



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

To,

The Director
LLOYDS METALS AND ENERGY LIMITED
Lloyds Metals & Energy Limited, A2, 2nd Floor, Madhu Estate,
Pandurang Budhkar Marg, Lower Parel, Mumbai,,Mumbai
City,Maharashtra-400013

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/MH/MIN/408171/2022 dated 04 Dec 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC23A001MH116618 |
| 2. File No. | J-11015/348/2005-IA.II(M) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Surjagarh Iron Ore Mine of M/s. Lloyds Metals & Energy Limited |
| 7. Name of Company/Organization | LLOYDS METALS AND ENERGY LIMITED |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | N/A |

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

Date: 24/02/2023

(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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No. J-11015/348/2005-IA.II(M)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

3rd Floor, Vayu Block
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi- 110 003.
Dated: 24th February, 2023

To

M/s Lloyds Metals & Energy Limited,
A2, 2nd Floor, Madhu Estate,
Pandurang Budhkar Marg, Lower Parel,
Mumbai – 400013, Maharashtra.

Subject: Surjagarh Iron Ore Mine of M/s. Lloyds Metals & Energy Limited for mining of Iron Ore with production capacity of Iron Ore: 10.0 MTPA (ROM), Waste: 1.769 MTPA (Total Excavation: 11.769 MTPA) along with crushing and screening plant(250 TPH – 2 No. Semi mobile Jaw Crusher, 200 TPH – 4 No. Mobile Jaw Crusher, 200 TPH – 4 Nos. Mobile/Semi Mobile Screens, 400 TPH – 5 Nos. Mobile/Semi Mobile Screens, 200 TPH – 6 Nos. Mobile Cone Crusher) in the mine lease area of 348.09 Ha located near Village Surjagarh, Tehsil Etapalli, District Gadchiroli, Maharashtra - Environmental Clearance (Violation under SOP) - regarding.

Sir,

This has reference to the online proposal no. IA/MH/MIN/408171/2022 for grant of Environmental Clearance to M/s. Lloyds Metals & Energy Limited for mining of Iron Ore in Surjagarh Iron Ore Mine with production capacity of Iron Ore: 10.0 MTPA (ROM), Waste: 1.769 MTPA (Total Excavation: 11.769 MTPA) along with crushing and screening plant (250 TPH - 2 No. Semi mobile Jaw Crusher, 200 TPH - 4 No. Mobile Jaw Crusher, 200 TPH - 4 Nos. Mobile/Semi Mobile Screens, 400 TPH - 5 Nos. Mobile/Semi Mobile Screens, 200 TPH - 6 Nos. Mobile Cone Crusher) in the mine lease area of 348.09 Ha, located near Village Surjagarh, Tehsil Etapalli, District Gadchiroli, Maharashtra.

2. The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meeting, are given as under:

- i. The mine lease area falls between the Latitude: 19°36'58.96"N-19°38'21.48"N and Longitude: 80°20'57.12"E- 80°22'32.84"E and falls under the Survey of India Toposheet No: 65 A/6 (New Toposheet No E 44C6) and falls in Seismic Zone-II.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" of the schedule of the EIA Notification, 2006 as the mine lease area is greater than 250 Ha and appraised at the Central level.
- iii. Details of previous Environmental Clearance (EC):

- d. The Project Proponent initially obtained Environmental Clearance (EC) vide letter dated 29.05.2006 for Surjagarh Iron Ore mining project of M/s Gadchiroli Metals and Minerals for production capacity of 3.0 MTPA of Iron Ore by opencast mechanized method involving total lease area of 348.09 Ha under the provisions of EIA Notification, 1994.
- e. Then, the Project Proponent obtained the approval of change of name of project company from M/s Gadchiroli Metals and Minerals Ltd to M/s Lloyds Metals and Engineers Ltd vide letter dated 07.02.2007.

iv. Details of Terms of Reference (ToR):

- d. Initially, the Project Proponent obtained EC on 29.05.2006 under EIA, 1994 and the EC was valid for a period of 5 years only and the Project Proponent operated the mine after 2011 without obtaining EC under EIA Notification, 2006 and hence the project falls under violation case. The Project Proponent did not submit the application under Ministry's Notification S.O 1530(E) dated 06.04.2018.
- e. Hence, the Project Proponent obtained Terms of Reference under Violation as per Ministry's O.M dated 7th July, 2021 vide ToR letter dated 18.07.2022 for Surjagarh Iron Ore Mine of M/s. Lloyds Metals & Energy Limited with production capacity of Iron ore (RoM) of 10.0 MTPA along with crusher and screening plant (250 TPH – 2 No. Semi mobile Jaw Crusher, 200 TPH – 4 No. Mobile Jaw Crusher, 200 TPH – 4 Nos. Mobile/Semi Mobile Screens, 400 TPH – 5 Nos. Mobile/Semi Mobile Screens, 200 TPH – 6 Nos. Mobile Cone Crusher) over an extent of 348.09 Ha.

v. Details of Mine Lease:

- e. The Project Proponent submitted that initially mining lease was granted vide Lr.No – MMN-1104/C.R.683/Ind-9 dated 13.04.2007 for a period of 20 years over an area of 348.09 Ha and mine lease deed was executed on 03.05.2007 for the period upto 02.05.2027.
- f. The Govt. of Maharashtra vide Order No: MLV-G-14-(2)/2017/1086, dated 02.05.2017 has granted approval for a further extension of 30 years. The Supplementary lease deed for extension of lease period was executed on 03.12.2021 and the mine lease is valid up to 02.05.2057.
- g. The project proponent vide email dated 10.01.2023 has also submitted the fresh certification of incorporation made on 25.04.2017 consequent upon change of name from "Llyods Metals and Engineers Limited " to "Llyods Metals and Energy Limited"

vi. Land Use/Land Cover of the Mine Lease Area:

| | |
|---|--|
| Private land | Nil |
| Forest land | 348.09Ha falls in the Bhamragarh Reserve Forest. |
| Total Mining lease area (MLA) | • 09 Ha |
| Private land for crusher, workshop & other infrastructure outside the MLA | |

| | |
|---------------------------------|--|
| Additional information (if any) | The Project Proponent submitted that the Forest clearance has been obtained from MoEF&CC Vide Letter No. F.No- 8-31/2005/FC dated 23.03.2007 under section-2 of the Forest (Conservation) Act, 1980 for diversion of 374.90 ha of Reserved/Protected/Zudpi forest land for Iron-Ore mining, transmission line and approach road in favour of M/s Lloyds Metals and Engineers Limited (LMEL). PP also submitted that 348.09 ha is the mine lease area and the balance area is for road and transmission line. |
|---------------------------------|--|

vii. Mining Plan details: -

| | | |
|---|---|-----------------------------|
| Review of Mining Plan with Progressive Mine Closure Plan approved by Indian Bureau of Mines | Letter No. | GAD/FE/MPLN-862(2)/NGP-2022 |
| | Date | • 03.2022 |
| | Mine lease area | • 09 Ha |
| | Mineral | Iron Ore |
| | Validity | 2022-23 to 2026-27 |
| Mining Parameters | Quantitative Description | |
| Method of Mining | Fully Mechanized (FM) Opencast mining method | |
| Total Geological Reserves | • 927 Mill. Tons. | |
| Total Mineable Reserves | • 204 Mill.Tons | |
| Life of mine | 9 years (Likely to increase after future exploration) | |
| Bench Height | 10m | |
| Bench Width | More than 15m | |
| Individual bench slope | 80° | |
| Overall pit slope | 45° | |
| Drilling/Blasting | Drilling using 115/150mm diameter drills with 10% sub grade drilling. Blasting by SME and electronic initiation system for safe blasting operations at the mine. | |
| Crushing/Screening | ROM ore to be excavated from the mine will be sent to the screening plant to segregate the ore to different size. Oversize boulders will be crushed in the primary jaw and secondary cone crusher for size reduction as per the plant requirement and buyer's specification. This will be done in the crusher and screen unit located within the mine lease area. | |
| RoM output size | 0 – 550 mm size | |
| Transportation details | By Road utilizing the public railway sidings at about 150 kms distance (3 nos. - Mul RS, Manikgarh, Balارشah RS), besides direct destination by road to different buyers | |
| Dumpers capacity | 30 T Dumpers | |

| Waste Generation and Management | Waste Management | Plan Period (Mil.cum) | Conceptual Period (Mil.cum) | Total (Mil.cum) |
|---------------------------------|------------------|-----------------------|-----------------------------|-----------------|
| | Road maintenance | • 746 | • 449 | • 195 |
| | Dumping | • 742 | • 173 | • 915 |
| | Total | • 488 | • 622 | • 110 |

| | |
|--------------------------|--|
| Groundwater intersection | Mine Depth: Upto 480m AMSL Water Table: 260m AMSL No Groundwater intersection is envisaged due to mining operations. |
|--------------------------|--|

viii. Water requirement:

| | | | |
|-------------------------|--|---------------|----------|
| Total water requirement | 1200 KLD (Make up) | Fresh water | 1200 KLD |
| | | Treated water | 112 KLD |
| Source | Bore well and Surface Water | | |
| Permission | The Project Proponent submitted the NOC obtained from CGWA vide CGWA/NOC/MIN/ORIG/2022/14843 for Groundwater abstraction of fresh water of 70m ³ /day for the period upto 20.03.2024. Allocation for surface water is under process from Department of Water Resources, Government of Maharashtra. Chief Engineer has recommended and the final allocation letter is awaited. | | |

ix. Nearest village / town/ highway/railway station / water bodies/monument:

| Particulars | Particular's Name | Distance & Direction |
|-----------------|----------------------------|----------------------|
| Village | Bande | • 1 km, S |
| Town | Etapalli | 26 km, S |
| Highway | National Highway (NH-353C) | 45 km |
| | State Highway (SH-363) | 22 km |
| Railway Station | Ballarshah | 157 km |
| Water Body | Bande river | • 75 km, W |
| | Kappe N | • 95 km, N |
| | Akeran N | • 04 km, W |
| | Dumme N | • 07 km, SW |

| | | |
|--|--------------|-------------|
| | Jambla river | • 77 km, SE |
|--|--------------|-------------|

x. Presence of Environmentally Sensitive areas in the study area:

| Forest Area/Environmental Zone | Land/Protected Area/Environmental Sensitivity | Yes/No | Details of Certificate/letter/Remarks |
|--|---|--------|---|
| Forest Land | | Yes | <p>Project Proponent submitted that Forest clearance has been already obtained for 374.90 Ha (comprising 348.09 ha of mine lease area and balance area for approach road and transmission line) vide letter F.No-8-31/2005 /FC dated 23.03.2007.</p> <p>The Project Proponent has deposited Rs.34,26,51,000/- (Rs. Thirty Four Crores twenty six lakhs fifty one thousand Only) as NPV amount with DCF Bhamragarh in Corporation Bank, New Delhi vide DD no.633149 dated 22.02.2007. The project authority has also given an undertaking to pay the cost of additional amount in case there is an upward revision of rates of NPV. An amount of Rs.2,49,93,618/- (Rs. Two crore forty nine lacs ninety three thousand six hundred and eighteen only) paid towards compensatory afforestation and Rs.8,60,639/- (Rs. Eight lacs sixty thousand six hundred and thirty-nine only) paid for afforestation over 13.00 ha degraded forest area (together deposited through DD no.633149 dated 22.02.2007 in CAMPA Fund respectively.</p> |
| National Park | | No | Project Proponent submitted that Wildlife map has been authenticated by Chief Wildlife Warden. |
| Wildlife Sanctuary | | No | |
| Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA) | | No | |
| Schedule-I species | | Yes | Sloth bear and Pea Fowl are the Schedule-I species found in the Study area. List of Flora and Fauna has been vetted by the Forest Dept. |
| Status of Wildlife Conservation Plan | | Yes | Wildlife conservation plan was vetted by Wildlife Institute of India (WII), Dehradun and forwarded to the Principal Chief Conservator of Forests (Wildlife) vide WII-EIA(AR)/Gadchiroli-2005 dated 23.10.2006 with a financial provision of Rs. 1,47,03,440/- The Project has deposited Rs.53,25,440/- |

| | |
|--|--|
| | <p>vide DD no.143677 dated 03.07.2007 in favour of Dy. Conservator of Forests, Bhamragarh. The Dy. Conservator of Forests, Bhamragarh has raised a demand to deposit the balance amount of Rs.93,78,000/-. The amount of Rs.93,78,000/- deposited through RTGS vide UTR no. KKBKR2202210130524 3957 dated 13.10.2022 in favour of Dy. Conservator of Forests, Bhamragarh to this effect. PP also submitted that the different safeguard measures as per approved plan i.e., soil moisture conservation measures, fire protection measures and awareness programs have been implemented.</p> <p>The Project Proponent has submitted the updated "Site Specific Wildlife Management Plan" to State Forest Department vide letter dated 23.12.2022.</p> |
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xi. Green belt/plantation details:

| | |
|--|--|
| Proposed area for green belt/plantation | <ul style="list-style-type: none"> 17 Ha (3,750 Saplings during 2022-23 to 2026-27) |
| Budget for green plant& plantation till the end of life of mine. | Capital Cost - Rs.26 Lakhs Recurring Cost - Rs. 4.0 Lakhs per annum |
| Budget for nursery | -- |
| Additional information (if any) | At present gap filling plantation has been carried out in the safety zone area and good avenue plantation in the road from Hedri to Alapalli is also completed. So far, about 18,590 trees have been planted in both these areas. Avenue plantation along mineral transport road area will be carried out. |
| 7.5 m barrier & non-mineralized zone | <ul style="list-style-type: none"> 17 Ha |

xii. Baseline details:

| Baseline Data (Air / Water / Noise / Soil / Ground water table/ others) | |
|---|--|
| Period of baseline data collection | March - May 2022 |
| Season (Summer / Pre-monsoon / Post-monsoon / Winter) | Summer Season |
| Predominant Wind direction (From) | W & NW |
| Ambient Air Quality (10 locations) | PP reported that the concentrations of PM10 ranged from 47.7-78.6 µg/m ³ , PM2.5: 18.8-34.9 |

| | | | |
|----------------------------|--|-----------------------------|----------------------------|
| | µg/m ³ , SO ₂ : 9.0-22.4 µg/m ³ and NO ₂ : 14.1-27.8 µg/m ³ . | | |
| Noise level (10 locations) | Day Time: 51.9 – 65.1 dB (A) Night Time: 40.6 – 59.6 dB (A) | | |
| Water Quality | Parameters | Surface water (3 locations) | Ground water (9 locations) |
| | pH at 25°C | • 10 – 7.52 | • 99 – 8.02 |
| | Total Dissolved Solids, mg/l | 255 - 360 | 268 - 712 |
| | Chloride as Cl ⁻ , mg/l | 45 - 55 | • 50 – 202 |
| | Total Hardness (as CaCO ₃), mg/l | 120 - 245 | 180 – 585 |
| | Total Alkalinity (as CaCO ₃), mg/l | 135 – 205 | 160 – 410 |
| | Sulphates as SO ₄ ²⁻ , mg/l | • 40 – 62.50 | • 80 – 73 |
| | Iron as Fe, mg/l | • 07 – 0.15 | • 03 – 0.12 |
| | Nitrate Nitrogen as N, mg/l | • 60 – 3.41 | • 60 – 22.50 |
| | Fluoride as F, mg/l | BDL | BDL |
| Soil quality (9 locations) | Parameters | Core Zone | Buffer Zone |
| | pH | • 28 | • 98 – 7.76 |
| | Electrical Conductivity (µmho/cm) | • 6 | • 20 – 312.50 |
| | Total Organic Carbon (%) | • 92 | • 21 – 1.12 |
| | Nitrate as N (Kg/Ha) | • 6 | • 60 – 231.70 |
| | Phosphorus (Kg/Ha) | • 23 | • 10 – 7.82 |
| | Sodium (mg/kg) | • 9 | • 63 – 18.40 |

| | | | |
|---------------|---|------|------------------|
| | Potassium (Kg/Ha) | • 62 | • 81 – 152.80 |
| Traffic Study | The maximum V/C ratio on these stretches of the road is 0.17 which is under category "A" LOS as per the IRC guideline. Post expansion, there will be additional of 59 Trips/Hr. Further the maximum V/C ratio will go up to 0.28 and the level of service (LOS) will be in Category "B" which represents a zone of stable flow. Existing road network of the area easily accommodate the additional traffic due to expansion of 10 MTPA without any adverse impact. | | |

xiii. Public Hearing (PH) Details:

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|---|--|
| Advertisement for PH with date (Name of major national daily and one regional vernacular daily newspaper) | • 09.2022 Local Newspaper: Daily Lokmat (Marathi) National Newspaper: The Times of India (English) |
| Date of PH | • 10.2022 |
| Venue | NiyojanBhavan, District Collector Office, Gadchiroli District, Maharashtra |
| Chaired by | Additional District Magistrate |
| Main issues raised during PH | Public asked for improvements in village road infrastructure, electricity, education facilities, medical facilities, employment etc. and expressed their concern about water quality, road, etc. |
| Budget proposed for addressing issues raised during PH | Rs.58.71 Crores (Capital cost), Rs. 21.45 crores per annum (Recurring cost) |

xiv. Details of CTE/CTO, Certified Compliance Report, Past production details: -

| | |
|-----------------------------------|---|
| Consent to Operate (CTO) | Consent to Operate issued by the Maharashtra Pollution Control Board vide Lr No: Format1.0/CC/UAN.NO0000122378/CO2111000155 dated 02.11.2021 for production capacity of 3.0 MTPA for the period upto 31.03.2023. |
| Certified Compliance Report (CCR) | Certified Compliance Report (CCR) issued by the Integrated Regional Office (IRO), Nagpur vide F.No: 3-32/2006 (ENV)/10689 dated 02.12.2022. Site was conducted by IRO on 26.10.2022. It is also submitted that vide letter dated 03.01.2023, IRO Nagpur has submitted |

| | |
|-------------------------|---|
| | the reply against the observation made by IRO during the site inspection on 26.10.2022. |
| Past production details | The District Mining Officer, Gadchiroli vide Lr No. Desk-2/Sr.CI.Mining/Lloyds/34722 dated 28.06.2022 has certified the past production detail for the period 2007-08 to 2021-22. |

xv. Details of Violation:

Initially, the Project Proponent obtained EC on 29.05.2006 under EIA, 1994 and the EC was valid for a period of 5 years only and the Project Proponent operated the mine after 2011 without obtaining EC under EIA Notification, 2006 and hence the project falls under violation case. The Project Proponent did not submit the application under Ministry's Notification S.O 1530(E) dated 06.04.2018. The Project Proponent submitted the revised budget for the violation period 2011-12 to 2022-23 (upto 4th Dec, 2022) that included the damage assessment from Rs 7.30 Cr to Rs 26.64 Cr and the penalty provisions as per SOP dated 07.07.2021 from Rs 0.59 Cr to Rs 5.48 Cr.

a. Remediation, Natural Resource Augmentation Plan, Community Resource Augmentation Plan:

Remediation Plan

| No. | Component Remediation | Remediation Proposed | Description | Locations | Rate | Total Qty. | Total Cost | Year I | Year II | Year III |
|-----|-----------------------|---|--|---|----------------|------------|------------|------------|-----------|----------|
| 1a. | Land Environment | Soil Moisture Conservation and Augmentation of ground water resources | i. Series of SMC in villages | 13 Villages including Parsalgundi GP villages | @10 Lakhs each | 13 | 130,00,000 | 65,00,000 | 60,00,000 | 5,00,000 |
| | | | ii. Augmentation of ground water resources | 2. Aldandi, Bande, Surjagarh, Parsalgundi | @6 Lakhs each | 4 | 24,00,000 | 8,00,000 | 8,00,000 | 8,00,000 |
| 2a. | Air Environment | Dust Suppression | i. Augmentation / Revamping of village roads | 13 Villages including Parsalgundi GP villages | LS | LS | 147,00,000 | 100,00,000 | 40,00,000 | 7,00,000 |
| | | | ii. Truck mounted road s | 2. NH and State Highways (Et | | | 65,00,000 | 55,00,000 | 5,00,000 | 5,00,000 |

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|-----|-------------------|---|---|---|------------------|--------|-----------|-----------|-----------|-----------|
| | | | weep machine for mineral transportation roads | apali to Asthi-353) | | | | | | |
| 2b. | Plantation | Plantation / Greenbelt development & Block Plantation | i. 12000 Nos. Sapling avenue plantation along the roads including maintenance for 3 years | 1. Etapali to Allapali & Etapalli to Bhola pali | @Rs .175/plant | 12000 | 21,00,000 | 7,00,000 | 7,00,000 | 7,00,000 |
| | | | ii. Block Plantation in villages (@2000 saplings / village) | 2. Parsalgundi, Bande, Hedri | @Rs .115/plant | 3x2000 | 6,90,000 | 2,30,000 | 2,30,000 | 2,30,000 |
| 3a. | Water Environment | Water Treatment Plant | i. Water Treatment Plant in villages | 1. Parsalgundi, Bande, Hedri | @Rs .5Lakh each | 3 | 15,00,000 | 5,00,000 | 5,00,000 | 5,00,000 |
| | | | ii. Renovation of village ponds with bathing construction of ghats | 2. Hedri, Parsalgundi, Peta, Todsa, Uderga, | @Rs .2lakh each | 5 | 10,00,000 | 4,00,000 | 4,00,000 | 2,00,000 |
| | | | iii. Provision of Bore Wells with overhead tanks for supply of drinking water | 13 Villages including Parsalgundi GP villages | @Rs .7 Lakh each | 13 | 91,00,000 | 70,00,000 | 11,00,000 | 10,00,000 |

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|-----|------------------------|--|---|---|----|---|-----------|-----------|-----------|----------|
| 4a. | Public Health & Safety | Health Camp, Awareness, Mosquito control | i. Regular health camp in surrounding villages | 1. Health Camps once in a year | LS | L | 26,00,000 | 12,00,000 | 10,00,000 | 4,00,000 |
| | | | ii. Malaria & Breast Cancer Prevention programs | 2. 13 no. of villages | | | 13,00,000 | 6,00,000 | 4,00,000 | 3,00,000 |
| | | | iii. Health Helpers in each villages | 3. Hedri, Surjagarh, Pursulgun di, Manger, Bande, Peta, Parsalgundi, Aldandi, Todsa, Nander | | | 31,20,000 | 15,20,000 | 10,00,000 | 6,00,000 |
| | | | iv. Doorstep ambulance facility for surrounding villages | 4. Ambulance facility | | | 350000 | 000 | 000 | 000 |
| | | | v. Establishment of Sanitary napkins ATM vending machine | 5. Pursulgun di, Hedri & Aldandi | | | 15,00,000 | 5,00,000 | 5,00,000 | 5,00,000 |
| 5a. | Biological Environment | Eco park, Encouragement of Bamboo Plantation | i. Development of 1 no. of Eco Park as per guidelines of Forest Dept. | • E tapali | LS | L | 15,00,000 | 8,00,000 | 5,00,000 | 2,00,000 |
| | | | ii. Development of Bamboo | 2. Hedri, Surjagarh, Pursulgun | | | 7,50,000 | 3,50,000 | 2,00,000 | 2,00,000 |

| | | | | | | | | | | |
|-------|--|--|---------------------------------------|--|--|--|-----------------|-----------------|----------------|---------------|
| | | | oo plant ation i n villag es | di, Manger, Bande, Pet a, Parsalg undi, Aldan di, Todsa, Nander | | | | | | |
| Total | | | | | | | 6,52,6 0,000 | 3,91,00, 000 | 183,30, 000 | 78,30,0 00 |

Natural Resource Augmentation Plan

| • no | Component | Activity Proposed | Description | Locations | Rate | Total Qty. | Total Cost | Year I | Year II | Year III | |
|---------|------------------------------------|--|---|---|---|--------------------|------------|-----------|-----------|-----------|----------|
| | | | | | | | (Rs.) | | | | |
| 1a. | Natural Resource Augmentation Plan | Conservation & Development of ecology and biodiversity | Setting of an Apiary and employment provided to local villagers and production of honey bee in each village | Etapalli for Apiary Centre and cultivation in villages | LS | 1 | 8,40,000 | 3,00,000 | 3,00,000 | 2,40,000 | |
| 1b. | | | Promotion of apiculture, fisheries, dairy farms etc. | 13 Villages including Parsalgundi GP villages | LS | LS | 92,00,000 | 40,00,000 | 40,00,000 | 12,00,000 | |
| 1c. | | | Augmentation of Village ponds | Aldandi, Tumurgunda, Parsalgundi, Todsa, Yelchal, | @ Rs. 5 lakhs/VP | 5 | 5 | 25,00,000 | 15,00,000 | 6,00,000 | 4,00,000 |
| 2a. | | | Ground Water Recharge & Water Conservation | 5 Nos. Rain water harvesting pits to recharge ground water level of the area. | Peta, Parsalgundi, Aldandi, Todsa, Nander | @ Rs. 3 lakhs each | 5 | 5 | 10,00,000 | 5,00,000 | 3,00,000 |

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|-------|--|--|---|--|--------------------|---|------------|-----------|-----------|-----------|
| 2b. | | | Provision of loose boulder gabion checks in village areas | Aldandi, Hedri, Surjagarh, Manger, Bande, Jharweda | @ Rs. 3 Lakhs each | 6 | 18,00,000 | 12,00,000 | 3,00,000 | 3,00,000 |
| Total | | | | | | | 153,40,000 | 75,00,000 | 55,00,000 | 23,40,000 |

Community Resource Augmentation Plan

| • no | Component | Activity Proposed | Description | Locations | Rate | Total Qty | Total Cost | Year I | Year II | Year III |
|------|--------------------------------------|----------------------------|---|---|--------------------|-----------|-------------|-----------|-----------|-----------|
| | | | | | | | (Rs.) | | | |
| 1a. | Community Resource Augmentation Plan | Socio-Economic Environment | i. Local employment (Training) | 1. Local villagers | 1000 nos. | LS | 50,00,000 | 35,00,000 | 10,00,000 | 5,00,000 |
| | | | ii. Garment Unit for Women | Hedri Village | -- | LS | 7,00,000 | 5,00,000 | 2,00,000 | --- |
| | | | ii. Deployment of SHG and financial aid | 2. Peta, Parsalgundi, Aldandi, Todsa, Nander | @ Rs. 5 Lakhs/SHG | 5 | 25,00,000 | 15,00,000 | 5,00,000 | 5,00,000 |
| | | | iii. Kendu leaf hub center for collection and dispersal | 3. Each village in 3 Panchayats | LS | 3 | 6,00,000 | 2,00,000 | 2,00,000 | 2,00,000 |
| | | | iv. Promotion of local play, cultures, | 4. Each village and central academy at Krishnar | @ Rs. 2 Lakhs each | 13 | 13,00,000 | 5,00,000 | 5,00,000 | 3,00,000 |
| 2a. | | | Construction & maintenance | Central Sports Academy | LS | LS | 1,30,00,000 | 50,00,000 | 40,00,000 | 40,00,000 |

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| | | | | | | | | | |
|--|----------------------------|--|------------------------------|----|----|----------|----------|----------|----------|
| | | intenance of Sports facilities like Basketball court, Hockey, Badminton court for children from the nearby areas. The same will be maintained for a further period of two years. | my at Krishna | | | | | | |
| | | Development of Archery Academy | | | | | | | |
| | Infrastructure Development | Encouragement of Common Vehicle Repair Shops in Main Chowks . | 1. Etapali, Allapali, Aasthi | LS | LS | 9,00,000 | 3,00,000 | 3,00,000 | 3,00,000 |
| | | CBSE Residential School | Hedri | | | 690,000 | 400,000 | 290,000 | -- |
| | | 10 bedded Primary Health Center | Hedri | | | 150,000 | 150,000 | --- | -- |
| | | Art & Craft center in each Panchayat - 2 nos. | 3. Pursulgudi & Etapali | | | 20,000 | 12,000 | 4,000 | 4,000 |
| | | Study Library in each Panchayat - 2 nos. | 4. Pursulgudi & Etapali | | | 5,000 | 2,000 | 2,000 | 1,000 |

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| | | | | | | | | | |
|----------------------------------|--|---|---|--|--|-----------|-----------|----------|-----------|
| | | Network Tower establishment for communication | 5. Communication facility in surroundings | | | 60,00,000 | 50,00,000 | 6,00,000 | 4,00,000 |
| Sub Total III (Rs.) | | | | | | 18,58,000 | 12,24,000 | 5,67,000 | 67,00,000 |
| Grand Total (I + II + III) (Rs.) | | | | | | 26,64,000 | 16,90,000 | 8,05,300 | 1,68,700 |

Summary of Remediation, Natural Resource Augmentation Plan, Community Resource Augmentation Plan

| No | Description | Estimated Cost (Rs. Crores) |
|--|--------------------------------------|-----------------------------|
| 1 | Remediation Plan | • 53 |
| 2 | Natural Resource Augmentation Plan | • 53 |
| 3 | Community Resource Augmentation Plan | • 58 |
| Total Damage amount to be given under bank guarantee | | Rs 26.64 |

b. Penalty provisions as per Ministry's SOP dated 07.07.2021

The Project Proponent submitted the revised estimation of penalty provisions as per SOP dated 07.07.2021 as mentioned in table below:

| Particulars | Amount (Rs in Cr) |
|---|-------------------|
| 1 % of the capital cost of Rs. 54 Crores | Rs.0.54 Crores |
| 0.25% of total turnover of Rs. 1975.54 Crores | Rs.4.94 Crores |
| Revised Penalty to be paid to SPCB | Rs.5.48 Crores |

xvi. Rehabilitation & Resettlement (R & R) Plan: The Project Proponent submitted that the mining activities will be carried out within the mine lease area only. The entire mine lease area is a Forest area falling under Bhamragarh Reserve forest. The Forest clearance for the entire forest area is obtained. There is no population within the ML area. Hence, R& R does not arise.

xvii. Details of Court Cases:

| | |
|------------|--|
| Court Case | The Ministry vide letter dated 18.07.2022 requested the Secretary, Dept. of Environment to initiate action under the provisions of section 19 of the Environment (Protection) Act, 1986. |
|------------|--|

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| | |
|--|---|
| | <p>The Maharashtra Pollution Control Board filed a case against Lloyds Metal and Energy Ltd under E (P) Act 1986 (Section 15, 16 and 19) vide case no 128/2022 on 06.12.2022. PP also submitted the certified copy of the court case filed before the Hon'ble Judicial Magistrate, First Class Aheri vide case no: 128/2022 on 06.12.2022.</p> <p>The Project Proponent submitted an undertaking vide letter dated 28.12.2022 stating that there are no other pending cases against Surjagarh Iron Ore mines of Lloyds Metals & Energy Ltd.</p> |
|--|---|

xviii. Affidavit/Undertaking details:

| | |
|----------------------------------|--|
| Undertaking of Project Proponent | Project Proponent submitted an undertaking vide letter dated 18.06.2022 stating that "we undertake to comply all statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India &Ors". |
| Declaration of Project Proponent | Project Proponent has given declaration that "the data given in the EIA/EMP report are factually correct to the best of our knowledge". |
| Undertaking of Consultant | Consultant submitted an undertaking vide letter no nil stating that "the prescribed ToR is complied with and incorporated in the EIA Report. This report is based on the information and data obtained from approved Mining Plan, site visit & field study carried out by specialized agencies/experts. The data generated and given in the EIA/EMP Report are factually correct". |

xix. Details of the Environmental Management Plan (EMP):

| Activities | Capital cost (Rs. in Crores) | Recurring cost (Rs. in Crores/annum) |
|-------------------|------------------------------|--------------------------------------|
| Air Environment | • 255 | • 485 |
| Water Environment | • 400 | • 141 |
| Plantation | • 440 | • 085 |
| Safety | • 500 | • 011 |
| Other | • 830 | • 689 |
| Total | • 425 | • 411 |

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xx. Details of project cost and employment:

| Particulars | (Rs. In Crore) |
|--|---|
| Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing) | Capital Cost of EMP – Rs.4.425 Crores Capital Cost of Public Hearing – Rs.58.71 Crores Total Cost of EMP = Rs.63.135 Crores |
| Project Cost | Rs 364.28 crores. |
| Employment | 5000 people (Direct and Indirect) |

3. Observation and Recommendation of the Committee:

The EAC noted that the initially, the Project Proponent obtained EC on 29.05.2006 under EIA, 1994 and the EC was valid for a period of 5 years, as per Hon'ble Supreme Court Judgement dated 2.08.2017 and the Project Proponent operated the mine after 2011 without obtaining EC under EIA Notification, 2006 and hence the project falls under violation case as per Ministry's SOP dated 07.07.2021.

The Project Proponent presented the KML file to indicate the site features in the study area. The Project Proponent informed the EAC that on the northern side, the nearest village is Moharli, and on western side, the nearest village is Bande, on eastern side, the nearest village is Mallampardi and on the southern side, the nearest village is Hedri. The area is approachable from Gadchiroli via Etapalli-Allapalli- Ashti Road and there are three railway sidings are located in this region. The Project Proponent informed the EAC that the mine is presently operating with a production capacity of 3.0 MTPA of Iron Ore and now it is proposed to expand the production to 10.0 MTPA (ROM).

The Project Proponent informed the EAC that the mine was in operation since 2007. PP also informed that the mine was not in smooth operation and hampered from time to time being a sensitive area (Gadchiroli) owing to frequent Naxalite issues. The mine operation was disturbed from time to time with frequent Naxalite issues from 2007 to 2019 which includes major incidents in the year 2007, 2011, 2013, 2016 and 2019. Till the year 2021-22, only 3.207 Mill. Tons of Iron Ore was mined and 85% of the granted EC capacity (3.0 MTPA) was achieved only in the 2021-22. Since the past 14 years, no progress was made in mine development due to the reason which was beyond the control of the Project Proponent. The company suffered irreparable loss of several lives of employees apart from the huge financial loss. Further, the Project Proponent informed the EAC that the various additional measures have been undertaken to operate this mine. The Proponent also informed that the several infrastructure facilities, health care facilities and basic amenities have been provided to the local community.

The Project Proponent presented the certified compliance report dated 02.12.2022 issued by the Integrated Regional Office, Nagpur before the EAC. The Project

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Proponent informed the EAC that the land has been already identified for establishment of Biodiversity Park and will be developed. There is also no movement of animals in the vicinity of the mine lease area. The EAC opined that the Project Proponent needs to install the cameras all around the mine lease area to identify and ensure the movement of animals. The EAC noted that the earlier Wildlife Conservation Plan was vetted by the Wildlife Institute of India (WII) in the year 2006 and the Project Proponent needs to update the Wildlife Conservation Plan. The Project Proponent informed the EAC that the latest Site Specific Wildlife Management Plan has been prepared and the Project Proponent submitted the latest Wildlife Conservation Plan to State Forest Department vide letter dated 23.12.2022. The EAC asked the Project Proponent whether any beneficiation is proposed. The Project Proponent informed that no beneficiation is proposed and only dry screening proposed and no beneficiation facilities exist in the mine lease area. The Project Proponent informed that the pilot scale study for utilization of Banded Hematite Quartzite (BHQ) is under process. The EAC was of the view that the low grade Iron Ore needs to be effectively utilized. The EAC observed that the Project Proponent is proposing to install stationery integrated Screening and crushing plant of 2000 TPH which is not a part of the prescribed Terms of Reference (ToR) issued by the Ministry vide letter dated 18.07.2022. However, the Project Proponent informed the EAC that the proposal to install stationery integrated Screening and crushing plant of 2000 TPH has been included in the EIA/EMP report and discussed during public hearing. The Project Proponent informed the EAC that the budget of Rs.58.71 Crores (Capital cost) has been earmarked to address the issues raised during Public Hearing with a timeline of three years.

The EAC noted that the Project Proponent has calculated the ecological damage assessment from the year 2018 instead of the year 2011 which is not relevant. The EAC asked the Project Proponent to revise the budget of the damage assessment and the penalty provisions as per SOP dated 07.07.2021 for the violation period by considering it from the year 2011 onwards. The Project Proponent vide email dated 27.12.2022 submitted the revised budget for the violation period 2011-12 to 2022-23 (upto 4th Dec, 2022) that included the damage assessment from Rs 7.30 Cr to Rs 26.64 Cr and the penalty provisions as per SOP dated 07.07.2021 from Rs 0.59 Cr to Rs 5.48 Cr. Then the proposal was again placed before the EAC on 28.12.2022 for due deliberations on the revised damage assessment and penalty provisions. The project proponent submitted the damage assessment and penalty incurred up to date of filing of application for EC under violation SOP for the period 2011-12 to 2022-23 (upto 4th Dec, 2022). The EAC agreed with the submission of the Project Proponent's revised estimation for the violation period 2011-2022-23 (upto 4th Dec) for the damage assessment of Rs 26.64 Cr and Rs 5.48 Cr as per penalty provisions of SOP dated 07.07.2021. The Project Proponent also informed the EAC that the Maharashtra Pollution Control Board filed a case against M/s Lloyds Metal and Energy Ltd under Section 15, 16 and 19 of Environment (P) Act 1986 vide case no 128/2022 (CNR No: MHGA070010902022) on 06.12.2022 and also the PP submitted the certified copy of the court case filed before the Hon'ble Judicial Magistrate, First Class Aheri vide case no: 128/2022 on 06.12.2022.

Further, the Project Proponent submitted an undertaking vide letter dated 28.12.2022 stating that there are no other pending cases against Surjagarh Iron Ore mines of Lloyds Metals & Energy Ltd.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC (Non-Coal Mining) recommended the proposal during the EAC meeting held during 27-28 December, 2022 for grant of Environmental Clearance (EC) under Ministry's SOP dated 07.07.2021 for Surjagarh Iron Ore Mine of M/s. Lloyds Metals & Energy Limited for mining of Iron Ore with production capacity of Iron Ore: 10.0 MTPA (ROM), Waste: 1.769 MTPA (Total Excavation:11.769 MTPA) along with crushing and screening plant (250 TPH – 2 No. Semi mobile Jaw Crusher, 200 TPH – 4 No. Mobile Jaw Crusher, 200 TPH – 4 Nos. Mobile/Semi Mobile Screens, 400 TPH – 5 Nos. Mobile/Semi Mobile Screens, 200 TPH – 6 Nos. Mobile Cone Crusher) in the mine lease area of 348.09 Ha, located near Village Surjagarh, Tehsil Etapalli, District Gadchirolli, Maharashtra subject to the specific conditions in addition to the standard EC conditions applicable for non-coal mining projects.

4. The matter was examined in the EAC in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and the undersigned is directed to say that the Ministry of Environment Forest & Climate Change after accepting the recommendation of EAC during its 8th EAC (Non-Coal Mining) meeting held during 27-28 December, 2022 hereby accords Environmental Clearance (EC) to M/s. Lloyds Metals & Energy Limited for mining of Iron Ore in Surjagarh Iron Ore Mine with production capacity of Iron Ore: 10.0 MTPA (ROM), Waste: 1.769 MTPA (Total Excavation:11.769 MTPA) along with crushing and screening plant (250 TPH – 2 No. Semi mobile Jaw Crusher, 200 TPH – 4 No. Mobile Jaw Crusher, 200 TPH – 4 Nos. Mobile/Semi Mobile Screens, 400 TPH – 5 Nos. Mobile/Semi Mobile Screens, 200 TPH – 6 Nos. Mobile Cone Crusher) in the mine lease area of 348.09 Ha, located near Village Surjagarh, Tehsil Etapalli, District Gadchirolli, Maharashtra subject to compliance of the terms & conditions and the environmental safeguards mentioned below:-

A. SPECIFIC CONDITIONS:

- i. This Environmental Clearance will be valid upto 9 years as the life of the mine is 9 years.
- ii. EAC recommended for an amount of Rs. 26.64/- Cr towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan with budgetary provisions are mentioned below:

Summary of amount for Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan



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| A. No | Description | Estimated Cost (Rs. Crores) |
|-------|--------------------------------------|-----------------------------|
| 1 | Remediation Plan | 6. 53 |
| 2 | Natural Resource Augmentation Plan | • 53 |
| 3 | Community Resource Augmentation Plan | • 58 |
| | Total | • 64 |

Remediation Plan

| No | Component Remediation | Remediation Proposed | Description | Locations | Rate | Total Qty. | Total Cost | Year I | Year II | Year III |
|-----|-----------------------|---|---|---|----------------|------------|------------|------------|-----------|----------|
| 1a. | Land Environment | Soil Moisture Conservation and Augmentation of ground water resources | i. Series of SMC in villages | 13 Villages including Parsalgundi GP villages | @10 Lakhs each | 13 | 130,00,000 | 65,00,000 | 60,00,000 | 5,00,000 |
| | | | ii. Augmentation of ground water resources | 2. Aldandi, Bandedi, Surjagarh, Parsalgundi | @6 Lakhs each | 4 | 24,00,000 | 8,00,000 | 8,00,000 | 8,00,000 |
| 2a. | Air Environment | Dust Suppression | i. Augmentation / Revamping of village roads | 13 Villages including Parsalgundi GP villages | LS | LS | 147,00,000 | 100,00,000 | 40,00,000 | 7,00,000 |
| | | | ii. Truck mounted road sweep machine for mineral transportation roads | 2. NH and State Highways (Etapali to Asthi-353) | | | 65,00,000 | 55,00,000 | 5,00,000 | 5,00,000 |
| 2b. | Plantation | Plantation / Greenbelt development & Block PI | i. 1200 Nos. Sapling avenue plantation along | 1. Etapali to Allapali & Etapali to Bhola pali | @Rs .175/plant | 1200 | 21,00,000 | 7,00,000 | 7,00,000 | 7,00,000 |

| | | | | | | | | | | |
|-----|---------------------------------------|--|--|---|------------------------------|----------------|---------------|---------------|---------------|---------------|
| | | antatio n | g the ro ads incl uding m aintena nce for 3 years | | | | | | | |
| | | | ii. Block Plantati on in vill ages (@2000 saplings / village) | 2. Pars algundi, Ba nde, Hedri | @Rs .115/ plant | 3x 20 00 | 6,90,0 00 | 2,30,00 0 | 2,30,00 0 | 2,30,00 0 |
| 3a. | Water Envir onme nt | Water T reatme nt Plant | i. Wate r Treat ment Pl ant in vil lages | 1. Parsal gundi, Ban de, Hedri | @Rs .5Lak h e ach | 3 | 15,00, 000 | 5,00,00 0 | 5,00,00 0 | 5,00,00 0 |
| | | | ii. Ren ovation of villag e ponds with bat hing co nstructi on of gh ats | 2. Hedri, Parsalgun di, Peta, T odsa, Uder a, | @Rs .2lak h e ach | 5 | 10,00, 000 | 4,00,00 0 | 4,00,00 0 | 2,00,00 0 |
| | | | iii. Provi sion of Bore W ells with overhea d tanks for supp ly of dri nking w ater | 13 Villages including P arsulgundi GP villages | @Rs .7 Lak hs e ach | 13 | 91,00, 000 | 70,00,0 00 | 11,00,0 00 | 10,00,0 00 |
| 4a. | Publi c Hea lth & Safet y | Health Camp, Awaren ess, Mo squito c ontrol | i. Regul ar healt h camp in surro unding villages | 1. Healt h Camps o nce in a ye ar | LS | LS | 26,00, 000 | 12,00,0 00 | 10,00,0 00 | 4,00,00 0 |
| | | | ii. Malari a & Bre ast Can cer Prev ention p rograms | 2. 13 no. of villages | | | 13,00, 000 | 6,00,00 0 | 4,00,00 0 | 3,00,00 0 |

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| | | | | | | | | | | |
|-------|------------------------|--|---|--|----|----|-------------|-------------|------------|-----------|
| | | | iii. Health Helpers in each villages | 3. Hedri, Surjagarh, Pursulgundi, Manger, Bande, Peta, Parsalgundi, Aldandi, Todsa, Nander | | | 31,20,000 | 15,20,000 | 10,00,000 | 6,00,000 |
| | | | iv. Doorstep ambulance facility for surrounding villages | 4. Ambulance facility | | | 350000 | 00000 | 00000 | 00000 |
| | | | v. Establishment of Sanitary napkins ATM vending machine | 5. Pursulgundi, Hedri & Aldandi | | | 15,00,000 | 5,00,000 | 5,00,000 | 5,00,000 |
| 5a. | Biological Environment | Eco park, Encouragement of Bamboo Plantation | i. Development of 1 no. of Eco Parks per guidelines of Forest Dept. | Etapali | LS | LS | 15,00,000 | 8,00,000 | 5,00,000 | 2,00,000 |
| | | | ii. Development of Bamboo plantation in villages | 2. Hedri, Surjagarh, Pursulgundi, Manger, Bande, Peta, Parsalgundi, Aldandi, Todsa, Nander | | | 7,50,000 | 3,50,000 | 2,00,000 | 2,00,000 |
| Total | | | | | | | 6,52,60,000 | 3,91,00,000 | 183,30,000 | 78,30,000 |

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Natural Resource Augmentation Plan

| • n o | Component | Activity Proposed | Description | Locations | Rate | Total Qty. | Total Cost | Year I | Year II | Year III |
|----------|------------------------------------|---|---|--|--------------------|------------|------------|-----------|-----------|-----------|
| | | | | | | | (Rs.) | | | |
| 1a. | Natural Resource Augmentation Plan | Conservation & Development of ecology and biodiversity | Setting of an Apiary and employment provided to local villagers and production of honey bee in each village | Etapalli for Apiary Centre and cultivation in villages | LS | 1 | 8,40,000 | 3,00,000 | 3,00,000 | 2,40,000 |
| 1b. | | | Promotion of apiculture, fisheries, dairy farm etc. | 13 Villages including Parsalgundi GP villages | LS | LS | 92,00,000 | 40,00,000 | 40,00,000 | 12,00,000 |
| 1c. | | Augmentation of Village ponds | Aldandi, Tumurgunda, Parsalgundi, Todsa, Yelchal, | @ Rs. 5 Lakhs/VP | 5 | 25,00,000 | 15,00,000 | 6,00,000 | 4,00,000 | |
| 2a. | | Ground Water Recharge & Water Conservation | 5 Nos. Rain water harvesting pits to recharge ground water level of the area. | Peta, Parsalgundi, Aldandi, Todsa, Nander | @ Rs. 3 Lakhs each | 5 | 10,00,000 | 5,00,000 | 3,00,000 | 2,00,000 |
| 2b. | | Provision of loose boulder gabion checks in village areas | Aldandi, Hedri, Surjagarh, Manger, Bande, Jharweda | @ Rs. 3 Lakhs each | 6 | 18,00,000 | 12,00,000 | 3,00,000 | 3,00,000 | |
| Total | | | | | | | 153,40,000 | 75,00,000 | 55,00,000 | 23,40,000 |

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Community Resource Augmentation Plan

| • no | Component | Activity Proposed | Description | Locations | Rate | Total Qty. | Total Cost | Year I | Year II | Year III | |
|------|--------------------------------------|----------------------------|---|--|---------------------|------------|------------|-----------|-----------|-----------|----------|
| | | | | | | | (Rs.) | | | | |
| 1a. | Community Resource Augmentation Plan | Socio-Economic Environment | i. Local employment (Training) | 1. Local villagers | 1000 nos | L | 50,00,000 | 35,00,000 | 10,00,000 | 5,00,000 | |
| | | | ii. Garment Unit for Women | Hedri Village | -- | L | 7,00,000 | 5,00,000 | 2,00,000 | --- | |
| | | | ii. Deployment of SHG and financial aid | 2. Peta, Parsalgundi, Aldandi, Todsar, Nander | @ Rs. 5 Lakhs / SHG | 5 | | 25,00,000 | 15,00,000 | 5,00,000 | 5,00,000 |
| | | | iii. Kendu leaf hub center for collection and dispersal | 3. Each village in 3 Panchayats | LS | 3 | | 6,00,000 | 2,00,000 | 2,00,000 | 2,00,000 |
| | | | iv. Promotion of local play, cultures, | 4. Each village and central academy at Krischnar | @ Rs. 2 Lakhs each | 13 | | 13,00,000 | 5,00,000 | 5,00,000 | 3,00,000 |
| 2a. | | | Construction & maintenance of Sports facilities like Basketball court, Hockey, Badminton court for children from the nearby areas. The same will be mai | Central Sports Academy at Krischna | LS | L | 1,30,000 | 50,00,000 | 40,00,000 | 40,00,000 | |

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| | | | | | | | | | | |
|---------------------|--|---------------------------------------|---|---|----|----|------------------|------------------|-----------------|---------------|
| | | | ntained f or a furth er period of two ye ars. | | | | | | | |
| | | | Develop ment of A rchery Ac ademy | | | | | | | |
| | | | Encourag ement of Common Vehicle R epair Sho ps in Mai n Chowk s . | 1. Etap ali, Allapali , Aasthi | | | 9,00,00 0 | 3,00,00 0 | 3,00,00 0 | 3,00,0 00 |
| | | | CBSE Re sidential School | Hedri | | | 690,00, 000 | 400,00, 000 | 290,00, 000 | -- |
| | | | 10 bedde d Primary Health C enter | Hedri | | | 150,00, 000 | 150,00, 000 | --- | -- |
| | | Infrastr ucture Develo pment | Art & Cra ft center i n each P anchayat - 2 nos. | 3. Purs ulgudi & Et apali | LS | LS | 20,00,0 00 | 12,00,0 00 | 4,00,00 0 | 4,00,0 00 |
| | | | Study Lib rary in ea ch Panch ayat - 2 nos. | 4. Purs ulgudi & Et apali | | | 5,00,00 0 | 2,00,00 0 | 2,00,00 0 | 1,00,0 00 |
| | | | Network Tower es tablshme nt for co mmunica tion | 5. Commu nication fa cility in sur roundings | | | 60,00,0 00 | 50,00,0 00 | 6,00,00 0 | 4,00,0 00 |
| Sub Total III (Rs.) | | | | | | | 18,58,0 0,000 | 12,24,0 0,000 | 5,67,00 ,000 | 67,00, 000 |

iii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs. 26.64/- Cr. Therefore, Project Proponent shall be required to submit a bank guarantee of an amount of Rs. 26.64/- Cr towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.

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- iv. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- v. The Project Proponent shall be required to remit the amount of Rs 5.48 Cr as per penalty provisions of SOP dated 07.07.2021 into the fund maintained by the concerned State Pollution Control Board. EC shall be issued on submission of proof regarding the same.
- vi. The Environmental Clearance will not be operational till such time the Project Proponent 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.
- vii. State Government concerned shall ensure that mining operation shall not commence 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 the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- viii. The Project Proponent should install the continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- ix. The Project Proponent needs to monitor the air quality, noise level and ground vibration during drilling and blasting at the edge of the mine, near the village, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Integrated Regional Office.
- x. The Project Proponent shall effectively utilize the low grade Iron ore.
- xi. The Project Proponent has submitted the "Site Specific Wildlife Management Plan" to State Forest Department vide letter dated 23.12.2022. The instant EC shall be functional upon the proof of submission of funds for updated/ approved above said plan and its initiation/commencement by Forest Department to IRO/Ministry. Till the time "Site Specific Wildlife Management Plan" is approved, funds are deposited with State Govt. and plan is initiated/commenced, the project proponent shall restrict its production upto 3.0 MTPA.
- xii. The Project Proponent should follow-up the status of implementation on Wildlife Management and Safety Plan from the Forest Officials and the same shall be submitted to the Ministry's Integrated Regional Office in the six monthly compliance report.
- xiii. The Project Proponent needs to install the cameras all around the mine lease area to identify and to ensure the movement of animals.
- xiv. The Project Proponent needs to establish the parks like butterfly park, biodiversity park etc., in the already identified land as committed by the Project Proponent before the EAC.
- xv. The Project Proponent needs to implement the recommendations of the Slope stability study carried out by CSIR- Central Institute of Mining and Fuel Research, Dhanabad. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office (IRO) along with the six monthly compliance report.



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- xvi. The Project Proponent shall adhere to the recommendations of the Ground vibration study carried out by CSIR- Central Institute of Mining and Fuel Research, Dhanabad. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office (IRO) along with the six monthly compliance report.
- xvii. The Project Proponent needs to install the permanent water sprinklers along the haul road and the approach road. 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine lease area. Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.
- xviii. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. The dense plantation shall be carried out in the vicinity of the crusher. The Stack emission monitoring of the Crusher shall be carried out at periodic intervals.
- xix. Vacuum cleaner for cleaning of dust from permanent haul road within the lease area and workshop for vehicle washing facility shall be provided.
- xx. The Project Proponent needs to install the proposed rooftop rainwater harvesting structure and additional rainwater harvesting structures within 6 months from the date of issue of this EC.
- xxi. The budget of Rs. 58.71 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.
- xxii. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs.4.425 Crores. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.
- xxiii. The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.
- xxiv. The Project Proponent needs to complete the entire peripheral plantation under green belt, safety barrier plantation and gap plantation within three years from the start of mining operations. The project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office.
- xxv. The Project Proponent needs to submit the action taken report on plantation, damage recovery, Natural Resource Augmentation Plan (NRAP), Community Resource Augmentation Plan (CRAP) annually to the Ministry's Integrated Regional Office

which should be monitorable and verifiable. The period of addressing these issues is restricted to a period of 3 years.

- xxvi. As committed by the Project Proponent, multi specialty hospital shall be established.
- xxvii. The Project Proponent shall provide the solar pumps to the local farmers.
- xxviii. The Project Proponent shall explore the possibility of using electric/CNG/Solar based equipment's and machineries to reduce the diesel consumption.
- xxix. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- xxx. 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 should be analyzed periodically and improved accordingly.
- xxxi. The Project Proponent needs to obtain the permission for withdrawal of Surface water from the Department of Water Resources, Government of Maharashtra before start of mining operations of this instant EC.
- xxxii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxxiii. The mining lease holder shall, after ceasing mining operations, under take regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.
- xxxiv. The Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.

B. STANDARD CONDITIONS

A. 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 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.

A. 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.

A. 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

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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.
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.

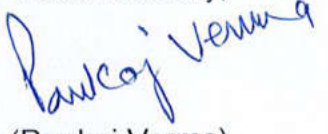
5. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments 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.



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6. 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.

7. This issues with the approval of Competent Authority.

Yours faithfully,

(Pankaj Verma)
Scientist E

Copy to:

- i. The Secretary, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- ii. The Secretary, Department of Environment, Government of Maharashtra, Secretariat, Madam Cama Road, Hutatma Rajguru Chowk, Nariman Point, Mumbai-400032, Maharashtra.
- iii. The Secretary, Directorate of Geology and Mining, Government of Maharashtra Khanij Bhawan, Plot No.27, Shivaji Nagar, Cement Road, Nagpur - 440 010.
- iv. The Secretary, Department of Forests, Government of Maharashtra, M.S.Nagpur, Van Bhavan Ramgiri Road Civil Lines, Nagpur - 440 001.
- v. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, New Delhi - 110 032.
- vi. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440 001.
- vii. The Chairman, Maharashtra State Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
- viii. The Controller General, Indian Bureau of Mines, Indira Bhawan, Civil Lines, Nagpur-440001.
- ix. The Member Secretary, Central Ground Water Board, Ministry of Agriculture and Irrigation, 12/1 Jam Nagar House, Shahjahan road, New Delhi 110011.
- x. The District Collector, Gadchirolli District, Govt. of Maharashtra.
- xi. Guard File.
- xii. PARIVESH Portal.


(Pankaj Verma)
Scientist E

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Digitally signed by Pankaj Verma
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