



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The General Manager Environment Projects
JAYKAYCEM (CENTRAL) LIMITED

My Home Residency, Opposite ESSAR Petrol Pump, Katni Road, Tehsil-
Amanganj, Dist.- Panna,,Panna,Madhya Pradesh-488441

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the Ministry vide proposal number
IA/MP/MIN/220904/2020 dated 02 Aug 2021. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC21A001MP114641 |
| 2. File No. | J-11015/80/2020/IA.II(M) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including
Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Koni-Simariya Limestone Block of
Jaykaycem (Central) Limited over an area
of 3095.23 hectares with production
capacity 9.05Million TPA of Total
Excavation (Lime Stone: 5.08 Million TPA;
Soil: 2.94Mill |
| 7. Name of Company/Organization | JAYKAYCEM (CENTRAL) LIMITED |
| 8. Location of Project | Madhya Pradesh |
| 9. TOR Date | 23 Mar 2021 |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 01/11/2021

(e-signed)
Pankaj Verma
Scientist E
IA - (Non-Coal Mining sector)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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PARIVESH

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and Virtuous Environment Single-Window Hub)*



F.No. J-11015/80/2020-IA.II (M)

Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Prithvi Wing, 2nd Floor, Aliganj,
Jor-Bagh Road, New Delhi-110 003

Dated: 29th October, 2021

To,

M/s Jaykaycem (Central) Limited
KAMLA TOWER, KANPUR,
Uttar Pradesh-208001.

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.

Sir,

This has reference to the online proposal no. IA/MP/MIN/220904/2020 of M/s Jaykaycem (Central) Limited is for grant of Environmental Clearance 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 3095.23ha, located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh. The mine lease area is located between Latitude 24°16'11.6"N to 24°20'28.23"N and Longitude 79°50'14.88"E to 79°57'11.25"E. The mine lease area falls under the Survey of India Toposheet No 54P/11, 54P/12, 54P/15, 54P/16, 63D/3 & 63D/4 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. Project Proponent (PP) has made an online application vide proposal no: IA/MP/MIN/220904/2020 dated 20.07.2021 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed

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project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The details of the Terms of References (TOR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
24.12.2020	IA/MP/MIN/189768/2020	11 th -13 th Jan, 2021 & 24 th - 26 th Feb, 2021	Total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with crusher capacity of 1800 TPH in the mine lease area of 3095.23 Ha.	23.03.2021

4. The proposal for Environmental Clearance was considered in the 35th EAC meeting held during 16th to 19th August, 2021 wherein the Committee noted that the Project Proponent failed to quantify the impact due to mining operation and also the R&R plan submitted and abstract presented during the meeting was not satisfactory, therefore the Committee deferred the proposal for want of requisite information. PP submitted the information on 30.08.2021, accordingly the proposal was reconsidered in the 37th EAC meeting held on 15th-17th September, 2021.

5. Details of Mine lease:

S.no	Prospecting License/Lol/Lease Grant order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Prospecting License vide Lr F-2-24/09/12/1	15.03.2010	Limestone	11.06.2010 - 10.06.2012 (2 years)	Govt., of Madhya Pradesh	5150.00
2	Letter of Intent vide Lr No F-3-5/201.7/12/1	17.11.2017	Limestone	50 years	Govt., of Madhya Pradesh	3095.23
3	Grant of Mining lease vide Lr F3-5/2017/12/1	23.11.2020	Limestone	50 years	Govt., of Madhya Pradesh	3095.23

6. Details of executed Mine leases

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	02.12.2020	01.12.2070	MP283052020A1802711

7. Details of Mine Plan

S.N.	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Mining Plan with Progressive Mine Closure Plan approved by Indian Bureau of Mines	MP/Panna/Limestone/MPLN/G06/2020-21	01.10.2020	5 years	Limestone ,3095.23 ha

8. The Project Proponent submitted that the opencast conventional fully mechanized method of mining will be adopted which includes drilling, blasting, loading, transportation and crushing. PP reported that Geological Reserves is 1007.38 Million Ton and Mineable reserve is 630.851 Million Ton. Life of the mine will be 128 years. The maximum height of the benches will be kept at 6m and the width of the working benches will be more than 15m. Overall pit slope will be maintained at 45°. Blasted material will be loaded by the excavator in dumpers of 30 Tonne and will be sent to crusher plant proposed within the mining lease area with the capacity of 1800 TPH with dry screening facility. PP submitted that the location of crusher is proposed near to Boda village. Mineral will be transported from west to south east direction from pit to crusher area at a distance will be 2.5km approx. by road. Transportation of crushed limestone from crusher to plant will be done by roads till the completion of overland belt conveyor system. PP submitted that total (-) 6mm rejects will be 85 TPD in the form of silt. During the end of plan period, about 2.56 million tonne of waste/ shale/siltstone, 6.05 of million tone soil/alluvium will be generated and 0.43 million tons of top soil will be generated. PP also submitted that three types of dumps are proposed to be maintained separately for top soil over an area of 4.0ha shall be maintained on Northern side of mine working at a distance of about 300m, OB soil/alluvium over an area of 18.50ha shall be maintained on North Western side of mine working at a distance of about 600m and OB/shale/waste rock over an area of 11.50ha shall be maintained on North

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Western side of mine working at the distance of about 500m. Top Soil will be stacked separately and will be utilized for plantation in safety zone and reclaimed area. The balance quantity of waste during the conceptual period will be utilized for back filling/spreading over the worked-out areas in a progressive manner. Backfilling is proposed in the mined-out area of 1278.23ha (65.68%) and balance 668ha (34.32%) shall be converted into water reservoirs. PP submitted that backfilling proposed in the worked-out pit of 1st five-year plan period over an area of 57.6507 ha shall be completed in progressive manner in 3rd five-year mine plan.

9. The Project Proponent reported that the ground water table is 282 MSL (15m) in post monsoon and 277 MSL (20m) in pre monsoon. The 1st year lowest production bench will reach up to 289 MSL and in second year will reach up to 278 MSL. Hence, the mine working will intersect the ground water table. PP submitted that there are seasonal nallahs present in the mine lease area and the same is granted after deduction of all seasonal nallahs with safety zones. River Sonar & River Ken are the main drainage features that flow in the NNW and NE respectively outside the area. PP also submitted that there will be no change in the natural drainage pattern of the core and buffer zone due to mining. Embankment will be constructed as per Approved Embankment/design of protection plan distance of Ken, Sonar and Berma River (near to mine lease) and Major Nallahs (inside the mining lease) from the Office of Executive Engineer, Water Resource, Pawai, District- Panna (MP) WRD department vide S. No./709/Work/2020-2021 dated 12.05.2021 at a distance of 250m from the river bank. PP also submitted an undertaking vide letter dated 30.08.2021 that they shall not change the course of surface water body during the operating period of mine.

10. Land Area Breakup:

Private land	2927.51 Ha.
Government land	167.723 Ha.
Total Mining lease area (MLA)	3095.23 Ha.
Private land for crusher, workshop & other infrastructure outside the MLA	Not Applicable

11. The Project Proponent submitted that out of the total mine lease area of 3095.23ha, 155.452ha (5.02%) is double crop irrigated land, 2386.265ha (77.09%) is single crop/un irrigated land and rest of the land parcel is categorized as govt. land/private. The agriculture yield is Rs. 1,01,861Hact. / Year and Mineral yield is Rs. 929019.4367 Hact./Year royalty. The Mineral versus agriculture ratio is approximate 9:1. The mining will generate the

revenue for the Government in the heads of Royalty, District Mineral Funds and National Mineral Exploration Fund. DMF value is more than the agriculture income during entire mine life and will be used to mitigate the adverse impact of mining and to work towards welfare and development of people inhabited near mining area to ensure sustainable livelihood.

12. Nearest village / town/ highway/railway station / water bodies

Particular	Distance(km)	Direction
	From Lease Boundary	
Village/Town		
Simariya Village	0.75	SE
Medical Facility		
Govt. Hospital, Simariya	1.36	SE
Dispensary, SunwaniKalan	2.85	NW
Schools		
Govt. School, Pagara	0.34	NW
Kanya High School, Simariya	0.95	SE
Govt. Sec. School, Simariya	1.58	SE
Bundelkhand Public School, Simariya	1.50	SE
Highway		
SH-49	1.28	SSE
SH-10	7.44	North
Railway Station		
Khajuraho	48.0	N
Water Bodies		
Ken River	0.06	E
Sonar Nadi	0.22	NNW
MirhasanNadi	8.42	N
Bearma River	0.10	W

13. Water requirement:

Total water requirement	168.0 KLD		Domestic	10.0 KLD
	Fresh water	Treated water	Crusher	51.0 KLD
	160.0 KLD	8.0 KLD	Wet Drilling	1.0 KLD
			Haul road	68.0 KLD
			Plantation	20.0 KLD
			HEMM Washing	10.0 KLD
Source	Ground Water & Mine Pit Water			

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Permission	CGWA/NOC/MIN/ORIG/2021/11999, dated 03.06.2021 for fresh water demand: 160.0 m3/day and dewatering: 606.00 m3/day and is valid up to 02.06.2023.
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14. The Project Proponent submitted that there is no forest land in the mine lease area and reported that there is no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves, Eco Sensitive Zones and submitted the letter along with the authenticated map obtained from the Office of APCCF, Bhopal vide Lr F-1/ Parya/R-707/2021/1136 dated 24.03.2021 that 1) No forest land within mine lease area of 3095.23 Ha, 2) Panna Tiger Reserve is 13.75 Km 3) Buffer zone of Panna Tiger Reserve i.e. Jaitpur Protected Forest, Dist. Chattarpur is 7.64 Km and 4) Panna Biosphere Reserve is 13.00 Km. PP also submitted that the protected forest such as Pagra P.F (0.16 Km, North), Jaitpura P.F (7.64 Km, NW), Udla P.F (7.77 Km, NNW) and Bardha P.F (9.38 Km, WNW) are found within in the 10km radius.

15. The Project Proponent reported that 8 (eight) Schedule-I Faunal species were recorded from the buffer zone viz. Indian Peacock, Black Buck, Indian Gazelle, Indian Pangolin, Sloth Bear, Panther, Tiger and Mouse Deer and submitted the authenticated list of Flora and Fauna obtained from the office of PCCF (WL), Bhopal, vide letter no. S.No/WL/Map/WLC/5144, dated 19.07.2021. PP also submitted the Approval of Wildlife Conservation Plan obtained from Office of CWLW, Bhopal, vide letter no. S.No/ WL/Map/ Gen- 274/4081, dated 16.06.2021 with a budget Rs. 180 Lakhs. Project Proponent proposed the additional Budget of Rs.20 lakhs (Twenty Lakh) towards conservation of wild life as per the suggestions of the EAC in the meeting held on 16th to 19th August, 2021 which will be deposited to the office of the Wildlife, Bhopal Govt of MP. Hence, the total budget for WLCP will be of Rs. 200 Lakhs for a period of 10 years.

16. The Project Proponent submitted that during first five-year plan total area proposed for plantation/greenbelt will be 31.37ha. Out of 31.37ha, 1.87ha will be covered under Safety Zone along Nallahs, River Habitations and roads, 29.00ha within 7.5m Safety Zone along ML boundary and 0.50ha will be developed around crusher. Total no. of plants proposed to be planted will be 78,425 no.s. PP also submitted that 0.0885ha of pre disturbed area will be considered in 1st year as it is a disturbed area within the ML before inception of mining lease. PP earmarked budget of Rs 156.9 Lacs towards cost of plants @ Rs.200 per plant and Rs 7.46 Lacs towards care & maintenance cost @ Rs. 12 per plant during 1st five-year plan period. PP also submitted that during the rest of life of mine total area of 616.63ha will be developed under plantation/greenbelt. Out of 616.63ha, 568.60ha

will be developed over backfilled area and 48.03ha under Safety Zone along Nallahs, River Habitations, Roads. Total no. of plants proposed to be planted will be 15,41,575 no.s. PP earmarked budget of Rs 3083.15 Lacs towards cost of plants @ Rs.200 per plant and Rs184.99 Lacs towards care & maintenance cost @ Rs. 12 per plant during the rest of life of mine.

17. The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Winter season. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water for the month of December, 2020 to February, 2021 have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Period					
AAQ parameters at 10 locations	Pollutant	Min, $\mu\text{g}/\text{m}^3$	Max, $\mu\text{g}/\text{m}^3$	98 %ile, $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	22.5	38.2	37.8	60
	PM10	40.2	65.1	64.3	100
	SO2	6.0	8.4	8.3	80
	NOx	7.0	10.3	10.3	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, $\mu\text{g}/\text{m}^3$	Incremental Concentration, $\mu\text{g}/\text{m}^3$	Total GLC, $\mu\text{g}/\text{m}^3$	Standard
	PM2.5	38.2	9.03	47.25	60
	PM10	65.1	14.45	79.55	100
	SO2	8.4	10.04	18.44	80
	NOx	10.3	28.39	38.69	80
Noise level at 10 locations	<p>Day Time: 38.1 to 53.8 Leq dB (A) Night Time: 35.3 to 45.9 Leq dB (A)</p> <p>PP submitted that as per the studies, it is proven that with 100 feet (30m) plantation of 3 tier system including shrubs, short and tall trees, there will be a reduction of 6-10 dB. Simultaneously with increase in the green belt with another 30m and so on the reduction of 20 dB shall be achieved.</p>				
Ground Vibration	<p>PP submitted that the predicted values of PPV are well within the DGMS standards of 10 mm/s for the given blasting parameters. However, it is proposed that as a part of progressive mine development plan, ground vibration studies should be taken up on annual basis or for each plan period to ascertain the safe PPV levels for corresponding maximum charge per delay with respective scaled</p>				

	distances from the blast site.
Ground water quality at 10 locations	The analysis indicates that pH were found to be in range of 6.89- 7.68. The TDS were found to be in the range of 548 –3623 mg/l. Other parameters like Total Hardness as CaCO ₃ (272 mg/l - 1444 mg/l), Total Alkalinity (248 – 460 mg/l), Calcium as Ca (75.2 – 520 mg/l), Magnesium as Mg (17.49 – 65.12 mg/l), Chloride as Cl 19.99-341.91 mg/l), Sulphate as SO ₄ (38.03-1585.05 mg/l) and Fluoride as F- (0.54-1.36 mg/l). However, the Total hardness and TDS at GarhiKarhiya and Pagra are slightly above the permissible limits of IS 10500:2012 and shall be used after pretreatment. All the other parameters were found within the prescribed limits in absence of alternate source. The water is portable for domestic purpose.
Surface water quality at 4 locations	The analysis indicate that the surface water quality was found to be well within the prescribed standards limit (Class C). pH varied in the range of 7.49- 8.08. The TDS were found to be in the range of 175– 358 mg/l. Other parameters like Total Hardness as CaCO ₃ , Total Alkalinity, Calcium as Ca, Magnesium as Mg, Chloride as Cl, Sulphate as SO ₄ and Fluoride were found in the permissible range.
Soil quality at 10 locations	pH of the soil samples of the study area is alkaline and varied from 6.92 (Maharaganj) to 7.92 (Kolkarhaiya). The soil of the study area is Sandy Clay, which depicts a moderately fertile soil type having Brown Colour. Electrical conductivity of soil samples ranges from 103 µs/cm (Simariya) to 1952 µs/cm (Pagra) and are classified as normal soil. organic carbon varied from lower 0.56% (Village SunwaniKalan) to higher 1.38 % (Village Pagra) representing good soil fertility in the study area.
Traffic study	At present the LOS (Level of Service is A with 0.18 V/C Ratio). With increase on the load due to mineral transportation the LOS is will be B with 0.37 V/C ratio. Total 308 trips will be required for mineral transportation from crusher to Cement Plant and the same is accommodable.

18. Public Hearing (PH) Details

Advertisement for PH with date	05.06.2021- Times of India and Navbharat 24.06.2021- Times of India and Navbharat for Virtual meeting link
Date of PH	08.07.2021
Venue	Near PanchayatBhavan, Village Gudha, Tehsil Simariya, District Panna, MP
Chaired by	Mr. J.P. Dhurve, Additional District Collector, Panna.

Main issues raised during PH	1. Education and training 2. Drinking water facilities 3. Infrastructure Development 4. Afforestation & greenbelt development. 5. Health and sanitation and measures for control of COVID 19
	6. Water Conservation 7. Agricultural development and animal husbandry 8. Other local social needs.
Budget proposed for addressing issues raised during PH	Rs 1211 Lakhs

19. Public hearing action plan as per MoEF&CC O.M. dated 30/09/2020

S. No	Activities	Units	1 st Year	2 nd Year	3 rd Year	Total	Recurring Cost	Name & Village
I	HEALTH AND SANITATION							
a	Mobile clinic all nearby villages	1 No.	40.0			40.0	5.0	<ul style="list-style-type: none"> Pushraj Singh, Simariya Ramnar eshDwivedi, Simariya Kesu Raja, Gudha RudraPratap Singh, Simariya Sanjay Nagayach, Pavai RajuChaubey, Amanganj Virendr
b	Ambulance for Govt. Hospital Simariya	1 No.	18.0			18.0		
c	1 No. of ward at Govt. Hospital Simariya Size-20ft X 40ft X 12ft with all required furniture and medical equipment	1 No.		25.0		25.0		
d	Drinking water arrangement at Govt. Hospital Simariya (2 No) which includes steel shed (2m X2m X2m), Overhead water tank 1000 ltr. Pipeline fitting, Water cooler, Taps fitting and RO water purifier.	1 No.	5.0			5.0		
e	Support to Swachha Bharat Mission i) Community toilets (Bio toilet) in each village along with overhead water tank arrangement	18 Nos	9.0 (K, B & G)	9.0 (S, Ku & M)	9.0 (G, P & D)	27.0		

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	(2 Nos - 1 each for Gents and Ladies)							aDwivedi, Simariya
	Support for control of							
f	COVID19 in all 10 Villages-Vaccination, Supply of free oxygen, Distribution of masks, Oxymeter, temperature guns and sanitization material		10.0	15.0	18.0	43.0		<ul style="list-style-type: none"> Manvendra Singh, Amanganj
	Sub Total		82.0	49.0	27.0	158.0	5.0	
II	EDUCATION AND TRAINING*							
a	E-Pathshala Digital schools for smart education with computers, projectors, screen, WIFI facility etc.	11 School	60.6	98.6	104.8		5.0	<ul style="list-style-type: none"> Pushraj Singh, Simariya
b	Classrooms with furniture.		(K,B & M-1 no. each)	(S- 3 Nos.)	(Gu, G, P, D & S 1 no. in each)	264.0		<ul style="list-style-type: none"> Kesuraja, Gudha
c	Toilets at each school							<ul style="list-style-type: none"> RudraPratap Singh, Simariya
d	Drinking water at each school (RO Plant)							<ul style="list-style-type: none"> Sanjay Nagayach, Pavai
	Sub-Total		60.6	98.6	104.8	264.0	5.0	
III	INFRASTRUCTURE DEVELOPMENT							
a	Community Centre (25 ft X 30 ft X 11 Ft)	10 Nos.	25.0	50.0 (B, K, M, G & Ku)	50.0 (S, Gu, P, D & V)	125.0	5.0	<ul style="list-style-type: none"> Pushraj Singh, Simariya
b	Double laning road from village Boda to Chikhla (4 Km) (Asphalt road)	4.00 Km	330.0	0.0	0.0	330.0		<ul style="list-style-type: none"> Sanjay Nagayach, Pavai
c	Mortuary room at Govt. Hospital, Simariya. i) Room (15ft X 20ft X 12 ft) ii) Steel Shed for public	1 No.	0.0	0.0	25.0 (S)	25.0		

	seating- 1 No. (15 ft X 20ft X 12 ft) iii) Steel chairs (3 seaters) - 4 Nos iv) Brick Boundary wall 30 ft X 40 ft, 1.5m(H)							
d	Crematorium infrastructure in Simariya i) Metal sheeting and steel shed (15 ft X 20ft X 15 ft) with concrete floor ii) steel structure for funeral place - 2 Nos iii) Metal sheeting and steel shed (15 ft X 20ft X 15 ft) for public seating with steel chairs and tiles filting. iv) Brick boundary wall- 100 ft X 150 ft, 1.0m (H)	1 No.	0.0	0.0	20.0 (S)	20.0		
e	Renewable Energy - Solar lights in all villages - 10 Nos each (20 watt)	100 Nos	0.0	7.5 (B, K, M, G & Ku)	7.5 (S, Gu, P, D & V)	15.0		
	Sub Total		355.0	57.5	102.5	460.0		
IV	DRINKING WATER FACILITIES AT COMMUNITY CENTRES OF 9 VILLAGES							
a	Bore well with Solar water pump, pipeline, overhead tank (1000L), RO Plant and water cooler in all 10 villages	10 Nos.	27.0 (K, S, Ku, B & Gu)	18.0 (M, G, P & D)	-	45.0	2.0	-
	Sub-Total		27.0	18.0	-	45.0		
V	RAINWATER HARVESTING IN VILLAGES							
a	Harvesting pond in each village - 1 No.	9 Nos.	1.0	2.0	2.5	5.5		
b	RWH structures at Government school and community centers.	12 Nos.	5.0	8.0	12.5	25.5	-	-
	Sub Total		6.0	10.0	15.0	31.0		

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			(K & B)	(S, G & M)	Ku, G, P, D & V			
VI	AGRICULTURAL DEVELOPMENT AND ANIMAL HUSBANDRY							
a	Cattle breed Center	Cover 50 Villages	15.0	15.0	25.0	55.0	2.0	-
	Sub Total		15.0	15.0	25.0	55.0		
VII	Plantation							
a	Plants	20000 Nos.	12.0 6000 Nos. (K, B & M)	12.0 6000 Nos. (S, G & Ku)	16.0 8000 Nos. (P, D, V & Gu)	40.0	1.0	-
	Sub Total		12.0	12.0	16.0	40.0		
VIII	OTHER SOCIAL NEEDS OF THE COMMUNITY							
a	Local Need Based Activities	-	20.0	26.0	57.0	103.0	-	-
	Sub Total		20.0	26.0	57.0	103.0		
	TOTAL Budget		577.6	286.1	347.3	1211	20.0	

20. The Project Proponent submitted that out of the total mine lease area 3095.23 ha, Govt. Land is 167.720ha and Private Land is 2927.51 Ha. PP submitted that land purchase will be done in phases as per mine operation plan in accordance to the conceptual mine plan. As per the detailed report prepared, the total land required for the lease period (50 years) is 1688.644ha. PP submitted that 308ha will be purchased in first phase for installation of crusher and other infrastructures, road network, haul roads, dumps and lands for development of dense greenbelt around village, Nallah, roads, crusher, working pit and safety zone along ML boundary covering 15 years of mine working. There are no habitations that need to be resettled or shifted. However, only the land will be acquired for the lease period (50 years). 5 no. of villages are affected and the Project Affected families are 4713 no.s. The land acquisition cost calculated based on the best (maximum) of LARR Act, 2013 and Madhya Pradesh State Policy. An amount of Rs. 442.57 Crores will be allocated towards proposed R&R Plan for land acquisition and R&R benefits.

21. The Project Proponent submitted that there is no any litigation pending against the project and/or land in which the project is proposed to be set up.

22. The Project Proponent submitted the Affidavit in a Non-Judicial Stamp paper of Rs 100 bearing BP 131202 dated 16.07.2021 that our mine complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

23. The Project Proponent submitted an undertaking by way of Affidavit in a Non-Judicial Stamp paper of Rs 100 bearing BP 131202 dated 16.07.2021 that *"the data and information given in the application, enclosures and other documents are true to the best of my knowledge and I am aware that if any part of data and information submitted is found to be false or misleading at any stage the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost."* The Head of the Accredited Consultant Organization given declaration that the *'mentioned experts have prepared the EIA of Koni-Simariya Limestone Mine. I also confirm that I shall be fully accountable for any misleading information mentioned in this statement'.*

24. Details of the EMP:

Environment Management Plan for Koni - Simariya Limestone Mine			
S. No.	Particulars	Capital Cost (Rs. In Lakhs)	Recurring Cost/ Annum (Rs. In Lakhs)
I.	Environmental Management Measures		
	Water Pollution Control, Management & Conservation		
A.	Roof Top Rain Water Harvesting	10	0.5
B.	Oil and Grease trap at HEMM washing centre	5	0.5
C.	Others (Garland Drain, Retaining walls, Settling tank etc.)	10	2
II.	Air Pollution Control & Management		
D.	Bag dust collector at crusher and dry fog system at unloading hopper	60	3
E.	One water tanker for water sprinkling on haul roads.	35	5

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III.	Ecological and Bio-diversity		
F.	Green Belt (Phase wise greenbelt development during course of mine)	3240	194
G.	Wildlife Conservation Plan (for 8 Schedule-I species)	180	-
IV.	Social Aspects		
H.	Environmental Awareness Program (Vocational Training, SHG's etc.)	25	5
V.	Public Hearing Action Plan (Community Development Activities)		
I	Public Hearing Action Plan (CSR Activities)	1211	10
	TOTAL	4776	220

25. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	35.65
Budget for addressing the Public Hearing issues	12.11
Total Cost for EMP	47.76
Recurring Cost for EMP	2.20
Project Cost	578.332
Employment	226 persons

26. The Proposal of Environmental Clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th– 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Environment Clearance of M/s Jaykaycem (Central) Limited for Koni-Simariya Limestone Block 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 hectares located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra&Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh subject to the specific conditions in addition to the standard EC conditions applicable for non-coal mining projects.

27. The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and hereby accords the above mentioned Environmental Clearance as

recommended by EAC during its the 37th EAC (Non-Coal) meeting held on 15th-17th September, 2021 for grant of Environment Clearance of M/s Jaykaycem (Central) Limited for Koni-Simariya Limestone Block 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 hectares located at Village(s) - Koni, Boda, Gudha, ~~Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra&Kuluwa~~, Tehsil Simariya, District Panna, Madhya Pradesh subject to compliance of the terms & conditions and the environmental safeguards mentioned below:-

SPECIFIC CONDITIONS

- 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.
- 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.
- III. The Project Proponent shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.
- 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.
- V. Plantation to be carried out with the survival rate of not less than 90% by planting 10 ft seedlings. Casualties 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.
- 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

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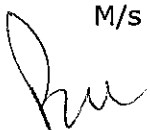
should also be collected while using the rock breaker in the mine lease area and the data collected should be submitted to IRO during EC Compliance monitoring.

- VII. The Project Proponent should further augment the Conservation plan by ensuring effective fire protecting measures during the fire season, by constructing the perennial source of drinking water for the wild animals and by undertaking habitat improvement activities to provide camouflage. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF&CC before 1st 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.
- 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.
- 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-IA.II (M), dated 29th October, 2014.
- 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.

- 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 and improved accordingly.
-
- 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.
- 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.
- XV. The Project Proponent should not disturb the existing road network during the operating period of mine.
- 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.
- 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.
- 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.
- XIX. Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons 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

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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.

STANDARD CONDITIONS

I. Statutory compliance

- 1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
- 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.
- 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.
- 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".
- 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.
- 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.




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

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. 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.

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 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.

10) 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.

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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.

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.

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 Control Board. Clearly showing the trend analysis on six-monthly basis.

14) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO),

pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. 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.

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.

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.


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.

IV. Noise and vibration monitoring and prevention

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.

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 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.

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

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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.

V. Mining plan

21) 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.).

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

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 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.

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.

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.

VII. Transportation

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 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 emissions.

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.

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 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.

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.

X. Corporate Environment Responsibility (CER)

33) 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-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.


XI. Miscellaneous

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.

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.

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.

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, MoEF&CC.

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38) The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.

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 regrassing 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.

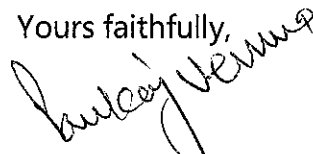
40) The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

41) Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

24. 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.

25. 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.

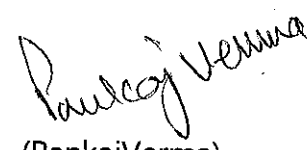
26. This issues with the approval of Competent Authority.

Yours faithfully,

(Pankaj Verma)
Scientist 'E'

Copy to:

1). **The Secretary**, Ministry of Mines, Government of India, Shastri Bhavan, New Delhi.

- 2). **The Secretary**, Department of Mines & Geology, Government of Madhya Pradesh, Secretariat, Bhopal.
- 3). **The Secretary**, Department of Environment, Government of Madhya Pradesh, Secretariat, Bhopal.
- 4). **The Secretary**, Department of Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
- 5). ~~**The Chief Wildlife Warden**, Government of Madhya Pradesh, Van Bhavan, 1st Floor, Tulsi Nagar, Bhopal - 462 003.~~
- 6). **The Deputy Director General of Forests (C)**, Ministry of Env., Forest and Climate Change, Integrated Regional Office, E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016.
- 7). **The Chairman**, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-1100032.
- 8). **The Member Secretary**, Central Ground Water Authority, 18/11, Jam Nagar House, Man Singh Road, New Delhi-110011.
- 9). **The Chairman**, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal – 462016.
- 10). **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- 11). **The District Collector**, District Panna, Madhya Pradesh.
- 12). **Guard File.**
- 13). **PARIVESH PORTAL.**


(Pankaj Verma)
Scientist 'E'

Signature Not Verified
Digitally signed by Pankaj Verma
Scientist E
Date: 11/1/2021 10:38:18 AM