

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

Dated: 29.11.2022

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 April 2022 to September 2022 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.: 1- EC File No. J-11015/80/2020/IA.II(M), Date: 01/11/2021.

2- MoEF&CC Office Memorandum F. No. IA3-22/8/2021-1A.III [150512] dated 18.07.2022

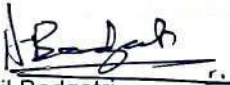
Dear Sir,

With reference to above stated Environment Clearance (EC) and Office Memorandum, please find herewith enclosed half yearly environmental clearance compliance status report along with a report, along with photographs, on the measures taken create to awareness among people on ban on Single Use Plastic (SUP) for period from April 2022 to September 2022 for 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
(Wholly Owned Subsidiary of JK Cement Ltd.)


Anil Badgotri
(Unit Head)

Encl.: As above

CC:

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) - E.
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

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

EC Compliance Report (Period from April' 2022 to September' 2022)

Subject: Proposal for Environmental Clearance 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, Madhya Pradesh - Environmental Clearance (EC) regarding.		
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..161 Lakh. 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.
III.	The Project Proponent shall undertake the progressive benchplantation up to HFL for eco restoration of water bodies.	Agreed, progressive bench plantation up to HFL for eco restoration of water bodies will be complied.
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.	Agreed and will be complied, Peripheral plantation work is going on.
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 will be complied, Ambient air quality and noise at the edge of the mine, near the village are being done. Report is enclosed as Annexure No. 1 and ground vibration monitoring near village and school will be conducted as blasting will be done.
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	Agreed and will be complied. A request letter in this regard is submitted to forest department (Copy enclosed as Annexure No.2)



	of the same shall be submitted to IRO of MoEF &CC before 1 st July of every year.	
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. Water supply to the villagers will be done with the help of solar pump and possibilities of solar power distribution to villagers generated through floating solar panels will be explored.
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- IAll (M), dated 29th October, 2014.	Blasting has not been carried out within 500m from school and habitation. However, we are also using the muffle blasting techniques to control the flying rocks and dust.
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 also chain link wire fencing will be provided outside the planation. Work is going on. 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 programme through ITI is being provided to the local residents for about 30 nos
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. Capacity of trucks / tippers has been restricted within the granted limit.



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, We are exploring the possibility of electrical equipment's.
XV.	The Project Proponent should not disturb the existing road network during the operating period of mine.	Agreed and complying. Existing road network is not being disturbed.
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 will be complied. R&R and CER/CSR progressive plan and information regarding plantation and conservation plan will be submitted periodically.
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
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 will be complied. Regular Occupational health check-up along with Silicosis will be carried out of 1/3 of the person every year.
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 Annexure No.- 3.

B. Standard EC Conditions:

I. Statutory compliance

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 & will be complied.
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	Not Applicable



	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.	
iv.	The 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 Habitations and villages are surrounded by the mine lease area".	Noted and will be complied. Mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/S7/2014-IA.11 (M), dated 29th 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 Annexure No.-4.
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 (WWW.parivesh.nic.in). 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 Annexure No.-5.
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.
II. Air quality monitoring and preservation		
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 is being 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



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	<p>Agreed and will be complied.</p> <ul style="list-style-type: none"> Regular water sprinkling will be done on haul roads, loading and unloading areas and metalled road will be constructed. Water spray system and bag filters will be installed to controlled fugitive emission. Feasibility for using of water-soluble chemical dust suppressing agents will be explored. Air pollution level will be within the prescribed norms by the MoEFCC/ Central Pollution Control Board.
III. Water quality monitoring and preservation		
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	<p>Complied.</p> <p>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 Annexure No.-3.</p>
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.	<p>Agreed and will be complied.</p> <ul style="list-style-type: none"> 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 Annexure No.-6.
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	<p>Agreed and will be complied,</p> <ul style="list-style-type: none"> Regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream will be carried out. Sufficient number of gullies will be 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



	on six- monthly basis.	trend analysis. Report enclosed as per Annexure No.7.
iv.	<p>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).</p> <p>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.</p>	<p>Agreed</p> <p>EC issued for limestone mine and there is no any acid mine drainage.</p> <p>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.</p>
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.	<p>Agreed and will be complied.</p> <ul style="list-style-type: none"> Rainwater Harvesting structures will be 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.
	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.	<p>Agreed and will be complied.</p> <p>Water auditing will be carried out and report will be submitted to the Regional Office of the MoEF&CC and State Pollution Control Board / Committee.</p>
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 will be complied, PPV will be 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.	<p>Agreed and will be complied,</p> <p>Noise level is being maintained within prescribed limit in day/ night hours.</p> <p>Report enclosed as Annexure No.1.</p>
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	<p>Agreed and will be complied.</p> <ul style="list-style-type: none"> Regular maintenance will be done of HEMM. PUC will be done of all HEMM. PPEs will be provided to all.



	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	<ul style="list-style-type: none"> Training and awareness program on health and safety aspects will be 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, 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.).	Agreed and will be complied. Mining operation is being executed as per approved mining plan
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 will be complied. <ul style="list-style-type: none"> Mining is being done as per mining plan. Land use will be 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. Monitoring and management will be done regularly and report will be submitted to the MoEF&CC and its concerned Regional Office on half yearly basis.
VI. Land reclamation		
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 will be complied. <ul style="list-style-type: none"> Overburden (O.B.), waste and topsoil generated during the mining operations will be stacked at earmarked OB dump site. Physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope will be maintained as per the approved Mining Plan and as per the guidelines/circulars issued by D.G.M.S. The topsoil will be used for land reclamation and plantation.
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	Agreed and will be complied. <ul style="list-style-type: none"> 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.



	critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken 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 will be complied. 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. <ul style="list-style-type: none"> 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 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 will also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. Sedimentation pits/ sumps will be constructed at the corners of the garland drains.

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. <ul style="list-style-type: none"> 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 arrangement have been provided on haul road to control fugitive emission. Vehicular emissions is being kept under control and regularly monitored. Project should obtain Pollution under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
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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 & Will be complied. <ul style="list-style-type: none"> Permanent water sprinkling arrangement over main haulage road within the mine lease will be provided for dust suppression. Other roads within the mine lease is being wetted regularly with tanker-mounted water sprinkling system. Dust suppression arrangements will be 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.
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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 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	Agreed and will be complied. Peripheral plantation is being done
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. <ul style="list-style-type: none"> 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	Agreed and will be complied. Temporary housing facilities will be provided during construction phase and domestic waste water will be disposed of in soak pit followed by septic tank.
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	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.	
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 will be 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.
XI. Miscellaneous		
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	Noted



	condition which is fit for growth of fodder, flora, fauna etc.	
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 as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Yours Sincerely
For Jaykaycem (Central) Limited
(Wholly Owned Subsidiary of JK Cement Ltd.)



Anil Badgotri
(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/20220916/35	Date of Registration: 16.09.2022
Report No. SCS/JKCL/AAQ/20220916/35	Date of Report: 06.10.2022


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 : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Industry
GPS Coordinates of the Location : 24°15'52.2"N
79°53'45.2"E
Ambient Temperature : 28.8°C
Name of Location : Near house of Rajendra Kumar Gupta S/o Shri Jaganath Gupta, Village, Post and
Tehsil: Semariya, Dist.: Panna (M.P.)
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM ₁₀)	53.4 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	31.7 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.3 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	12.0 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	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/20220916/42	Date of Registration: 16.09.2022
Report No. SCS/JKCL/AAQ/20220916/42	Date of Report: 06.10.2022


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 : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Industry
GPS Coordinates of the Location : 24°18'49.75"N
79°56'20.22"E
Ambient Temperature : 29.4°C
Name of Location : Koni - Semariya Mines, Village & Post: Boda, Tehsil: Semariya, Dist.: Panna (M.P.)
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM ₁₀)	60.2 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	36.8 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.3 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	17.0 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	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.

**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/20220916/44	Date of Registration: 16.09.2022
Report No. SCS/JKCL/AAQ/20220916/44	Date of Report: 06.10.2022

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 : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Industry
GPS Coordinates of the Location : 24°16'34.37"N
79°49'25.1"E
Ambient Temperature : 28.7°C
Name of Location : Near house of Sohan Lal Patel S/o Shri Chura Mal Patel, Village: Kolkariya, Post: Devra, Tehsil: Simariya, Dist.: Panna (M.P.)
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x, CO

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM ₁₀)	52.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	31.9 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.5 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.3 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	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.

Jaykaycem (Central) Ltd.

GSTIN-23AABBCJ4401G2Z6

CIN:U72305UP1987PLC009162

Regd Office : Kamla Tower
Kanpur-208001 (India)

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

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

Dated: 15.03.2022

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 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.

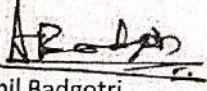
Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi./GEN.-274/4081 dated 16.06.2021
2. Environment Clearance vide no J-11015/80/2020/IA.II(M), Date: 01/11/2021.
3. Jaykaycem letter no. PCP/EMD/MoEF/F 01/041 dated 15.03.2022

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 1st 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


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 रास्ता 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 - 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) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/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 m³/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-Purohit, Devra, Tehsil - Amanganj, District - Panna, M.P. INDIA.
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA

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/20220916/83-92	Date of Registration: 16.09.2022
Report No. SCS/JKCL/WL/20220916/83-92	Date of Report: 06.10.2022

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 (Dug Well) N 24° 16' 00.72" E 79° 53' 47.64"	18.09.2022	4.051 meter	Water Level Indicator
Village: Pagra (Dug Well) N 24° 21' 08.72" E 80° 00' 00.08"	18.09.2022	1.076 meter	Water Level Indicator
Village: Puraina (Bore Well) N 24° 19' 00.00" E 79° 58' 35.50"	18.09.2022	2.635 meter	Water Level Indicator
Village: Devra, (Dug Well) N 24° 22' 20.93" E 79° 58' 15.98"	19.09.2022	1.559 meter	Water Level Indicator
Village: Kakra (Dug Well) N 24° 21' 18.40" E 79° 57' 01.37"	19.09.2022	3.076 meter	Water Level Indicator
Village: Kamtana (Dug Well) N 24° 22' 49.45" E 79° 57' 32.86"	19.09.2022	1.000 meter	Water Level Indicator
Village: Bhupatpura (Bore Well) N 24° 18' 40.94" E 79° 54' 03.10"	20.09.2022	5.025 meter	Water Level Indicator
Village: Koni (Bore Well) N 24° 20' 19.48" E 79° 54' 34.55"	20.09.2022	4.330 meter	Water Level Indicator
Village: Hinauta (Bore Well) N 24° 23' 12.75" E 80° 00' 52.40"	20.09.2022	3.025 meter	Water Level Indicator
Village: Umri (Bore Well) N 24° 15' 59.58" E 79° 55' 53.82"	20.09.2022	1.381 meter	Water Level Indicator

Per pro SCS Enviro Services Pvt. Ltd.,

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



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TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O.
5768(E) Dated 16.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-16001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20220916/61	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/61(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°19'02.05"N
79°56'33.23"E
Details of Sample : Koni-Simariya Mines (Boar well near house of Anil Kumar Gautam S/o
Shri Gorier Gautam, Village & Post: Boda, Tehsil: Simariya, Dist.: Panna
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature	26.8 °C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.75	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.16	1	5	APHA (23rd Edition) 2130
Total Solids	950.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	948.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	1,378 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia (as total ammonia-N)	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	171.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	23.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl- B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.67 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.05 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	33.05 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.

[Signature]
Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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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/W/20220916/61	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/61(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°19'02.05"N
79°56'33.23"E
Details of Sample : Koni-Simariya Mines (Boar well near house of Anil Kumar Gautam S/o
Shri Gorier Gautam, Village & Post: Boda, Tehsil: Simariya, Dist.: Panna
Sample collected by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	16.74 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ -B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	372.40 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	284.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	564.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C&E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	40.74 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	5.22 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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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/W/20220916/61	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/61(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°19'02.05"N
Location : 79°56'33.23"E
Details of Sample : Koni-Simariya Mines (Boar well near house of Anil Kumar Gautam S/o Shri
Gorier Gautam, Village & Post: Boda, Tehsil: Simariya, Dist.: Panna
Sample collected by : SCS Representative

Sample collected by

: SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20 µg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2 µg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 µg / L	USEPA Method No. 508
α-HCH	< 0.01 µg / L		0.01 µg / L	USEPA Method No. 508
β-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125 µg / L	USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L		30 µg / L	USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 µg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD)	< 0.10 µg / L		1 µg / L	USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 µg / L	USEPA Method No. 1657A
Ethion	< 0.10 µg / L		3 µg / L	USEPA Method No. 508
γ-HCH	< 0.10 µg / L		2 µg / L	USEPA Method No. 508
Isoproturon	< 1.0 µg / L		9 µg / L	USEPA Method No. 532
Malathion	< 10.0 µg / L		190 µg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3 µg / L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L		1 µg / L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2 µg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

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(Technical Manager)
Authorised Signatory



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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

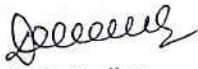
Sample ID No.: SCS/W/20220916/61	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/61(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°19'02.05"N
Location : 79°56'33.23"E
Details of Sample : Koni-Simariya Mines (Boar well near house of Anil Kumar Gautam S/o Shri
Gorier Gautam, Village & Post: Boda, Tehsil: Simariya, Dist.: Panna
Sample collected by : SCS Representative

Sample collected by		: SCS Representative		
Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water				
Total Coliform	6 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/62	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/62(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°16'36.33"N
Location : 79°54'24.71"E
Details of Sample : Water sample collected from Borewell near house of Mr. Kallu Yadav S/o Shri
Gokul Yadav, Village: Garhi Simariya, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Sample submitted by

SES Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	27.3°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.89	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.12	1	5	APHA (23rd Edition) 2130
Total Solids	488.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	485.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	761 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	76.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	25.99 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.60 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.03 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	32.08 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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



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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/W/20220916/62	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/62(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°16'36.33"N
Location : 79°54'24.71"E
Details of Sample : Water sample collected from Borewell near house of Mr. Kallu Yadav S/o Shri
Gokul Yadav, Village: Garhi Simariya, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	26.87 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ -B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	8.20 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	312.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	324.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	2.35 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	0.27 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

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



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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/W/20220916/62	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/62(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°16'36.33"N
Location : 79°54'24.71"E
Details of Sample : Water sample collected from Borewell near house of Mr. Kallu Yadav S/o Shri
Gokul Yadav, Village: Garhi Simariya, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20 µg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2 µg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 µg / L	USEPA Method No. 508
α-HCH	< 0.01 µg / L		0.01 µg / L	USEPA Method No. 508
β-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125 µg / L	USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L		30 µg / L	USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 µg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg / L		1 µg / L	USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 µg / L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3 µg / L	USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L		2 µg / L	USEPA Method No. 508
Isoproturon	< 1.0 µg / L		9 µg / L	USEPA Method No. 532
Malathion	< 10.0 µg / L		190 µg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3 µg / L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L		1 µg / L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2 µg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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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/W/20220916/62	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/62(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°16'36.33"N
Location : 79°54'24.71"E
Details of Sample : Water sample collected from Borewell near house of Mr. Kallu Yadav S/o Shri
Gokul Yadav, Village: Garhi Simariya, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water				
Total Coliform	4 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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



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TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O.
5708(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

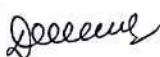
Sample ID No.: SCS/W/20220916/63	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/63(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°15'52.37"N
Location : 79°53'45.02"E
Details of Sample : Water sample collected from Govt Borewell near house of Rajendra Kumar Gupta
S/o Shri Jaganath Gupta, Village, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	26.9°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	7.05	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.19	1	5	APHA (23rd Edition) 2130
Total Solids	864.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	859.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	1,295 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	136.00 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	131.96 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl- B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.35 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.04 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	38.88 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/63	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/63(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°15'52.37"N
Location : 79°53'45.02"E
Details of Sample : Water sample collected from Govt Borewell near house of Rajendra Kumar Gupta
S/o Shri Jaganath Gupta, Village, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	9.48 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ -B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	148.65 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	340.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	500.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	49.50 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	4.18 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,


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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/W/20220916/63	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/63(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°15'52.37"N
Location : 79°53'45.02"E
Details of Sample : Water sample collected from Govt Borewell near house of Rajendra Kumar Gupta
S/o Shri Jaganath Gupta, Village, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L	20 µg / L		USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L	2 µg / L		USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L	0.03 µg / L		USEPA Method No. 508
α-HCH	< 0.01 µg / L	0.01 µg / L		USEPA Method No. 508
β-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
Butachlor	< 10.0 µg / L	125 µg / L		USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L	30 µg / L		USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L	30 µg / L		USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg / L	1 µg / L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L	0.4 µg / L		USEPA Method No. 508
Ethion	< 0.10 µg / L	3 µg / L		USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L	2 µg / L		USEPA Method No. 508
Isoproturon	< 1.0 µg / L	9 µg / L		USEPA Method No. 532
Malathion	< 10.0 µg / L	190 µg / L		USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L	0.3 µg / L		USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L	1 µg / L		USEPA Method No. 8141A
Phorate	< 0.10 µg / L	2 µg / L		USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

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(Technical Manager)
Authorised Signatory



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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

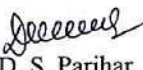
Sample ID No.: SCS/W/20220916/63	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/63(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 18.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°15'52.37"N
Location : 79°53'45.02"E
Details of Sample : Water sample collected from Govt Borewell near house of Rajendra Kumar Gupta
S/o Shri Jaganath Gupta, Village, Post & Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter		Results	IS - 10500:2012		Protocol
			Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water					
Total Coliform		12 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli		Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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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

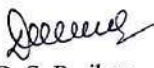
Sample ID No.: SCS/W/20220916/67	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/67(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°16'35.36"N
79°49'22.86"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village: Kholkhariya, Post: Divre, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	27.8°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.58	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.12	1	5	APHA (23rd Edition) 2130
Total Solids	697.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	693.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	1,050 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	89.60 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	33.99 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.69 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.03 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	45.68 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/67	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/67(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°16'35.36"N
79°49'22.86"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village: Kholkhariya, Post: Divre, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	15.03 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	137.52 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	340.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	412.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	25.49 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	5.00 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,

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

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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/W/20220916/67	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/67(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°16'35.36"N
Location : 79°49'22.86"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village: Kholkhariya, Post: Divre, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Sample submitted by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20 µg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2 µg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 µg / L	USEPA Method No. 508
α-HCH	< 0.01 µg / L		0.01 µg / L	USEPA Method No. 508
β-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125 µg / L	USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L		30 µg / L	USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 µg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD)	< 0.10 µg / L		1 µg / L	USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 µg / L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3 µg / L	USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L		2 µg / L	USEPA Method No. 508
Isoproturon	< 1.0 µg / L		9 µg / L	USEPA Method No. 532
Malathion	< 10.0 µg / L		190 µg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3 µg / L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L		1 µg / L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2 µg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

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Authorised Signatory



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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

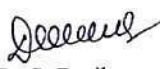
Sample ID No.: SCS/W/20220916/67	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/67(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 19.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°16'35.36"N
Location : 79°49'22.86"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village: Kholkhariya, Post: Divre, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter		Results	IS – 10500:2012		Protocol
			Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water					
Total Coliform		15 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli		Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
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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

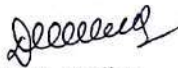
Sample ID No.: SCS/W/20220916/71	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/71(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°21'44.25"N
Location : 79°53'19.60"E
Details of Sample : Water sample collected from Govt Handpump, near House of Sunil Jat S/o Shri
Ramkesh Jat Village: Sunwani Kalan Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	27.5°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.90	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.17	1	5	APHA (23rd Edition) 2130
Total Solids	720.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	718.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	1,095 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	100.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	63.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.42 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.04 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	51.52 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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TC-6960

MoEF&CC RECOGNIZED LABORATORY vide S.O.
5766(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

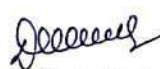
Sample ID No.: SCS/W/20220916/71	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/71(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°21'44.25"N
Location : 79°53'19.60"E
Details of Sample : Water sample collected from Govt Handpump, near House of Sunil Jat S/o Shri
Ramkesh Jat Village: Sunwani Kalan Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	43.11 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ -B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	51.69 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	388.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	464.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	16.37 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	2.11 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/71	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/71(3/4)	Date of Report: 06.10.2022


TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°21'44.25"N
Location : 79°53'19.60"E
Details of Sample : Water sample collected from Govt Handpump, near House of Sunil Jat S/o Shri
Ramkesh Jat Village: Suniwani Kalan Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L		20 µg / L	USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L		2 µg / L	USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L		0.03 µg / L	USEPA Method No. 508
α-HCH	< 0.01 µg / L		0.01 µg / L	USEPA Method No. 508
β-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
Butachlor	< 10.0 µg / L		125 µg / L	USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L		30 µg / L	USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L		0.04 µg / L	USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L		30 µg / L	USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD)	< 0.10 µg / L		1 µg / L	USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L		0.4 µg / L	USEPA Method No. 508
Ethion	< 0.10 µg / L		3 µg / L	USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L		2 µg / L	USEPA Method No. 508
Isoproturon	< 1.0 µg / L		9 µg / L	USEPA Method No. 532
Malathion	< 10.0 µg / L		190 µg / L	USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L		0.3 µg / L	USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L		1 µg / L	USEPA Method No. 8141A
Phorate	< 0.10 µg / L		2 µg / L	USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/71	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/71(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°21'44.25"N
Location : 79°53'19.60"E
Details of Sample : Water sample collected from Govt Handpump, near House of Sunil Jat S/o Shri
Ramkesh Jat Village: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Sample collected by		SCS Representative		
Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water				
Total Coliform	8 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/72	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/72(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°17'36.40"N
79°57'51.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village & Post: Tighara, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	27.1°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.92	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.23	1	5	APHA (23rd Edition) 2130
Total Solids	638.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	14.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	624.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	937 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	75.20 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	45.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.96 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.03 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	34.02 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar
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ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

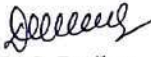
Sample ID No.: SCS/W/20220916/72	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/72(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°17'36.40"N
79°57'51.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village & Post: Tighara, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	30.63 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	56.42 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	320.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	328.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	71.47 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	12.65 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/72	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/72(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°17'36.40"N
Location : 79°57'51.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village & Post: Tighara, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L	20 µg / L		USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L	2 µg / L		USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L	0.03 µg / L		USEPA Method No. 508
α-HCH	< 0.01 µg / L	0.01 µg / L		USEPA Method No. 508
β-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
Butachlor	< 10.0 µg / L	125 µg / L		USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L	30 µg / L		USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L	30 µg / L		USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg / L	1 µg / L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L	0.4 µg / L		USEPA Method No. 508
Ethion	< 0.10 µg / L	3 µg / L		USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L	2 µg / L		USEPA Method No. 508
Isoproturon	< 1.0 µg / L	9 µg / L		USEPA Method No. 532
Malathion	< 10.0 µg / L	190 µg / L		USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L	0.3 µg / L		USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L	1 µg / L		USEPA Method No. 8141A
Phorate	< 0.10 µg / L	2 µg / L		USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,


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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/W/20220916/72	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/72(4/4)	Date of Report: 06.10.2022


TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°17'36.40"N
Location : 79°57'51.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Village & Post: Tighara, Tehsil: Simariya, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Sample submitted by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water				
Total Coliform	6 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/73	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/73(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°19'18.47"N
79°52'19.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Garhikhariya, Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	26.9°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.68	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.16	1	5	APHA (23rd Edition) 2130
Total Solids	885.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	881.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	1,314 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	113.60 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	59.98 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl- B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.46 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.04 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	49.57 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

[Signature]
Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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ISO-45001:2018 CERTIFIED LABORATORY

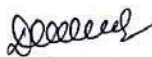
Sample ID No.: SCS/W/20220916/73	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/73(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°19'18.47"N
79°52'19.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Garhikhariya, Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	94.32 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	89.33 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	424.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	488.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	44.17 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	5.57 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/73	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/73(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°19'18.47"N
Location : 79°52'19.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Garhikhariya, Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L	20 µg / L		USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L	2 µg / L		USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L	0.03 µg / L		USEPA Method No. 508
α-HCH	< 0.01 µg / L	0.01 µg / L		USEPA Method No. 508
β-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
Butachlor	< 10.0 µg / L	125 µg / L		USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L	30 µg / L		USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L	30 µg / L		USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD	< 0.10 µg / L	1 µg / L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L	0.4 µg / L		USEPA Method No. 508
Ethion	< 0.10 µg / L	3 µg / L		USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L	2 µg / L		USEPA Method No. 508
Isoproturon	< 1.0 µg / L	9 µg / L		USEPA Method No. 532
Malathion	< 10.0 µg / L	190 µg / L		USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L	0.3 µg / L		USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L	1 µg / L		USEPA Method No. 8141A
Phorate	< 0.10 µg / L	2 µg / L		USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,

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



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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

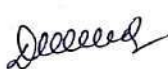
Sample ID No.: SCS/W/20220916/73	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/73(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°19'18.47"N
Location : 79°52'19.82"E
Details of Sample : Water sample collected from Govt Handpump, near Govt. School, Village:
Garhikhariya, Post: Sunwani Kalan, Tehsil: Amanganj, Dist.: Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water				
Total Coliform	7 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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

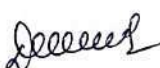
Sample ID No.: SCS/W/20220916/74	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/74(1/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°18'25.65"N
79°49'38.38"E
Details of Sample : Water sample collected from Govt Handpump, near house of Mr. Trilok
Singh S/o Shri Girka Singh, Village: Khamargaur, Post: Mohrai, Tehsil:
Hata, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Table 1: Organoleptic and Physical Parameters				
Temperature, °C	28.3°C	-	-	APHA (23rd Edition) 2550B
Color, Hazen Units	< 1	5	15	APHA (23rd Edition) 2120B
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7)
pH	6.68	6.5 – 8.5	No Relaxation	APHA (23rd Edition) 4500 H
Turbidity, NTU	0.18	1	5	APHA (23rd Edition) 2130
Total Solids	1,573.00 Mg/L	-	-	APHA (23rd Edition) 2540 B
Total Suspended Solids	< 5.00 Mg/L	-	-	APHA (23rd Edition) 2540 D
Total Dissolved Solids	1,571.00 Mg/L	500 Mg/L	2,000 Mg/L	APHA (23rd Edition) 2540 C
Electrical Conductivity	2,340 µS/cm	-	-	APHA (23rd Edition) 2510B
Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts				
Aluminum as Al	< 0.01 Mg/L	0.03 Mg/L	0.2 Mg/L	APHA (23rd Edition) 3111D
Ammonia	< 0.2 Mg/L	0.5 Mg/L	No Relaxation	IS 3025 (Part 34)
Boron as B	< 0.1 Mg/L	0.5 Mg/L	1.0 Mg/L	APHA (23rd Edition) 4500B-B
Calcium as Ca	340.80 Mg/L	75 Mg/L	200 Mg/L	APHA (23rd Edition) 3500 Ca B
Chloride as Cl	105.97 Mg/L	250 Mg/L	1,000 Mg/L	APHA (23rd Edition) 4500 Cl- B
Copper as Cu	< 0.01 Mg/L	0.05 Mg/L	1.5 Mg/L	APHA (23rd Edition) 3111B
Fluoride as F	0.66 Mg/L	1.0 Mg/L	1.5 Mg/L	APHA (23rd Edition) 4500 F D
Iron as Fe	0.07 Mg/L	0.3 Mg/L	No Relaxation	APHA (23rd Edition) 3111B
Magnesium as Mg	48.60 Mg/L	30 Mg/L	100 Mg/L	APHA (23rd Edition) 3500 Mg B
Manganese as Mn	< 0.01 Mg/L	0.1 Mg/L	0.3 Mg/L	APHA (23rd Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/74	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/74(2/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the Location : 24°18'25.65"N
79°49'38.38"E
Details of Sample : Water sample collected from Govt Handpump, near house of Mr. Trilok Singh S/o Shri Girka Singh, Village: Khamargaur, Post: Mohrai, Tehsil: Hata, Dist.: Panna (M.P.)
Sample collected by : SCS Representative

Parameter	Results	IS - 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Nitrate as NO ₃	47.99 Mg/L	45 Mg/L	No relaxation	APHA (23rd Edition) 4500 NO ₃ -B
Nitrite as NO ₂	< 0.01 Mg/L	-	-	APHA (23rd Edition) 4500 NO ₂
Oil & Grease	< 0.2 Mg/L	-	-	APHA (23rd Edition) 5520B
Phenolic Compounds as C ₆ H ₅ OH	< 0.001 Mg/L	0.001 Mg/L	0.002 Mg/L	APHA (23rd Edition) 5530C
Selenium as Se	< 0.01 Mg/L	0.01 Mg/L	No relaxation	APHA (23rd Edition) 3114B
Sulphate as SO ₄	602.50 Mg/L	200 Mg/L	400 Mg/L	APHA (23rd Edition) 4500 E
Sulphide as S	< 0.20 Mg/L	0.05 Mg/L	No relaxation	APHA (23rd Edition) 4500 E
Total Alkalinity as CaCO ₃	392.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2320
Total Hardness as CaCO ₃	1,052.00 Mg/L	200 Mg/L	600 Mg/L	APHA (23rd Edition) 2340 C
Zinc as Zn	< 0.01 Mg/L	5 Mg/L	15 Mg/L	APHA (23rd Edition) 3111B
Table 3: Parameters containing Toxic Substances				
Cadmium as Cd	< 0.003 Mg/L	0.003 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Cyanide	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 4500 CN C & E
Lead as Pb	< 0.01 Mg/L	0.01 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Mercury as Hg	< 0.001 Mg/L	0.001 Mg / L	No relaxation	APHA (23rd Edition) 3112B
Nickel as Ni	< 0.01 Mg/L	0.02 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Arsenic as As	< 0.005 Mg/L	0.01 Mg / L	0.05 Mg / L	APHA (23rd Edition) 3114B
Total Chromium as Cr	< 0.01 Mg/L	0.05 Mg / L	No relaxation	APHA (23rd Edition) 3111B
Total Phosphate	< 0.50 Mg/L	-	-	APHA (23rd Edition) 4500 PC
Sodium as Na	28.66 Mg/L	-	-	APHA (23rd Edition) 3500 B
Potassium as K	3.84 Mg/L	-	-	APHA (23rd Edition) 3500 B

Per pro SCS Enviro Services Pvt. Ltd.,


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



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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/W/20220916/74	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/74(3/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°18'25.65"N
Location : 79°49'38.38"E
Details of Sample : Water sample collected from Govt Handpump, near house of Mr. Trilok Singh
S/o Shri Girka Singh, Village: Khamargaur, Post: Mohrai, Tehsil: Hata, Dist.:
Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Pesticides Residues				
Alachlor	< 0.10 µg / L	20 µg / L		USEPA Method No. 525.2 & 507
Atrazine	< 0.10 µg / L	2 µg / L		USEPA Method No. 525.2 & 8141A
Aldrin / Dieldrin	< 0.03 µg / L	0.03 µg / L		USEPA Method No. 508
α-HCH	< 0.01 µg / L	0.01 µg / L		USEPA Method No. 508
β-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
Butachlor	< 10.0 µg / L	125 µg / L		USEPA Method No. 525.2 & 8141A
Chlorpyrifos	< 1.0 µg / L	30 µg / L		USEPA Method No. 525.2 & 8141A
δ-HCH	< 0.04 µg / L	0.04 µg / L		USEPA Method No. 508
2,4 Dichlorophenoxyacetic acid	< 1.0 µg / L	30 µg / L		USEPA Method No. 515.1
DDT (o,p and p, p isomers of DDT, DDE and DDD)	< 0.10 µg / L	1 µg / L		USEPA Method No. 508
Endosulphane (α, β and Sulphate)	< 0.10 µg / L	0.4 µg / L		USEPA Method No. 508
Ethion	< 0.10 µg / L	3 µg / L		USEPA Method No. 1657A
γ-HCH	< 0.10 µg / L	2 µg / L		USEPA Method No. 508
Isoproturon	< 1.0 µg / L	9 µg / L		USEPA Method No. 532
Malathion	< 10.0 µg / L	190 µg / L		USEPA Method No. 8141A
Methyl Parathion	< 0.10 µg / L	0.3 µg / L		USEPA Method No. 8141A
Monocrotophos	< 0.10 µg / L	1 µg / L		USEPA Method No. 8141A
Phorate	< 0.10 µg / L	2 µg / L		USEPA Method No. 8141A
Total poly Aromatic Hydrocarbon (PHAs)	< 0.0001 Mg / L	0.0001 Mg / L	No relaxation	APHA (23rd Edition) 6440

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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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

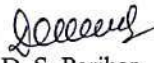
Sample ID No.: SCS/W/20220916/74	Date of Registration: 16.09.2022
Report No. SCS/JKCL/W/20220916/74(4/4)	Date of Report: 06.10.2022

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sampling : 20.09.2022
Date of start of testing : 23.09.2022
Date of end of testing : 06.10.2022
GPS Coordinates of the : 24°18'25.65"N
Location : 79°49'38.38"E
Details of Sample : Water sample collected from Govt Handpump, near house of Mr. Trilok Singh
S/o Shri Girka Singh, Village: Khamargaur, Post: Mohrai, Tehsil: Hata, Dist.:
Panna (M.P.)
Sample submitted by : SCS Representative

Parameter	Results	IS – 10500:2012		Protocol
		Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source	
Bacteriological Quality of Water				
Total Coliform	10 CFU	Shall not be detectable in any 100ml sample		IS 15185
E. Coli	Absent	Shall not be detectable in any 100ml sample		IS 15185

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
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Authorised Signatory



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Saurabh Kumar Yadav

From: Saurabh Kumar Yadav
Sent: 13 July 2022 17:57
To: Abhimanyu Singh; Abhinav Jain; Abhinav Jain3; Abhinav Soni; Abhishek Joshi2; Accounts Panna; Aditya Pratap Singh; Admin Panna; Alok Raj Goutam; Amandeep Singh Rana; Amber Mishra; Amit Dwivedi; Anil Badgotri; Anil Tiwari; Ankish Agrawal; Ankur Solanki; Anurag Pimpalwar; Arpan Dilipkumar Parekh; Arpit Sharma; Arun Kumar; Asad Hatimi; Ashawani Patkar; Ashish Asopa; Ashish Kumar Lall; Ashish Kumar Tiwari2; Aswar Mayur Laxmanbhai; Avik Garg; Avinash Yadav; Bhagwan Singh Shekhawat; Bhupendra Hazari; Brijesh Kumar Godha; Chandrabushan Goswami; Chandrakant Dhandale; Dayaram Vishnoi; Devesh Khanna; Dharmendra Kumar Mishra; Dheerendra Pratap Singh; Dinesh Kumar Mishra; Dipesh Shrimali; Eswaran S; Gajendra Indora; Garun Kumar Tiwari; Gaurav Chhajer; Gaurav Chourasia; Gaurav Kumar Singh; Gaurav Sharma3; Girdharilal Godara; Gouranga Khanra; Govind Kumar; Hareesh Kumar Mishra; Hari Narayan Joshi; Hazarat Ali; Head Security Panna; Himanshu Tripathi1; HN Indrajith; Indrasen Singh; Irfan Khan; ITSupport Panna; Kamlakar Tiwari; Krishna Kumar Sandiyal; Krishna Pal Singh1; Kuldeep Jain; Kumar Sambhavam; Mahendra Joshi; Manas Ranjan Chand; Mangal Nayak; Manoj Bohra; Manoj Kumar Madan; Manoj Kumar Pandey; Manoj Kumar Pareek; Md Shakeel; Mrinal Singh; Mukesh Soni; N Sakthi Aravind Rajan; Naman Soni; Narendra Gayakawad; Nazrul Islam; Nidhi Singh; Nikhil Prakash; Nikhil Sharma1; Nitesh Kumar2; Nitesh Shrivastava; Nitin Shrivastava; Prabhat Kumar Tiwari2; Pradeep Kumar Sharma; Prashant Kumar Shrivastava; Pravin Kumar Mishra; Pravin Singh Panwar; Puneet Choudhary; Punit Somani; Quality Control Panna; Rahul Chhabria; Rahul Jain1; Rajiv Ranjan; Rajneesh Sharma; Rajnish Rawat; Ramji Tiwari; Ranjay Kumar Roy; Reetesh Kumar; Ripudaman Singh Rathore; Rishi Ranjan Kumar Singh; Ritik Dubey; Safikul Mallick; Sandeep Kumar Trivedi; Sandeep Moyal; Sandip Patel; Sangeet Nema; Sanjay Purohit; Sanjay Singh; Sanjeev Kumar Bharti; Santosh Kumar Singh; Sarvendra Kushwaha; Satish Garg; Satyam Dwivedi; Satyam Rathi; Saurabh Kumar Yadav; Saurabh Singh; Shahid Khan; Shankar Singh Kushwaha; Shivam Dixit1; Shivendra Mishra; Shubhansh Chaturvedi; Shweta Pradeep Yemdey; Shyam Pareek; Sonu Kumar Gupta; Sourabh Singh; Subhash Pandey; Sudhir Kumar Sharma; Sumer Singh Jain; Sunil Kumar Sharma3; Suraj Chauhan; Surendra Singh; Talent Panna Project; Tanveer Singh Chouhan; Tarun Dutt Pachori; Tarun Jain; Thirunavukkarasu Murugesan; Vaibhav Sharda; Ved Prakash Sharma; Vijay Singh; Vikas Hirwani; Vishwaraj Krishnawat; Vivek kumar Tripathi; Vivek Singh2; Yogesh Kumar Pandey; Yogesh Rajpurohit; Yograj Baburao Waghaye; Vivek Kumar; Prashant Kumar Jha; Buildwell Jaykay; kbjkpanna@gmail.com; karniconstruction111@gmail.com; shreeramassociates02sra@gmail.com; ankit.ns5536@gmail.com; moneydthingra79@gmail.com; Interspace Design; sandeep.asiatic@gmail.com; panchal.mukesh@hapbcoudr.co.in; hse.jkpanna@hapbcoudr.co.in; Praveen Nair; 'Monomark- Panna'; SUMIT-ENGG INDIA PRIVATE LIMITED; Rahul Shantaram Hiware; smimran0326@gmail.com; SEIPL JCL-PANNA; anjan.singh@thermaxglobal.com
Cc: Anil Badgotri; Anil Kumar Jain; Arpan Dilipkumar Parekh; Manoj Kumar Madan; Pravin Kumar Mishra
Subject: Office order regarding Ban on Usage of Single Use Plastic (SUP) Items in Jaykaycem (Central) Limited, Panna premises
Attachments: DocScanner 13 Jul 2022 12-05.pdf

Dear all

Kindly co-operate in compliance with below mentioned office order:

JAYKAYCEM (CENTRAL) LIMITED, AMANGANJ (PANNA)

For Inter Departmental Use

Order no.: JAYKAYCEM/PANNA/ENVIRONMENT/OFFICE ORDER/01

DATE 13.07.2022

From:	To:
VICE-PRESIDENT (P&C)	ALL CONCERNED

OFFICE ORDER

This is to inform all concerned that as per Ministry of Environment, Forest & Climate Change notification no. G.S.R. 571 (E) dated 12.08.2021 and as rule 4(2) of PWM Rules, 2016 (as amended), "The manufacture, import, stocking, distribution, sale and use of following single use plastic (SUP), including polystyrene and expanded polystyrene, commodities shall be prohibited with effect from 01.07.2022:

- (a) Ear buds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice cream sticks, polystyrene [Thermocol] for decoration;
- (b) Plates, cups, glasses, cutlery such as forks, spoons, knives, straw, trays, wrapping or packing films around sweet boxes, invitation cards, and cigarette packets, plastic or PVC banners less than 100 micron, stirrers.

To support the above said rule and ban of single use plastic (SUP) in the country, Jaykaycem (Central) Limited, Panna is also decided that above said single use plastic items will not be purchased and used in our factory premises including residential area. However, if anyone is found to use single use plastic (SUP), they will be fined up Rs. 500/-.

Kindly co-operate in above said compliance, please.

Best wishes,



Anil Badgotri

V.P. (P&C)

Thanks & Regards,

Dr. Saurabh Kumar
Dy. General Manager (Environment)



Jaykaycem Central Limited
Village- Harduwaken, Tahsil- Amanganj,
District- Panna

Email- saurabh.yadav1@jkcement.com Web:- www.jkcement.com

Mob.:- +91 9686502172

JAYKAYCEM CENTRAL LIMITED, PANNA

PICTURES ON AWARENESS ON SINGLE USE PLASTIC BAN



