedimentation sumps etc. will be 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 will be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. Safety margin of 50% will be kept properly. Sedimentation pits/ sumps will be constructed at the corners of the garland drains.
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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 is passed through villages/ habitations. Costs resulting from widening and strengthening of existing public road network has been borne in consultation with nodal State Govt. Department. Water sprinkling is being done through tanker. Vehicular emissions are being kept under control and regularly monitored. Project should obtain Pollution under Control (PUC) certificate for all the vehicles 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 and complying Permanent water sprinkling arrangement over main haulage road within the mine lease will be provided soon for dust suppression. Other roads within the mine lease is being wetted regularly with 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.
----	---	--

	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 any 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.
----	---	--

<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 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.	Noted
x.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days asprescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Yours Sincerely  
For Jaykaycem (Central) Limited

*Kapil Agrawal*  
Kapil Agrawal  
(Unit Head)



# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O.  
5768(E) Dated 15.11.2018 Valid upto 14.11.2023  
ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20230112/09	Date of Registration: 12.01.2023
Report No. SCS/JKCL/AAQ/20230112/09	Date of Report: 25.01.2023


## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,  
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)  
Date of Monitoring : 14.01.2023  
Date of start of testing : 17.01.2023  
Date of end of testing : 25.01.2023  
Duration of sampling : 24 Hrs.  
Type of Industry : Cement Industry  
GPS Coordinates of : 24°18'49.73"N  
the Location : 79°56'24.79"E  
Ambient Temperature : 20.8°C  
Name of Location : Koni Mines, Near Office Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO

### RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	51.9 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	32.0 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.9 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	12.5 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/13

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



- The results refer only to the tested sample and applicable parameters.
- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.



TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O.  
5768(E) Dated 15.11.2018 Valid upto 14.11.2023  
ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20230112/10	Date of Registration: 12.01.2023
Report No. SCS/JKCL/AAQ/20230112/10	Date of Report: 25.01.2023

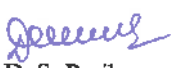
**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,  
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)  
Date of Monitoring : 14.01.2023  
Date of start of testing : 17.01.2023  
Date of end of testing : 25.01.2023  
Duration of sampling : 24 Hrs.  
Type of Industry : Cement Industry  
GPS Coordinates of : 24°17'31.59"N  
the Location : 79°57'47.27"E  
Ambient Temperature : 19.5°C  
Name of Location : Near house of Basant Kumar S/o Shri Behire Lal, Village & Post: Tighara, Tehsil:  
Amanganj, Dist.: Panna (M.P.)  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	48.2 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	28.1 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	6.2 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	9.9 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	573 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/13

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.





TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O.  
5788(E) Dated 15.11.2018 Valid upto 14.11.2023  
ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20230112/12	Date of Registration: 12.01.2023
Report No. SCS/JKCL/AAQ/20230112/12	Date of Report: 25.01.2023

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,  
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)  
Date of Monitoring : 14.01.2023  
Date of start of testing : 17.01.2023  
Date of end of testing : 25.01.2023  
Duration of sampling : 24 Hrs.  
Type of Industry : Cement Industry  
GPS Coordinates of : 24°15'52.15"N  
the Location : 79°53'44.70"E  
Ambient Temperature : 19.0°C  
Name of Location : Near house of Rajendra Kumar Ji Gupta S/o Shri Jaganath Ji Gupta, Village, Post &  
Tehsil: Simariya, Dist.: Panna (M.P.)  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO

### RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	57.2 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	35.6 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.8 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	15.0 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/13

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.

<b>KONI SIMARIYA LIME STONE MINE A UNIT OF JAYKAYCEM (CENTRAL) LTD.</b>					
<b>Ambient Noise Monitoring Reports for the month of January 2023</b>					
<b>Date of Monitoring</b>	<b>Sampling Location</b>	<b>Parameters</b>			
		<b>Day Time</b>	<b>Day Time Std.</b>	<b>Night Time</b>	<b>Night Time Std.</b>
		<b>dB (A)</b>	<b>dB (A)</b>	<b>dB (A)</b>	<b>dB (A)</b>
1/17/2022	Koni Mines (Core Zone)	70.23	<b>75</b>	55.28	<b>70</b>
1/18/2022	Semariya Village	53.2	<b>55</b>	43.1	<b>45</b>
1/20/2022	Kolkariya Village	53.78	<b>55</b>	43.89	<b>45</b>
1/21/2022	Harduaken Village	51.2	<b>55</b>	42.9	<b>45</b>
1/22/2022	Sotipura Village	51.23	<b>55</b>	42.5	<b>45</b>
1/24/2022	Purwa Village	52.78	<b>55</b>	40.7	<b>45</b>

# Jaykaycem (Central) Ltd.

Regd Office : Kamla Tower  
Kanpur-208001 (India)

Project Office : My Home Residency,  
Opp. Essar Petrol Pump, Katni Road  
Amanganj - 488441 Panna (M.P.)

GSTIN-23AABBCJ4401G2Z6

CIN:U72305UP1987PLC009162

Dated: 15.03.2022

Ref. No.: PCP/EMD/MoEF/F 01/041

To,  
**The Field Director,**  
Panna Tiger Reserve,  
Panna- 488001 (MP)

**Subject:** To comply with Wild Life Conservation Plan approval Letter for Koni Simariya Limestone Mine of Jaykaycem (Central) Limited located in Village (s)- Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Devri, Pagra & Kluwa, Tahsil- Simariya, District-Panna, Madhyapradesh, implementation of Wild Life Conservation Plan and specific condition of Environment Clearance- regarding

**Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021**

**2. Environment Clearance vide no J-11015/80/2020/IA.II(M), Date: 01/11/2021.**

Dear Sir,

We would like to inform you that in Wild Life Conservation Plan approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021 for Koni Simariya Limestone Mine of Jaykaycem (Central) Limited, yearwise budget has been allocated for implementation of wild life conservation plan and it is also mentioned in specific condition no. VII of environment clearance letter no. J-11015/80/2020/IA.II(M), Date: 01/11/2021 that *"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 1st July of every year"*.

So, for complying the above said conditions, kindly guide us for further needful, please.

Thanking you,  
Yours Faithfully  
For: Jaykaycem (Central) Limited



Anil Badgotri  
(Authorised Signatory)

**Encl.: As above**

CC to:

- 1- Chief Wild Life Warden, Govt. of Madhya Pradesh, Bhopal-462001
- 2- Chief Conservator of Forest, Chhatarpur-471001
- 3- DFO, South Division, Panna



Phone : +91-512-2371479 to 81. Fax : +91-512-2399854. E-mail : admin@jkcements.com



Ref. No.: PCP/EMD/MoEF/F 04/03

Dated: 21.09.2022

To,  
The Field Director,  
Panna Tiger Reserve,  
Panna- 488001 (MP)

**Subject: To comply with Wild Life Conservation Plan Approval Letter for Koni Simariya Limestone Mine of M/s Jaykaycem (Central) Limited located in Village(s)- Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Devri, Pagra&Kluwa, Tahsil- Simariya, District-Panna, Madhyapradesh, implementation of Wildlife Conservation Plan and specific condition of Environment Clearance- reg.**


Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021  
2. Environment Clearance vide no J-11015/80/2020/IA.II(M), Date: 01/11/2021.  
3. Jaykaycem letter no. PCP/EMD/MoEF/F 01/041 dated 15.03.2022

Dear Sir,

In continuation of our letter no. PCP/EMD/MoEF/F 01/041 dated 15.03.2022, We would like to inform you again that in Wild Life Conservation Plan approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021 for Koni Simariya Limestone Mine of Jaykaycem (Central) Limited, year wise budget has been allocated for implementation of wild life conservation plan and it is also mentioned in specific condition no. VII of above referred environment clearance dated 01/11/2021 that "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".

So, for complying the above condition as well as approved Wild Life Conservation Plan, please guide for further action so that we may do all needful.

Thanking you,  
Yours Faithfully  
For: Jaykaycem (Central) Limited



Anil Badgotri  
(Authorised Signatory)

CC to:

- 1- Chief Wild Life Warden, Govt. of Madhya Pradesh, Bhopal-462001
- 2- Chief Conservator of Forest, Chhatarpur-471001

*Handwritten signature and date:*  
29/9/22

## 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

Grinding Unit :  
Village Ingotha, District : Hamirpur, Uttar Pradesh, India, Pin - 210341

**JK SUPER  
STRONG**  
BUILD SAFE

Registered Office : Kamla Tower, Kanpur-208001, U.P., India. ☎ +91-512-2371478 to 85 ☎ 91-512-2399854 ✉ www.jkcement.com





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

(भूजल निकासी हेतु अविरोध प्रमाण)

**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, जामिनगर हाउस, मानसिंह राठी नंदमो - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011  
Phone: (011) 23383561 Fax: 23382051, 23386743  
Website: cgwa-noc.gov.in

पानी बचाये - जीवि 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) : +91-512-2399854  
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

दिनांक - 01.11.2021

प्रति,

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



2	मुख्य कार्यपालन अधिकारी, जिला पंचायत, पन्ना . 488 001	
3	महाप्रबंधक, जिला व्यापार एवं उद्योग केन्द्र, पन्ना. 488 001	
4	सरपंच, ग्राम पंचायत कोनी तहसील-सिमरिया जिला-पन्ना . 488 441	
5	सरपंच, ग्राम पंचायत बोड़ा तहसील-सिमरिया जिला-पन्ना . 488 441	
6	सरपंच, ग्राम पंचायत गुढ़ा तहसील-सिमरिया जिला-पन्ना . 488 442	
7	सरपंच, ग्राम पंचायत गनयारी तहसील-सिमरिया जिला-पन्ना . 488 442	
8	सरपंच, ग्राम पंचायत देवरी तहसील-सिमरिया जिला-पन्ना. 488 442	
9	सरपंच, ग्राम पंचायत सिमरिया तहसील-सिमरिया जिला-पन्ना . 488 442	



**Sites:**

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







[illegible]



# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.:U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/WL/20230112/29-31	Date of Registration: 12.01.2023
Report No. SCS/JKCL/WL/20230112/29-31	Date of Report: 25.01.2023

## TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,  
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)  
Sample collected by : SCS Representative

Details of Well	Date of Monitoring	Water level in meter	Protocol
Village: Simariya (Borewell) N 24°15'54.91" E 79°53'48.94"	14.01.2023	21.035 meter	Water Level Indicator
Village: Tighara (Dug Well) N 24°17'31.10" E 79°57'46.08"	14.01.2023	4.305 meter	Water Level Indicator
Village: Umri (Dug Well) N 24°15'56.32" E 79°56'04.35"	14.01.2023	3.025 meter	Water Level Indicator

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



- The results refer only to the tested sample and applicable parameters.
- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviron@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 J K Cement (Central) Ltd.</b> <b>Village Harduaken,</b> <b>Tehsil – Amanganj,</b> <b>District – Panna (M.P.)</b>		Report No.	UES/TR/22-23/08326	
		Lab Ref No.	UES/22-23/W/016627	
		Date of Sampling	09/01/2023	
		Date of Receipt	10/01/2023	
		Date of Report	13/01/2023	
		Date of Analysis	Start: 10/01/2023	End: 13/01/2023
<b>SAMPLE DETAILS</b>				
Customer Ref. No. & Date	Verbal Communication, Dated: 07/01/2023.			
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. 08326

### 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	7.31
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	259
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	431.8
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.86
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	158
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	200	600	174
10	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	48.59
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	12.63
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	8.14
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.83
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	17.04
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	33.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	37.4





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Rep. No. 08326

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.13
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

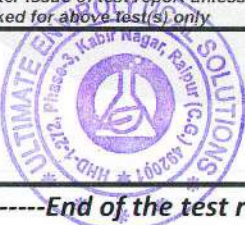
Note: mg/lit.:milligram per liter, N.D.: Not Detected.

### REMARKS: RESULTS ARE AS ABOVE

#### 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 test(s) only.

*[Signature]*  
13/01/23  
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*[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/22-23/08329	
<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/22-23/W/016630	
		Date of Sampling	09/01/2023	
		Date of Receipt	10/01/2023	
		Date of Report	13/01/2023	
		Date of Analysis	Start: 10/01/2023	End: 13/01/2023
<b>SAMPLE DETAILS</b>				
Customer Ref. No. & Date	Verbal Communication, Dated: 07/01/2023.			
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. 08329

## 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	7.21
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	271
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	451.8
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.51
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	156
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	40.89
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	14.58
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	7.80
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.34
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	17.63
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	28.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	35.3
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.07





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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
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Rep. No. 08329

## 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	0.14
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 test(s) only.

*[Signature]*  
13/01/23  
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*[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

<b>Name &amp; Address Of The Customer</b>		<b>Report No.</b>	UES/TR/22-23/08330
<b>To,</b>		<b>Lab Ref No.</b>	UES/22-23/W/016631
<b>M/s Jaykaycem (Central) Ltd.</b>		<b>Date of Sampling</b>	09/01/2023
<b>Village Harduaken,</b>		<b>Date of Receipt</b>	10/01/2023
<b>Tehsil - Amanganj,</b>		<b>Date of Report</b>	13/01/2023
<b>District - Panna (M.P.)</b>		<b>Date of Analysis</b>	Start: 10/01/2023      End: 13/01/2023
<b>SAMPLE DETAILS</b>			
<b>Customer Ref. No. &amp; Date</b>	Verbal Communication, Dated: 07/01/2023.		
<b>Customer Sample Id / Sampling Location</b>	Tighara Village Buffer Zone Govt. Hand Pump near Govt. School	<b>Latitude</b>	24°17'36.40"N
		<b>Longitude</b>	79°57'51.82"E
<b>Sample Type</b>	Ground Water	<b>Sample Condition At Receipt</b>	Ok
<b>Packing Of Sample</b>	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr. x2)	<b>Sample Collected By</b>	Laboratory Chemist
<b>Other Details</b>	Sealed	<b>Quantity Received</b>	Approx 5 Ltr. each

Rep. No. 08330

## 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	7.76
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	306
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	510.7
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.79
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	184
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	200	600	196
10	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	64.12
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	8.7
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	7.76
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.50
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	16.64
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	36.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	38.9
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.16
19	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.





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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Rep. No. 08330

## 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	0.12
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

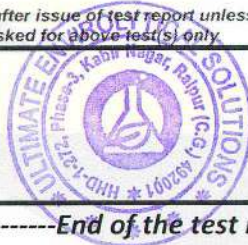
Note: mg/lit.:milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

### Terms & conditions

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- 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.

*Rekha*  
13/01/23  
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

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Name & Address Of The Customer		Report No.	UES/TR/22-23/08331
<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/22-23/W/016632
		Date of Sampling	09/01/2023
		Date of Receipt	10/01/2023
		Date of Report	13/01/2023
		Date of Analysis	Start: 10/01/2023      End: 13/01/2023
<b>SAMPLE DETAILS</b>			
Customer Ref. No. & Date	Verbal Communication, Dated: 07/01/2023.		
Customer Sample Id / Sampling Location	Saptai Village 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. 08331

## 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	7.49
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	309
6	Conductivity	µS/Cm	IS 3025:(Part-14)	-	-	515.4
7	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.33
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-23)	200	600	160
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	IS 3025:(Part-21)	200	600	192
10	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	45.69
11	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	18.95
12	Sodium	mg/l	IS 3025:(Part-45)	-	-	7.28
13	Potassium	mg/l	IS 3025:(Part-45)	-	-	1.36
14	Nitrate (as NO <sub>3</sub> )	mg/L	IS 3025(part-34)	45	No Relaxation	24.21
15	Total Phosphate	mg/L	IS:3025:(Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	28.9
17	Sulphate (as SO <sub>4</sub> )	mg/L	IS 3025:(Part-24)	200	400	53.4
18	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.13
19	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.





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## TEST REPORT

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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	0.16
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

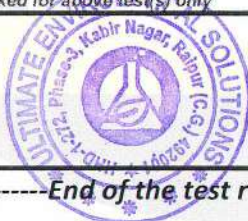
Note: mg/lit.:milligram per liter, N.D.: Not Detected.

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*Reviewed*  
13/01/23  
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Subhajeet*  
AUTHORIZED SIGNATORY

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