

Ref. No.: JAYKAYCEM/ENV./EC/KAKRA/03/06

Dated: 06.05.2023

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

Subject: Submission of Half Yearly Environmental Clearance Compliance Status Report for period from October 2022 to March 2023 for M/s Kakra-Panna Limestone Mine of Jaykaycem Central Limited for production of 4.08 MTPA Limestone, 1.51 MTPA interburden, 1.26 MTPA Soil/Alluvium, 0.18 MTPA Mine waste and 0.58 MTPA sub-grade mineral [Total Excavation 7.61 MTPA], located at Villages Kakra, Kamtana, Saptai, Judi, Devri Purohit and Devra, Tehsil Amanganj, District Panna, Madhya Pradesh (ML Area- 1594.34 Ha).

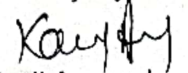
Ref.: 1- Environment Clearance vide no J-11015/190/2016-IA.II (M) dated 31.08.2020
2- MoEF & CC notification no. S.O. 5845 (E) 26.11.2018

Dear Sir,

With reference to above stated Environment Clearance (EC) and MoEF & CC notification no. S.O. 5845 (E) 26.11.2018, we are sending soft copy of Half Yearly Environmental Clearance Compliance Status Report for period from October 2022 to March 2023 M/s Kakra-Panna Limestone Mine of Jaykaycem Central Limited, located at Villages Kakra, Kamtana, Saptai, Judi, Devri Purohit and Devra, Tehsil Amanganj, District Panna, Madhya Pradesh through email and same has been uploaded to MoEF & CC Portal for your kind information and record please.

Thanking you,

Yours Sincerely
For: Jaykaycem (Central) Limited


Kapil Agarwal
(Unit Head)

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

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

Corporate Office

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

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

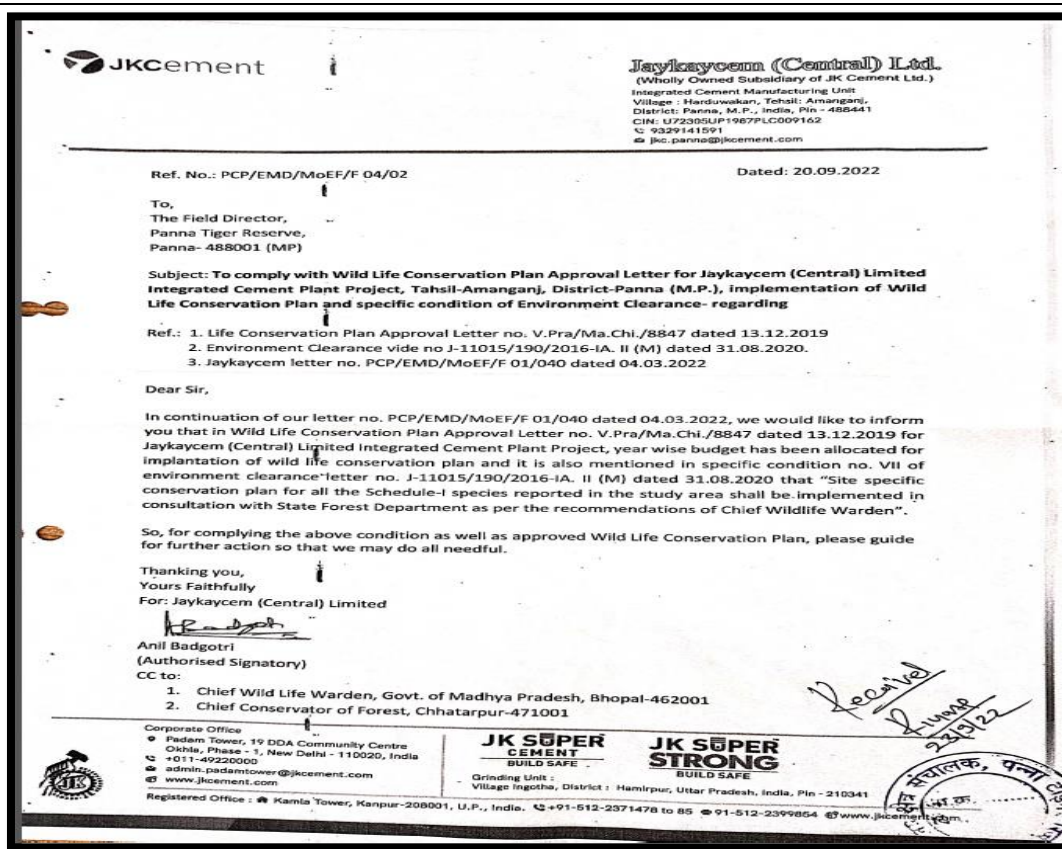
Environmental Clearance to M/s Kakra-Panna Limestone Mine of Jaykaycem Central Limited for production of 4.08 MTPA Limestone, 1.51 MTPA inter-burden, 1.26 MTPA soil/Alluvium, 0.18 MTPA Mine waste and 0.58 MTPA sub-grade mineral [Total Excavation 7.61 MTPA], located at Villages Kakra, Kamtana, Saptai, Judi, Devri Purohit and Devra, Tehsil Amanganj, District Panna, Madhya Pradesh (ML Area- 1594.34 Ha)		
Environment Clearance vide no F. No. J-11015/190/2016-IA. II (M) dated 31st August 2020 and Corrigendum in EC vide letter No. J-11015/190/2016-IA.II (M) dated 8th March, 2021		
Specific Condition		
I.	Mining shall be restricted to the land already acquired near the Judi Village (about 235 ha). Meanwhile the PP may acquire the land, modify the mining sequence to avoid the void in west side of Dewra Village and approach the Ministry for re-validation or amendment in environmental clearance for permission for the entire area proposed for mining within the ML area	Agreed. However, we are applying for amendment in EC with following statement: This condition was imposed due to litigations filed at NGT, Lok Adalat Panna and at High Court of M.P. The final outcome of the litigation at High Court, M.P. was pending during the Final EAC meeting held on 22nd to 24th July, 2020. However, NGT case on the same matter had been disposed off in the favour of our company and considering this, EAC/ Ministry had granted the EC with a Condition to start mining with available land of 235 ha and approach the Ministry for revalidation/ amendment in EC once High Court case is disposed off and continue to purchase the land. Now, all the cases have been disposed off and the outcomes are in our favour and we are continuously purchasing the land & as on date we have possession of 341 ha land. There is no change in Production Capacity, Land area, Mining equipment and Mining Technology; all the declarations, undertakings, EIA/EMP report, Public hearing action plan submitted during detailed deliberations for earlier granted EC dated 31st August, 2023 are same as per the earlier proposal.
II.	The safety barrier of 100 m against the village / Habitation; 45 m on either side of the Nallah; 50 m on either side of the village roads shall be left as non-mining zone and thick green belt shall be developed with native species before commencement of mining operations in the area	Agreed. The safety barrier of 100 m against the village / Habitation; 45 m on either side of the Nallah; 50 m on either side of the village roads will be left as non-mining zone and thick green belt will be developed with native species before commencement of mining operations in the area.
III.	No mining shall be carried up to 250 m distance from the bank of Ken River and an embankment of not less than 3 m height above the HFL shall be constructed and thick green belt shall be developed with native species before commencement of mining operations in the area	Agreed. No mining will be carried up to 250 m distance from the bank of Ken River and an embankment of not less than 3 m height above the HFL shall be constructed and thick green belt shall be developed with native species before commencement of mining operations in the area
IV.	The PP shall adopt control basting with necessary permission from the Director General of Mines Safety within 300 m	Agreed and will be followed during mining operation.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

	from the village / Habitation boundary and non-conventional mining with ripper dozer or other mechanical means by avoiding the blasting within 100 m from the village / Habitation boundary. Thick plantation with native and broad-leaved species shall be developed in the safety barrier left against the Habitations before commencement of mining operations in the area.	
V.	The ground induced blasting vibrations shall be monitored regularly for every blast performed and the values of "Peak Particle Velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by the DGMS, from time to time.	Agreed and will be followed during mining operation.
VI.	No external dumping of overburden and/or sub-grade material shall be made outside the mining lease area	Agreed. No external dumping is proposed for the subject proposal. Concurrent backfilling is proposed from 3 rd year onwards.
VII.	Site specific conservation plan for all the Schedule-I species reported in the study area shall be implemented in consultation with State Forest Department as per the recommendations of Chief Wildlife Warden	Agreed and being done. Conservation plan has been approved by Chief wild life warden of MP for schedule-I species of the area and we are following up to Forest/Wild Life Department for its implementation (Follow up letter copy is given below.)

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023
Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023



VIII.	Total Excavation shall not be exceeded to 7.61 which includes 4.08 MTPA Lime Stone, 0.58 MTPA sub-grade limestone, 1.51 MTPA Inter burden, Soil/Alluvium 1.26 MTPA, Mine Waste 0.18 MTPA.	Agreed and will be followed during mining operation.
IX.	Plantation shall be carried out as per the mining plan both concurrent and closer phase reclamation, inter alia, including plantation all along the boundary of the mining lease shall be completed within 2 years of commencement of mining operations, with a saplings of native and broad leaved species of not less than 12 feet and shall maintain the record of the same, gap plantation and grassing as per the directions of the Hon'ble Supreme Court	Agreed and it will be done as per approved mining plan. We have started plantation all along the boundary of mining lease area.
X.	The project proponent shall implement the commitments made on the issues raised in PH and activities proposed under CER, in a period of three years and record for the same shall be maintained and audited and reported to the Regional Office of the Ministry along with the compliance reports	Agreed. The commitments made on the issues raised in PH and activities proposed under CER are being executed. The record of the same is being maintained (CER expenditure is given below.)

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

Corporate Environment Responsibility (CER) Expenditure Report of Kakra-Panna Limestone Mine		
S.No.	Activities	CER Expenditure (In Lakh)
1	Health (Infrastructure for Primary Health Center, Mobile Health Clinic, Veterinary Hospitals/ Dispensaries)	181.93
2	Actions for COVID-19 (Supply of Hospital beds, Ventilator, Sanitation equipment, PPE Kits, Body Temperature Scanner, etc.)	
3	Education (Construction/ Extension/ additional facilities e.g. Laboratory, Library, Computer class, Toilets, Drinking Water Facilities etc. for village schools)	36
4	Drinking Water Facilities (Hand Pumps, Wells, Tap Water, Water Storage Tanks, Deepening & Cleaning of Ponds, Roof Top Rain Water Harvesting Structure etc.)	13.81
5	Greenery Development Nearby Area - Free distribution of Saplings or seedlings for fruit or non-fruit bearing trees. Community Plantation drive in surrounding villages. Expert guidance to local farmers for adoption of improved agriculture practices to increase of yield of crops & Fodders, Cattle Farming etc.	118.9
6	Others Local Social Needs (Expenditure on Social irrigation)	32.51
7	Sanitation (Construct Community Toilets, Construct Drainage System, Solid Waste Management etc.)	10.19
8	Activity Centre for SHGs. SHGs planned for tailoring, production of daily need items, etc. Same facility shall be used for Skill Development Training for women as well. eg. Beautician course, handicraft etc.	0
9	Infrastructure (Concrete Roads, Electrification including Solar Power, Panchayat Bhawan, Community Centers, etc.)	0
	Total	393.34
XI.	All the mitigation measures committed / envisaged in the EIA/EMP report and subsequent submission shall be implemented.	Agreed. The proposal of mitigation measures for control of pollution will be implemented effectively.
XII.	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the	Agreed.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

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	direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	As per proposal re-grassing the mining area and any other area which may have been disturbed due to other mining activities will be undertaken and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. after ceasing mining operations to comply with direction of honorable supreme court.
B. Standard EC Conditions:		
I. Statutory compliance		
1)	The EC granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc. required to be obtained or standards / conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.	Agreed and noted for compliance.
2)	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 & to be complied during mining operation
3)	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Agreed. The subject proposal is green field project. The mining activity will be done in the land which is already purchased and registered in the name of company.
4)	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (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".	We have been granted mining lease area after leaving of habitation and villages part. However we assure that we will follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29 th 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".
5)	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.	The copy of EC letter has been provided to concerned Panchayat vide letter No. PN/EMD/CWLA/F 12/012, dated 05.09.2020 and copy of the same already send to all concerns on 07.09.2020 (Copy of acknowledgement is given below.)

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023
Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

Annexure-3

Jaykaycem (Central) Ltd.
GSTIN-23AABCJ4401G2Z6
Ref. No. PN/EMD/CWLA/F 12/022
प्रति,

मुख्य कार्यपालन अधिकारी
जिला पंचायत, पन्ना
जिला पन्ना (म०प्र०)

विषय-पर्यावरण अनुमति सूचना-पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय भारत सरकार नई दिल्ली ने मेसर्स जेकेसेम(सेन्ट्रल) लिमिटेड की प्रस्तावित चूना पत्थर खनन परियोजना ग्राम-ककरा, कमताना, सप्तई, जूडी, देवरी पुरोहित एवं देवरा तहसील-अमानगंज, जिला-पन्ना (म०प्र०)।

संदर्भ- पर्यावरण स्वीकृति पत्र क्रमांक J-11015/190/2016-IA.II (M), दिनांक 31.08.2020।

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-ककरा, कमताना, सप्तई, जूडी, देवरी पुरोहित एवं देवरा तहसील-अमानगंज, जिला-पन्ना (म०प्र०) की प्रस्तावित चूना पत्थर खनन परियोजना के लिए पर्यावरण अनुमति प्रदान की गई है।

वास्ते जेकेसेम (सेन्ट्रल) लिमिटेड
(Signature)
(आदित्य प्रताप सिंह)
महाप्रबन्धक-परियोजना


संलग्नक- पर्यावरण स्वीकृति पत्र क्रमांक J-11015/190/2016-IA.II (M), दिनांक 31.08.2020
प्रतिलिपि-

1. सरपंच/सचिव ग्राम पंचायत सिधोरा (ग्राम ककरा व सप्तई) जिला पन्ना (म०प्र०)
2. सरपंच/सचिव ग्राम पंचायत कमताना (ग्राम कमताना) जिला पन्ना (म०प्र०)
3. सरपंच/सचिव ग्राम पंचायत पगरा (ग्राम जूडी) जिला पन्ना (म०प्र०)
4. सरपंच/सचिव ग्राम पंचायत बिल्हा (ग्राम देवरी पुरोहित) जिला पन्ना (म०प्र०)
5. सरपंच/सचिव ग्राम पंचायत देवरा (ग्राम देवरा) जिला पन्ना (म०प्र०)


6)	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	The condition is related to SPCB.
7)	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 of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement	The advertisement about the grant of EC letter for the project has been published in two local newspapers namely Dainik Jagran and Raj Express dated 04.09.2020 and copy of the same already send to all concerns on 07.09.2020. (Copy of advertisement is given below.)

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023
Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

may be forwarded to the concerned MoEFCC Regional Office for compliance and record.



उत्तरप्रदेश साहित्य अकादमी



पन्ना साहित्य अकादमी

जनसूचना

सर्वसाधारण को सूचित किया जाता है कि जे.के. सेम (सेन्दल) लिमिटेड को लाइमस्टोन माइन्स जो कि ग्राम ककरा, कमताना, सप्तई, जुड़ी, देवरी पुरोहित एवं देवरा, तहसील अमानगंज, जिला पन्ना में अवस्थित है, को 1594.34 हेक्टेयर क्षेत्रफल (विभिन्न खसरा नं.) के लिए पर्यावरणीय स्वीकृति, पर्यावरण एवं वन, जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक F.No. J-11015/190/2016-IA(M) के द्वारा दिनांक 31.08.2020 को मिल गयी है। पर्यावरणीय स्वीकृति की कॉपी राजकीय प्रदूषण बोर्ड के कार्यालय में भी उपलब्ध है तथा इसे www.parivesh.nic.in पर भी देखा जा सकता है।

प्रोजेक्ट अधीन
जे.के. सेम (सेन्दल) लिमिटेड
अमानगंज, पन्ना (म.प्र.)

राज एक्सप्रेस

पन्ना एक्सप्रेस

संख्या 4 सितंबर 2020

12

:- जन सूचना:-

सर्व साधारण को सूचित किया जाता है कि जे.के.सेम(सेन्दल) लिमिटेड को लाइमस्टोन माइन्स जो कि ग्राम ककरा, कमताना, सप्तई, जुड़ी, देवरी पुरोहित एवं देवरा तहसील अमानगंज जिला पन्ना में अवस्थित है, को 1594.34 हेक्टेयर क्षेत्रफल (विभिन्न खसरा नं.) के लिए पर्यावरणीय स्वीकृति, पर्यावरणीय एवं वन, जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक F-NO.J.11015/190/2016-IA(M) के द्वारा दिनांक 31.08.2020 को मिल गई है। पर्यावरणीय स्वीकृति की कॉपी राजकीय प्रदूषण बोर्ड के कार्यालय में भी उपलब्ध है तथा इसे www.parivesh.nic.in पर भी देखा जा सकता है।

प्रोजेक्ट अधीन
जे.के.सेम(सेन्दल) लिमिटेड अमानगंज जिला पन्ना (म.प्र.)

8)	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 than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Agreed and shall be complied if applicable in future.
II. Air quality monitoring and preservation		
9)	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	Agreed. We have installed 02 Nos. Continuous Ambient Air Quality Monitoring Station (CAAQMS) close to boundary of mine lease, out of minimum 03 Online Ambient Air Quality Monitoring Stations requirement. 01 Nos. CAAQMS is being purchased.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

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. B-29016/20/90/PCI/I dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone.

The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.

The ambient air quality in core zone and buffer zone is also being monitored by NABL approved lab (Monitoring reports are given below).

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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



NAABLAB RECOGNIZED LABORATORY FOR ISO 15189
ISO 15189:2013 CERTIFIED LABORATORY
ISO 14001:2015 CERTIFIED LABORATORY
ISO 9001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20230112/13 Date of Registration: 12.01.2023
Report No. SCS/JKCL/AAQ/20230112/13 Date of Report: 25.01.2023

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Monitoring : 15.01.2023
Date of start of testing : 17.01.2023
Date of end of testing : 25.01.2023
Duration of sampling : 24 Hrs.
Type of Industry : Cement Industry
GPS Coordinates of the Location : 24°21'15.21"N
Ambient Temperature : 79°57'03.47"E
Name of Location : 18.9°C
Kakra -Panna Mines,
Near house of Vishnu Kant S/o Shri Badri Prasad, Village: Kakra, Post: Kamtana,
Tehsil: Amanganj, Dist.: Panna (M.P.)
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x, CO

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM ₁₀)	50.1 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	30.9 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.4 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	8.3 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

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

Mo.: 9414080354, 9166770354, Fax: 0141-2523723, E-mail: scsenviroservices@gmail.com, dparihar@scsenviro.in, Website: www.scsenviro.in

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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



NAABLAB RECOGNIZED LABORATORY FOR ISO 15189
ISO 15189:2013 CERTIFIED LABORATORY
ISO 14001:2015 CERTIFIED LABORATORY
ISO 9001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20230112/15 Date of Registration: 12.01.2023
Report No. SCS/JKCL/AAQ/20230112/15 Date of Report: 25.01.2023

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Monitoring : 15.01.2023
Date of start of testing : 17.01.2023
Date of end of testing : 25.01.2023
Duration of sampling : 24 Hrs.
Type of Industry : Cement Industry
GPS Coordinates of the Location : 24°21'11.23"N
Ambient Temperature : 79°59'58.93"E
Name of Location : 20.3°C
Near house of Prem Singh S/o Shri Khilavan Singh, Village & Post: Pagra, Tehsil:
Amanganj, Dist.: Panna (M.P.)
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x, CO

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM ₁₀)	53.8 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	32.0 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	10.5 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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Mo.: 9414080354, 9166770354, Fax: 0141-2523723, E-mail: scsenviroservices@gmail.com, dparihar@scsenviro.in, Website: www.scsenviro.in

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023
Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

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

Sample ID No.: SCS/AAQ/20230112/16
 Report No. SCS/JKCL/AAQ/20230112/16

Date of Registration: 12.01.2023
 Date of Report: 25.01.2023

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
 Address of Client : Village: Harduakan, Tehsil: Amanganj, Dist: Panna (M.P.)
 Date of Monitoring : 15.01.2023
 Date of start of testing : 17.01.2023
 Date of end of testing : 23.01.2023
 Duration of sampling : 24 Hrs.
 Type of Industry : Cement Industry
 GPS Coordinates of the Location : 24°18'59.96"N
 Ambient Temperature : 79°58'23.84"E
 Name of Location : Near house of Ramesh Chand Yadav S/o Kellie Yadav, Village & Post: Sotipura,
 Tehsil: Amanganj, Dist: Panna (M.P.)
 Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x, CO

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM ₁₀)	55.9 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	33.0 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	11.5 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

Dr. D'S. Parihar

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10)	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metaled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board	Agreed and to be complied. Still our mine is not in operation. However, we have purchased water tanker for water sprinkling on haulage road to control the dust emission.
-----	---	---

III. Water quality monitoring and preservation

11	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area	Complied. The NOC form CGWA has already been obtained vide no. CGWA/NOC/ MIN/ORIG/2020/7359 dated 05.02.2020 for use of ground water as well as for intersection of water table during the course of mining operation (Copy of NOC is given below.)
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Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023



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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Kakra Kamtana Limestone Mining Lease		
Project Address:	Jaykaycem (central) Ltd., Village Kakra, Kamtana, Saptai, Judi, Devri Purohit, Devra,		
Village:	Kakra	Block:	Gunour
District:	Panna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	Jaykaycem (central) Limited, My Home Residency, Opposite Essar Petrol Pump, Katni Road, Amanganj, 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/2020/7359												
2. Application No.:	21-4/864/MP/MIN/2019					3. Category:	GWRE (2020)						
4. Project Status:	New Project					5. NOC Type:	Extension						
6. Valid from:	03/02/2022					7. Valid up to:	02/02/2024						
8. Ground Water Abstraction Permitted:													
Fresh Water				Saline Water				Dewatering				Total	
m ³ /day		m ³ /year		m ³ /day		m ³ /year		m ³ /day		m ³ /year		m ³ /year	
20.00		7300.00				3913.69		1428496.85		3933.69		1435797.00	
9. Details of ground water abstraction /Dewatering structures													
Total Existing No.:1							Total Proposed No.:0						
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*	0	0	1	0	0	0	0	0	0	0	0	0	0
Dewatering Structure*	0	0	0	0	0	0	0	0	0	0	0	0	4
*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.):							3589493						
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					

1811, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 1811, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23381051, 23386743
Website: cgwa-noc.gov.in

पानी बचाव - जीवन बचाव
SAVE WATER - SAVE LIFE

(Compliance Conditions given overleaf)
This is an auto generated document & need not to be signed.

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

- 1) 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).
- 2) 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).
- 3) All new as well as existing ground water abstraction/ de-watering structures shall be fitted with digital water flow meters by the firm at its own cost immediately on completion of their construction or grant of NOC as the case may be. In case of renewal of NOCs, all existing ground water abstraction structures shall continue to be fitted with digital water flow meters. Intimation of installation of flow meters shall be sent by the proponent to the Regional Director of CGWB within 6 months of grant of NOC. Daily ground water abstraction data shall be monitored / continue to be monitored (in case of renewal) by the firm and recorded in a log book. Details of month-wise ground water abstraction shall be submitted to the Regional Director, CGWB, once every year.
- 4) In case the ground water abstraction is more than 10 m³/day, monthly water level monitoring data shall be maintained and submitted annually to the Regional Office of CGWB. Wherever groundwater withdrawal is more than 500 m³/day the firm shall install telemetry system in one of the piezometers and share USER ID and password of the telemetry system with the Regional Director, CGWB.
- 5) In case ground water abstraction is more than 10 m³/day, ground water quality shall be monitored once in a year (during pre-monsoon period) and the report submitted to the Regional Office, CGWB. Wherever the extraction is less than 10 m³/day, ground water quality report shall be submitted by the proponent at the time of submission of self-compliance report.
- 6) Ground water augmentation measures, as stipulated in the NOC, shall be implemented (in new cases) / continue to be maintained (in case of renewal) in consultation with the concerned Regional Director, CGWB.
- 7) Proof of recharge water harvesting structures constructed (photographs of structures) shall be submitted to the concerned Regional Director, CGWB within 6 months from the date of issue of NOC. The firm shall also undertake periodic maintenance of recharge structures at its own cost.
- 8) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises falling within which the firm shall be responsible for any consequences arising thereupon.
- 9) 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.
- 10) The firm shall optimize water use through recycling/ reuse of waste water after proper treatment.
- 11) Whenever 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.
- 12) 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.
- 13) 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.
- 14) 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.
- 15) This NOC is subject to prevailing Central/State Government rules/laws/orders 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.
- 16) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 17) 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.
- 18) 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.
- 19) 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.

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

- 12) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.

Agreed and complying. We are monitoring and maintaining records w.r.t. ground water level and quality in and around the mine lease **(Reports are given below).**

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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

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

Sample ID No.: SCS/WL/20230112/32-34 Date of Registration: 12.01.2023
Report No. SCS/JKCL/WL/20230112/32-34 Date of Report: 25.01.2023

TEST REPORT

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

Details of Well	Date of Monitoring	Water level in meter	Protocol
Village: Pagra (Dug Well) N 24°21'08.34" E 79°59'59.59"	14.01.2023	3.381 meter	Water Level Indicator
Village: Kalra (Borewell) N 24°21'14.25" E 79°57'04.29"	14.01.2023	17.559 meter	Water Level Indicator
Village: Kamtana (Borewell) N 24°23'00.23" E 79°57'17.29"	14.01.2023	26.610 meter	Water Level Indicator

For pro SCS Enviro Services Pvt. Ltd.,
Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory

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Mo.: 9414080354, 9166770354, Fax: 0141-2523723, E-mail: scsenviro@gmail.com, dsparihar@scsenviron.in, Website: www.scsenviro.in

Ultimate ENVIRONMENTAL SOLUTIONS

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

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

Format No. : UES/FORM/00

Rep. No. 08325

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	pH Value at 25.3°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.52
2	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
3	Taste	-	IS:3025:(Part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS:3025:(Part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	258
6	Conductivity	µS/Cm	IS:3025:(Part-14)	-	-	430.2
7	Turbidity	NTU	IS:3025:(Part-10)	1	5	0.78
8	Total Alkalinity (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200	600	168
9	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200	600	186
10	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75	200	52.10
11	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	30	100	13.60
12	Sodium	mg/L	IS:3025:(Part-45)	-	-	8.06
13	Potassium	mg/L	IS:3025:(Part-45)	-	-	1.74
14	Nitrate (as NO ₃)	mg/L	IS:3025:(Part-34)	45	No Relaxation	18.22
15	Total Phosphate	mg/L	IS:3025:(Part-31)	-	-	N.D.
16	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250	1000	47.9
17	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200	400	40.2
18	Fluoride (as F)	mg/L	IS:3025:(Part-60)	1	1.5	0.12

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Format No. : UES/FORM/00

Rep. No. 08325

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
19	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05	No Relaxation	N.D.
20	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025:(Part-43)	0.003	0.002	N.D.
21	Arsenic (as As)	mg/L	IS:3025:(Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS:3025:(Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS:3025:(Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS:3025:(Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025:(Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS:3025:(Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS:3025:(Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS:3025:(Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS:3025:(Part-53)	0.3	No Relaxation	0.15
31	Manganese (as Mn)	mg/L	IS:3025:(Part-58)	0.1	0.3	N.D.
32	Total Coliform	NPR/100ml	IS:1622:1981: RA:2019	Shall not be detectable in any 100 ml sample		Absent

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The above analytical report refers to the particular sample received at our end and the use of the report for publication, arbitration or as legal evidence is forbidden.

Test sample will be retained for 15 days after issuing of the report unless otherwise agreed with customer.

This is the information as the party has stated for record.

For ULTIMATE ENVIRONMENTAL SOLUTIONS


REVIEWED BY: 13/01/23

AUTHORIZED SIGNATORY: Subhajeet

End of the test report

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023
Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

Format No.: UES/FORM/09



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Name & Address of The Customer

To,
M/s Jaykaycem (Central) Ltd.
Village Harduaken,
Tehsil - Amanganj,
District - Panna (M.P.)

Report No. UES/TR/22-23/08327
Lab Ref No. UES/22-23/W/016628
Date of Sampling 09/01/2023
Date of Receipt 10/01/2023
Date of Report 13/01/2023
Date of Analysis Start: 10/01/2023 End: 13/01/2023

SAMPLE DETAILS

Customer Ref. No. & Date Verbal Communication, Dated: 07/01/2023

Customer Sample Id / Sampling Location Puraina Village Buffer Zone (Boat Wall near Ramman Temple)

Latitude 24°20'22.92"N
Longitude 79°58'18.79"E

Sample Type Ground Water
Packing of Sample Jerry can (Approx. 3 Ltr.)
Other Details Glass Bottle (Approx. 1 Ltr.) Sealed

Sample Condition At Receipt OK
Sample Collected By Laboratory Chemist
Quantity Received Approx 5 Ltr. each


Rep. No. 08327

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible Limit	
1	pH Value at 25.3°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.37
2	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
3	Taste	-	IS 3025 (part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025 (part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	290
6	Conductivity	µS/Cm	IS 3025: (Part-14)	-	-	483.9
7	Turbidity	NTU	IS 3025: (Part-10)	1	5	0.68
8	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	170
9	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	192
10	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	53.70
11	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	14.09
12	Sodium	mg/L	IS 3025: (Part-45)	-	-	8.10
13	Potassium	mg/L	IS 3025: (Part-45)	-	-	1.88
14	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	22.49
15	Total Phosphate	mg/L	IS:3025: (Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	42.9
17	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	49.3
18	Fluoride (as F)	mg/L	IS 3025 (part-60)	1	1.5	0.19

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

Format No.: UES/FORM/09



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Rep. No. 08327

TEST REPORT


SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible Limit	
19	Cyanide (as CN)	mg/L	IS:3025: (Part-27)	0.05	No Relaxation	N.D.
20	Phenolic Compound (as C6H5OH)	mg/L	IS 3025 (Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025 (Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025 (Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025 (Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025 (Part-42)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025: (Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025 (Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025 (Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025 (Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025 (Part-53)	0.3	No Relaxation	0.17
31	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1622:1981: 09:2019	Shall not be detectable in any 100 ml sample		Absent

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


REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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- Test sample will be returned for 15 days after completion of test report unless otherwise agreed with customer.
- This is for information as the party has asked for documentation only.



17/01/23
REVIEWED BY




For ULTIMATE ENVIROLYTICAL SOLUTIONS
SUBJECT
AUTHORIZED SIGNATORY

End of the test report

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023
Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

Format No. : UES/FORM/09



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

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

To,
M/s Jaykaycem (Central) Ltd.
Village Harduaken,
Tehsil - Amanganj,
District - Panna (M.P.)

Report No. : UES/TR/22-23/08328
Lab Ref No. : UES/22-23/W/016629
Date of Sampling : 09/01/2023
Date of Receipt : 10/01/2023
Date of Report : 13/01/2023
Date of Analysis : Start: 10/01/2023 End: 13/01/2023

SAMPLE DETAILS

Customer Ref. No. & Date	Verbal Communication, Dated: 07/01/2023		
Customer Sample Id / Sampling Location	Panna Village Buffer Zone (Govt. Hand Pump near Shad Khan House)	Latitude	24°21'09.04"N
		Longitude	79°58'58.79"E
Sample Type	Ground Water	Sample Condition At Receipt	OK
Packing Of Sample	Jerry can (Approx. 3 Ltr.) Glass Bottle (Approx. 1 Ltr. x2)	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx 5 Ltr. each


Rep. No. 08328

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
1	pH Value at 25.3°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.51
2	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
3	Taste	-	IS 3025 (part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025 (part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	289
6	Conductivity	µS/Cm	IS 3025: (Part-14)	-	-	482.3
7	Turbidity	NTU	IS 3025: (Part-10)	1	5	0.98
8	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	172
9	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	188
10	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	52.50
11	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	13.85
12	Sodium	mg/L	IS 3025: (Part-45)	-	-	8.26
13	Potassium	mg/L	IS 3025: (Part-45)	-	-	1.90
14	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	15.82
15	Total Phosphate	mg/L	IS:3025: (Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	43.9
17	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	34.8
18	Fluoride (as F)	mg/L	IS 3025 (part-60)	1	1.5	0.17

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Rep. No. 08328

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible limit	
19	Cyanide (as CN)	mg/L	IS:3025: (part-27)	0.05	No Relaxation	N.D.
20	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025 (Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025 (Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025 (Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025 (Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025: (Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025 (Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025 (Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025 (Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025 (Part-53)	0.3	No Relaxation	0.16
31	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1622:1981; IS:1631:2001	Shall not be detectable in any 100 ml sample		Absent


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

REMARKS: RESULTS ARE AS ABOVE

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- This is for information as the party has asked for same (Part-10).

13/01/23
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For ULTIMATE ENVIRONMENTAL SOLUTIONS
 AUTHORIZED SIGNATORY


End of the test report

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

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

Format No.: UES/FORM/09



Ultimate
ENVIRONMENTAL SOLUTIONS

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

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

Name & Address Of The Customer

To,
M/s Jaykaycem (Central) Ltd.
Village Harduaken,
Tehsil - Amanganj,
District - Panna (M.P.)

Report No. UES/TR/22-23/08332
Lab Ref No. UES/22-23/W/016633
Date of Sampling 09/01/2023
Date of Receipt 10/01/2023
Date of Report 13/01/2023
Date of Analysis Start: 10/01/2023 End: 13/01/2023

SAMPLE DETAILS

Customer Ref. No. & Date Verbal Communication, Dated: 07/01/2023
Customer Sample Id/ Sampling Location Kankana Village Buffer Zone (Govt. Hand Pump Kankana)
Sample Type Ground Water
Packing Of Sample Jerry can (Approx. 3 Ltr.)
Other Details Glass Bottle (Approx. 1 Ltr.)
Latitude 24°22'44.22"N
Longitude 79°57'29.71"E
Sample Condition At Receipt OK
Sample Collected By Laboratory Chemist
Quantity Received Approx 5 Ltr. each


Rep. No. 08332

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible Limit	
1	pH Value at 25.3°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.58
2	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
3	Taste	-	IS 3025: (part-8)	Agreeable	Agreeable	Agreeable
4	Odour	-	IS 3025: (part-5)	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	292
6	Conductivity	µS/Cm	IS 3025: (Part-14)	-	-	486.7
7	Turbidity NTU	NTU	IS 3025: (Part-10)	1	5	0.93
8	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	156
9	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	184
10	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	55.31
11	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	11.71
12	Sodium	mg/L	IS 3025: (Part-45)	-	-	7.52
13	Potassium	mg/L	IS 3025: (Part-45)	-	-	1.44
14	Nitrate (as NO ₃)	mg/L	IS 3025: (Part-34)	45	No Relaxation	19.43
15	Total Phosphate	mg/L	IS:3025: (Part-31)	--	--	N.D.
16	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	43.9
17	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	45.3
18	Fluoride (as F)	mg/L	IS 3025: (part-60)	1	1.5	0.12
19	Cyanide (as CN)	mg/L	IS:3025: (part-27)	0.05	No Relaxation	N.D.

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Rep. No. 08332

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Acceptable Limit	Permissible Limit	
20	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025: (Part-43)	0.001	0.002	N.D.
21	Arsenic (as As)	mg/L	IS 3025: (Part-37)	0.01	0.05	N.D.
22	Mercury (as Hg)	mg/L	IS 3025: (Part-48)	0.001	No Relaxation	N.D.
23	Lead (as Pb)	mg/L	IS 3025: (Part-47)	0.01	No Relaxation	N.D.
24	Cadmium (as Cd)	mg/L	IS 3025: (Part-41)	0.003	No Relaxation	N.D.
25	Free Residual Chlorine	mg/L	IS:3025: (Part-26)	0.2	1	N.D.
26	Chromium (as Cr)	mg/L	Annex J of IS:13438	0.05	No Relaxation	N.D.
27	Copper (as Cu)	mg/L	IS 3025: (Part-42)	0.05	1.5	N.D.
28	Zinc (as Zn)	mg/L	IS 3025: (Part-49)	5	15	N.D.
29	Selenium (as Se)	mg/L	IS 3025: (Part-56)	0.01	No Relaxation	N.D.
30	Iron (as Fe)	mg/L	IS 3025: (Part-53)	0.3	No Relaxation	0.15
31	Manganese (as Mn)	mg/L	IS:3025: (Part-59)	0.1	0.3	N.D.
32	Total Coliform	MPN/100ml	IS:1602:1981; IS:16019	Shall not be detectable in any 100 ml sample		Absent


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REVIEWED BY

13/01/23



For ULTIMATE ENVIRONMENTAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report

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13) 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

Agreed.

Regular water quality is being performed as per proposal given under environmental monitoring programme for the parameters include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate.

No alteration is proposed for Devra nalla which is passing through the lease area.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

	Control Board. Clearly showing the trend analysis on six-monthly basis.	
14)	<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. "J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	<p>Agreed. Regular monitoring will be carried out as per the given direction. Being a lime stone mines, no acid mine drainage is anticipated.</p> <p>We assure that monitored data will 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. "J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change will be referred in this regard after commencement of mining operations.</p>
15)	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	Agreed. The rain water harvesting structure will be developed as per the approved hydrogeological study report and consultation with Central Ground Water Board.
16)	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. Oil and grease trapping system is proposed for work shop effluent. We assure that we will maintain the standards as prescribed in Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB).
17)	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board / Committee.	Agreed and we will comply with the given direction.
<u>IV. Noise and vibration monitoring and prevention</u>		
18)	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. We assure that we will monitor the peak particle velocity at 500m distance or within the nearest habitation, whichever is closer as per applicable in line with the DGMS guidelines.
19)	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	Agreed. We assure that the biological clock of the villagers will not be disturbed. Orientation of floodlights/ masks shall be away from the villagers

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

	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	and the noise levels will be maintained well within the prescribed limits for day /night hours.
20)	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 provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.	Agreed. We assure that we will take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. will be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects.
V) Mining Plan		
21)	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, overburden, interburden 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. We assure that we will execute the mining operation strictly as per approved mining plan in terms of total excavation (quantum of mineral, waste, overburden, interburden 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.
22)	The mining 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. We assure that we will execute the mining operation strictly as per approved mining plan. The concurrent backfilling may be started from 3 rd year onwards. We further assure that compliance status regarding monitoring and management of rehabilitated areas shall be submitted along with half-yearly to the MoEFCC and its concerned Regional Office.
VI. Land reclamation		
23)	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	Agreed and to be complied as per approved mining plan and DGMS guideline.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

	Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	
24)	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	Agreed and to be complied as per approved mining plan.
25)	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. 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 as per the proposal submitted to the Ministry. We assure that the collected water will 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
26)	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 assure for the compliance as per the given direction.
<u>VII. Transportation</u>		
27)	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	Agreed. The mineral will be transported from working pit to crusher through a separate road and from crusher, the limestone will be transported through covered belt conveyer system to the cement plant. No village road will be utilized for the transportation of mineral.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

	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]	
28)	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emission.	Agreed. Permanent water sprinkling arrangement over main haulage road within the mine lease will be provided for dust suppression. We assure that other roads within the mine lease will be 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. The crusher shall be provided with air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system and covered belt-conveyors.
VIII. Green Belt		
29)	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 & noted for compliance.
30)	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	Agreed & noted for compliance.

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period from October 2022 to March 2023

Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31st August 2023

	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	
31	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	Agreed & noted for compliance.
IX. Public hearing and human health issues		
32)	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Agreed & noted for compliance. Mining lease area is close to cement plant. All the basis facilities have been provided to workers in our cement plant area.
X. Corporate Environment Responsibility (CER)		
33)	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to	Agreed and complying.

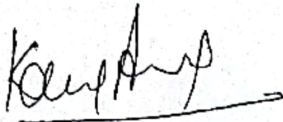
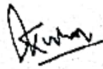
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	Regional Office MoEF&CC annually along with audited statement.	
<u>XI. Miscellaneous</u>		
34)	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Agreed & noted for compliance. We assure that we will prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring of land use pattern and report will be submitted to concerned Regional Office of the MoEF&CC.
35)	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.	Agreed and will be complied.
36)	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.	Complying. 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 is being submitted regularly.
37)	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.	Complied. A separate 'Environmental Management Cell' has been established under the Senior Executive who directly report to Head of the organization.
38)	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.	Agreed and noted.
39)	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Agreed and noted for compliance.
25.	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 and agreed

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	action under the provisions of Environment (Protection) Act, 19	
27.	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 and agreed
28	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 and agreed

Yours Sincerely
For: Kakra - Panna Limestone Mine
(Wholly Owned Subsidiary of JK Cement Ltd.)


 Kapil Agrawal
(Unit Head)