



File No.: IA-J-11015/45/2023-IA-II(M)
Government of India
Ministry of Environment, Forest and Climate
Change
IA Division



Dated 07/08/2026



To,

M/s. Sobhagya Mercantile Limited
B-61, Floor 6, Plot No. 210, B-Wing, Mittal Tower, Free Press Journal Marg, Nariman Point, Mumbai,
Maharashtra-400021
E-mail: mmiv_sml@themksgroup.com

Subject: **Marki Mangli IV Coal Mine (for the production capacity of 0.2 MTPA within the ML Area of 201.69 ha), by M/s Sobhagya Mercantile Limited, located at: villages: Hirapur, Bhendala, Mangali; District: Yavatmal; State: Maharashtra – Environment Clearance – regarding**

Sir/Madam,

This is with reference to your online application vide proposal no. IA/MH/CMIN/575044/2026 dated 23.05.2026 along with EDS reply dated 15.06.2026 and written submission dated 25.07.2026 seeking for Environmental Clearance under the provision of EIA notification 2006 and as amended therein for the project mentioned above

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A0101MH5601452N
(ii) File No.	IA-J-11015/45/2023-IA-II(M)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vi) Sector	Coal Mining
(vii) Name of Project	Marki Mangli IV Coal Mine (for the production capacity of 0.2 MTPA within the ML Area of 201.69 ha), by M/s Sobhagya Mercantile Limited
(viii) Location of Project (District, State)	Yavatmal, Maharashtra
(ix) Issuing Authority	MoEF&CC
(x) Applicability of General Conditions	Yes

3. M/s. Sobhagya Mercantile Limited has made an online application vide proposal no. IA/MH/CMIN/575044/2026 dated

23.05.2026 followed by the EDS reply on 15.06.2026 along with copy of EIA/EMP report, Common Application Form and Form 1 seeking for Environmental Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above.

4. The proposed project activity is listed at schedule no. 1(a) – Mining of Minerals under Category “A” of the schedule of the EIA Notification, 2006. The project is located at the distance of 2.2 km from the inter-state boundary of Telangana, hence attracts General Condition to the schedule of the EIA Notification, 2006. Therefore, the proposal is being appraised at the Central Level. The instant proposal was considered in 46th EAC meeting held during 08-09th July 2026. The MoM for the same may be seen using the web link: parivesh.nic.in.

Details submitted by the project proponent

5. The project of M/s. Sobhagya Mercantile Limited, located at villages: Hirapur, Bhendala, Mangali; District: Yavatmal; State: Maharashtra is for mining of a Marki Mangli IV Coal Mine for the production capacity of 0.2 MTPA within the ML Area of 201.69 ha.

6. **Environmental Site Settings:** The ML area is covered under Survey of India Topo Sheet No 56-I/13 and is bounded by the geographical coordinates ranging from Latitude 19o 47’ 20” N & 19 o 48’ 32” N and Longitude 78 o 47’ 16” E & 78 o 48’ 33” E. Project does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment 2018.

Forest Area: PP submitted that the project doesn’t involve forest land.

Protected Area: The project is not located within 10 KM of any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/elephant corridor etc.

There is presence of Schedule – I species within the study area (namely: Ptyas mucosa, Naja naja, Python molurus, Varanus bengalnesis, Daboia russelii, Chamaeleo zeylanicus, Pavo cristatus, Gallus sonneratii, Sterna aurantia, Antilope cervicapra, Canis aureus, Canis lupus pallipes, Cervus unicolor, Cuon alpinus, Felis chaus, Gazella bennettii, Herpestes edwardsi, Hyaena hyaena, Hystrix indica, Melursus ursinus, Panthera tigris, Panthera pardus, Tetracerus quadricornis, Muntiacus vaginalis, Manis crassicaudata). Wildlife Conservation Plan based on the latest list of Schedule – I species has been prepared and approved by PCCF (Wildlife), Nagpur vide letter dated 06-04-2026 for an amount of Rs. 304 Lakhs.

Other sensitive receptors:

Project site proximity to sensitive area	Within 5km radius		
i. Habitation	Village	Distance (km)	Direction
	Bhendala	0.8	N
	Mangali	0.1	W
	Hirapur	0.4	S
	Marki Bk	4.35	NS
	Pandharkawada	4.5	N
	Shekapur	4.5	NW
	Khapari	3.18	BW
	Yeoti	3.7	W
	Dhanora	4.84	SW
	Yedalapur	2.68	SW
	Majra	3.85	SW
	Sawali	2.9	NE
	Ardhawan	2.2	N
	Mukutban	4.9	NE
	Bailampur	3.8	SE
	Pimparad	3.82	SE

	<table><tr><td>Rajur</td><td>3.37</td><td>S</td></tr><tr><td>Bhedoda</td><td>4.97</td><td>SW</td></tr><tr><td>Mangrool</td><td>4.5</td><td>SE</td></tr><tr><td>Guda</td><td>4.55</td><td>SW</td></tr><tr><td>Khagdur</td><td>4.74</td><td>S</td></tr></table>	Rajur	3.37	S	Bhedoda	4.97	SW	Mangrool	4.5	SE	Guda	4.55	SW	Khagdur	4.74	S																																																																								
Rajur	3.37	S																																																																																						
Bhedoda	4.97	SW																																																																																						
Mangrool	4.5	SE																																																																																						
Guda	4.55	SW																																																																																						
Khagdur	4.74	S																																																																																						
ii. School	<table><tr><th>Schools</th><th>Distance (km)</th><th>Direction</th></tr><tr><td>Z. P. Pri. School, gadeghat, dhanora</td><td>4.84</td><td>SW</td></tr><tr><td>Z. P. Upp pri. School, hirapur (new)</td><td>0.4</td><td>S</td></tr><tr><td>Z. P. Upp pri. School, rajur</td><td>3.37</td><td>S</td></tr><tr><td>Shetkari high school, mangli</td><td>0.2</td><td>W</td></tr><tr><td>Z. P. Upp pri. School, mangli</td><td>0.1</td><td>W</td></tr><tr><td>Z. P. Pri. School, khapri (fo)</td><td>3.18</td><td>BW</td></tr><tr><td>Z. P. Upp pri. School, ardhvan</td><td>2.2</td><td>N</td></tr><tr><td>Sharadchandra ashram upp pri sch, marki (bk)</td><td>4.35</td><td>NS</td></tr><tr><td>Sharadchandra ashram high sch, marki (bk)</td><td>4.35</td><td>NS</td></tr><tr><td>Z. P. Upp pri. School, marki (bk)</td><td>4.35</td><td>NS</td></tr><tr><td>Vasant eng med school mukutban</td><td>4.9</td><td>NE</td></tr><tr><td>Z. P. Upp pri. School, pandharkawada</td><td>4.9</td><td>NE</td></tr><tr><td>Z. P. Upp pri. School, bahilampur</td><td>3.8</td><td>SE</td></tr><tr><td>Z. P. Pri. School, pimparad</td><td>3.82</td><td>SE</td></tr><tr><td>Sarswati upp pri bal vidyamandir, mukutban</td><td>4.9</td><td>NE</td></tr><tr><td>Z. P. Upp pri. School, mukutban</td><td>4.9</td><td>NE</td></tr><tr><td>Adarsh high school, mukutban</td><td>4.9</td><td>NE</td></tr><tr><td>Rajiv high school, dhanora</td><td>4.87</td><td>SW</td></tr><tr><td>Z. P. Pri. School, dhanora (new)</td><td>4.9</td><td>SW</td></tr><tr><td>Z. P. Pri. School, yeldapur</td><td>2.68</td><td>SW</td></tr><tr><td>Z. P. Pri. School, yevti</td><td>3.7</td><td>W</td></tr><tr><td>Z. P. Upp pri. School, lingti</td><td>3.48</td><td>W</td></tr><tr><td>Z. P. Pri. School, shekapur</td><td>4.5</td><td>NW</td></tr><tr><td>Mpps guda</td><td>4.55</td><td>SW</td></tr><tr><td>Mpps khogdur</td><td>4.7</td><td>S</td></tr><tr><td>TWPS Mangrood</td><td>4.5</td><td>SE</td></tr><tr><td>Zphs Khogdur</td><td>4.7</td><td>S</td></tr><tr><td>Mpps Manyarpur</td><td>4.9</td><td>SW</td></tr></table>	Schools	Distance (km)	Direction	Z. P. Pri. School, gadeghat, dhanora	4.84	SW	Z. P. Upp pri. School, hirapur (new)	0.4	S	Z. P. Upp pri. School, rajur	3.37	S	Shetkari high school, mangli	0.2	W	Z. P. Upp pri. School, mangli	0.1	W	Z. P. Pri. School, khapri (fo)	3.18	BW	Z. P. Upp pri. School, ardhvan	2.2	N	Sharadchandra ashram upp pri sch, marki (bk)	4.35	NS	Sharadchandra ashram high sch, marki (bk)	4.35	NS	Z. P. Upp pri. School, marki (bk)	4.35	NS	Vasant eng med school mukutban	4.9	NE	Z. P. Upp pri. School, pandharkawada	4.9	NE	Z. P. Upp pri. School, bahilampur	3.8	SE	Z. P. Pri. School, pimparad	3.82	SE	Sarswati upp pri bal vidyamandir, mukutban	4.9	NE	Z. P. Upp pri. School, mukutban	4.9	NE	Adarsh high school, mukutban	4.9	NE	Rajiv high school, dhanora	4.87	SW	Z. P. Pri. School, dhanora (new)	4.9	SW	Z. P. Pri. School, yeldapur	2.68	SW	Z. P. Pri. School, yevti	3.7	W	Z. P. Upp pri. School, lingti	3.48	W	Z. P. Pri. School, shekapur	4.5	NW	Mpps guda	4.55	SW	Mpps khogdur	4.7	S	TWPS Mangrood	4.5	SE	Zphs Khogdur	4.7	S	Mpps Manyarpur	4.9	SW
Schools	Distance (km)	Direction																																																																																						
Z. P. Pri. School, gadeghat, dhanora	4.84	SW																																																																																						
Z. P. Upp pri. School, hirapur (new)	0.4	S																																																																																						
Z. P. Upp pri. School, rajur	3.37	S																																																																																						
Shetkari high school, mangli	0.2	W																																																																																						
Z. P. Upp pri. School, mangli	0.1	W																																																																																						
Z. P. Pri. School, khapri (fo)	3.18	BW																																																																																						
Z. P. Upp pri. School, ardhvan	2.2	N																																																																																						
Sharadchandra ashram upp pri sch, marki (bk)	4.35	NS																																																																																						
Sharadchandra ashram high sch, marki (bk)	4.35	NS																																																																																						
Z. P. Upp pri. School, marki (bk)	4.35	NS																																																																																						
Vasant eng med school mukutban	4.9	NE																																																																																						
Z. P. Upp pri. School, pandharkawada	4.9	NE																																																																																						
Z. P. Upp pri. School, bahilampur	3.8	SE																																																																																						
Z. P. Pri. School, pimparad	3.82	SE																																																																																						
Sarswati upp pri bal vidyamandir, mukutban	4.9	NE																																																																																						
Z. P. Upp pri. School, mukutban	4.9	NE																																																																																						
Adarsh high school, mukutban	4.9	NE																																																																																						
Rajiv high school, dhanora	4.87	SW																																																																																						
Z. P. Pri. School, dhanora (new)	4.9	SW																																																																																						
Z. P. Pri. School, yeldapur	2.68	SW																																																																																						
Z. P. Pri. School, yevti	3.7	W																																																																																						
Z. P. Upp pri. School, lingti	3.48	W																																																																																						
Z. P. Pri. School, shekapur	4.5	NW																																																																																						
Mpps guda	4.55	SW																																																																																						
Mpps khogdur	4.7	S																																																																																						
TWPS Mangrood	4.5	SE																																																																																						
Zphs Khogdur	4.7	S																																																																																						
Mpps Manyarpur	4.9	SW																																																																																						
iii. River/ Water body	<table><tr><th>Water body</th><th>Distance (Km)</th><th>Direction</th></tr><tr><td>Penganga River (HFL : 203.60 AMSL)</td><td>2.2 Km</td><td>S</td></tr><tr><td>Bhaduk Nala</td><td colspan="2">Adjacent to NW</td></tr><tr><td>Upasa Nala</td><td colspan="2">Partly within ML(N)</td></tr><tr><td>Dodhani Nala</td><td>3.6 km</td><td>E</td></tr><tr><td>Other three seasonal nallas passing from N and SE part of the lease.</td><td colspan="2">Within ML</td></tr><tr><td>Mukutban Reservoir</td><td>4.6 Km</td><td>E</td></tr></table>	Water body	Distance (Km)	Direction	Penganga River (HFL : 203.60 AMSL)	2.2 Km	S	Bhaduk Nala	Adjacent to NW		Upasa Nala	Partly within ML(N)		Dodhani Nala	3.6 km	E	Other three seasonal nallas passing from N and SE part of the lease.	Within ML		Mukutban Reservoir	4.6 Km	E																																																																		
Water body	Distance (Km)	Direction																																																																																						
Penganga River (HFL : 203.60 AMSL)	2.2 Km	S																																																																																						
Bhaduk Nala	Adjacent to NW																																																																																							
Upasa Nala	Partly within ML(N)																																																																																							
Dodhani Nala	3.6 km	E																																																																																						
Other three seasonal nallas passing from N and SE part of the lease.	Within ML																																																																																							
Mukutban Reservoir	4.6 Km	E																																																																																						
iv. Forest	<table><tr><th>Particulars</th><th>Distance (In km)</th><th>Direction</th></tr><tr><td>Ardwan Reserve Forest</td><td>0.5 km</td><td>W & NW</td></tr><tr><td>Sekapur Reserve Forest</td><td>1.9 km</td><td>NW</td></tr><tr><td>Ruikot Reserve Forest</td><td>2.2 km</td><td>NE</td></tr><tr><td>Unnamed Reserve Forest</td><td>Adjacent</td><td>N</td></tr></table>	Particulars	Distance (In km)	Direction	Ardwan Reserve Forest	0.5 km	W & NW	Sekapur Reserve Forest	1.9 km	NW	Ruikot Reserve Forest	2.2 km	NE	Unnamed Reserve Forest	Adjacent	N																																																																								
Particulars	Distance (In km)	Direction																																																																																						
Ardwan Reserve Forest	0.5 km	W & NW																																																																																						
Sekapur Reserve Forest	1.9 km	NW																																																																																						
Ruikot Reserve Forest	2.2 km	NE																																																																																						
Unnamed Reserve Forest	Adjacent	N																																																																																						

	<table><tr><th>Particulars</th><th>Distance (In km)</th><th>Direction</th></tr><tr><td>Unnamed Reserve Forest</td><td>0.4 km</td><td>SE</td></tr></table>	Particulars	Distance (In km)	Direction	Unnamed Reserve Forest	0.4 km	SE																																															
Particulars	Distance (In km)	Direction																																																				
Unnamed Reserve Forest	0.4 km	SE																																																				
v. Archaeological Survey of India (ASI) protected site	Nil																																																					
vi. Any Other	<table><tr><td colspan="2">1. Nearby Mines/ industries</td><td></td></tr><tr><th>Particulars</th><th>Distance (in km)</th><th>Direction</th></tr><tr><td>Marki-Mangli I Coal Mine</td><td>3.86</td><td>N</td></tr><tr><td>Marki Mangli II Coal Mine</td><td>3.56</td><td>NE</td></tr><tr><td>Marki Mangli III Coal Mine</td><td>1.22</td><td>NE</td></tr><tr><td>Marki – Zari –Jamani –Adkoli opencast Coal Block</td><td>6.27</td><td>N</td></tr><tr><td>RCCPL Limestone Mine</td><td>3.77</td><td>E</td></tr><tr><td>Limestone & Dolomite mines in Hiwardara & Adegaon villages</td><td>10</td><td>E & NE</td></tr></table> <table><tr><td colspan="2">2. Hospitals/ health centers</td><td></td></tr><tr><th>Particulars</th><th>Distance (in km)</th><th>Direction</th></tr><tr><td>Dhanora</td><td>4.8</td><td>SW</td></tr><tr><td>Mangali</td><td>0.1</td><td>W</td></tr><tr><td>Lingati</td><td>3.5</td><td>E</td></tr><tr><td>Pandharkawada</td><td>4.5</td><td>N</td></tr><tr><td>Marki Bk</td><td>4.4</td><td>NS</td></tr><tr><td>Pimparadwadi</td><td>3.7</td><td>E</td></tr><tr><td>Pimparadwadi</td><td>3.7</td><td>E</td></tr></table>			1. Nearby Mines/ industries			Particulars	Distance (in km)	Direction	Marki-Mangli I Coal Mine	3.86	N	Marki Mangli II Coal Mine	3.56	NE	Marki Mangli III Coal Mine	1.22	NE	Marki – Zari –Jamani –Adkoli opencast Coal Block	6.27	N	RCCPL Limestone Mine	3.77	E	Limestone & Dolomite mines in Hiwardara & Adegaon villages	10	E & NE	2. Hospitals/ health centers			Particulars	Distance (in km)	Direction	Dhanora	4.8	SW	Mangali	0.1	W	Lingati	3.5	E	Pandharkawada	4.5	N	Marki Bk	4.4	NS	Pimparadwadi	3.7	E	Pimparadwadi	3.7	E
1. Nearby Mines/ industries																																																						
Particulars	Distance (in km)	Direction																																																				
Marki-Mangli I Coal Mine	3.86	N																																																				
Marki Mangli II Coal Mine	3.56	NE																																																				
Marki Mangli III Coal Mine	1.22	NE																																																				
Marki – Zari –Jamani –Adkoli opencast Coal Block	6.27	N																																																				
RCCPL Limestone Mine	3.77	E																																																				
Limestone & Dolomite mines in Hiwardara & Adegaon villages	10	E & NE																																																				
2. Hospitals/ health centers																																																						
Particulars	Distance (in km)	Direction																																																				
Dhanora	4.8	SW																																																				
Mangali	0.1	W																																																				
Lingati	3.5	E																																																				
Pandharkawada	4.5	N																																																				
Marki Bk	4.4	NS																																																				
Pimparadwadi	3.7	E																																																				
Pimparadwadi	3.7	E																																																				

Details of diversions proposed or previously diverted:

S. No.	Surface Feature/ Constraints	Proposed Diversion (if any)	Remark
1.	Railway Line	No Diversion Proposed	As per approved mining plan safety barrier will be left against Railway acquired land. If applicable, necessary permission will be taken from Indian Railway
2.	State Highway SH-234 Mukutban – Patan (1800 m)	Proposed to be Diverted	Will be done after obtaining permission from PWD.
	Village Roads Mangli-Hirapur Road (825 m) and Mangli – Ardwan Road (945 m)	Proposed to be Diverted	Will be done after obtaining permission from PWD.
3.	Power Line (33 KV & 2 nos of 11 KV)	Proposed to be Diverted	Will be done after obtaining permission from MSTDCL
4.	Nala Diversion • 3 seasonal nalas in SE direction of ML shall be realigned into on	Proposed to be Diverted at the start of the project commencement Proposed to	Permission from Irrigation Department has been obtained. (NOC issued by Suptd. Engineer, Yavatmal Irrigation

S. No.	Surface Feature/ Constraints	Proposed Diversion (if any)	Remark
	Channel in SE direction • One Nala on NW direction Side to be realigned into one channel in NW direction.	be Diverted after 6 the commencement year of the project	Circle, Govt of Maharashtra on 13.03.2024).
5.	Village Hamlet Mangli	Proposed to be Resettled after 6 th year of the project commencement	R&R plan prepared as per statute and approval accorded by Hon'ble Collector, Yavatmal on 15-12-2025. This will be implemented accordingly.

Mitigation measures proposed for the sensitive receptors:

Mitigation Measures at the source level and an overall Management Plan at the Study Area Level have been given in the final EIA/EMP so as to improve the supportive capacity of the Study Area and also to preserve the assimilative capacity of the receiving bodies. The mining operations will be carried out in line with the provisions of Mining Statutes. The proposed Mitigative Measures for environmental pollution control will be adopted during operation of the Marki Mangli IV Coal Mine Project so that the impacts on the surrounding especially the sensitive receptors are minimal/ insignificant and the same are summarized below under various head:

S. No.	Activity	Details
A. Proposed Air Pollution Control Measures		
1.	Mobile Dust Sprinklers	Truck Mounted Tanker with Mist Spray Sprinkling Arrangement (25m) for Haul Roads/Mine/Safety zone etc.- - 1 no. Mobile Water Mist Spray Sprinkler for transport route – 1 no.
2.	Fixed Sprinklers	Fixed type Mist spray at Coal stock pile/crusher/Transfer Points etc.- 2 nos.
3.	Mechanical Sweeping Machines	Mechanized Sweeping of Roads by Electrically Operated – 4 nos.
B. Proposed Water Pollution Control Measures		
1.	Sedimentation tank	Sedimentation tank for mine water (01 no.) of dimensions: - 30 m x 20 m x 3 m
2.	ETP	ETP (01 no) of 30 KLD
3.	Garland Drain & Boulder Check Dam	Garland Drain around OB dumps and boulder check dams at selected locations on various drainage lines
C.	Plantation/ Biological Reclamation	Covering 153.0621 ha (out of total project area of 201.69 ha) over the life of the mine. Nos. - 382655
D. Environment Monitoring & Management		
1.	Environment Monitoring & Management	Proposed Manual /continuous monitoring for air and Ground water, Surface Water other Env. monitoring)
2.	CAAQMS	Proposed 2 nos. of CAAQMS – 1 each in Core & Buffer Zone
3.	Noise monitoring, Vibration Monitoring, Ground Water Level Monitoring	Noise monitoring (5), Vibration Monitoring (1), Piezometers (10)

Mine Lease:

S. No.	Govt. Order/ Notifications as the case may be	Area (ha)
1	Initially, the Marki Mangli II, III & IV Coal Blocks comprising of Mining lease of 785 Hectare area was originally allocated by MOC through auction process in favour of Shree Veerangana Steels Pvt. Ltd, Nagpur, in 2005. Ministry of Coal has cancelled all allocated coal blocks in the year 2014 following the Hon'ble Supreme Court of India order vide judgment dated 25th August, 2014 read with its order dated 24th September, 2014 and the Central Government in pursuance of the said directions has taken immediate action to implement the said order.	785.20
2	Subsequently, in the auction conducted by the Nominated Authority, Ministry of Coal in accordance with the provisions of clause (b) of sub-rule (2) of rule 7 and sub-rule (1) of	210.00 (Block Area) 201.69 Mine Lease

	rule 13 of the Coal Mines (Special Provision) Rules 2014 read with the clause (b) of sub-section (3) of Section 8 of the Coal Mines (Special Provisions) Act, 2015, M/s Sobhagya Mercantile Limited ,B-61, Floor 6, Plot No.210, B-Wing, Mittal Tower, Free Press Journal Marg, Nariman Point, Mumbai – 400021, Maharashtra emerged as Successful Bidder . Subsequent to the declaration as Successful Bidder, the Nominated Authority, Ministry of Coal under Section (6) of the Coal Mines (Special Provisions) Act, 2015 issued the Vesting Order for Marki Mangli IV Coal Mine project with Vesting Order No. NA-104/25/2022-NA dated the 17 th January 2023 in favour of M/s Sobhagya Mercantile Limited (SML)	Area
	Total-1	210.00/201.69
3.	Outside lease area, Private Negotiations	Nil
	Grand Total	210.00/201.69

7. Details of ToR:

Date of Application	Details	Date of Accord	ToR Validity
21-11-2023	Proposed capacity of 0.20 MTPA within the existing EC land area/ML area of 201.69 ha	03-06-2024	02.06.2028
31-07-2024	Amendments in certain conditions of TOR	24-03-2025	02.06.2028

8. Method of Mining and Mine Plan: Approval of revised Mining Plan including Mine Closure Plan has been obtained from the Ministry of Coal vide letter no. MARKI MANGLI IV COAL MINE MHMR035 /APP00309/2023 dated 11.02.2025 for a capacity of 0.20 MTPA (Normative) & 0.30 MTPA (Peak) and crushing of 909 cum/day of OB for M-SAND.

i. Method of Mining to be adopted shall be Opencast. Excavation of Coal is proposed through Shovel-Dumper Combination with drilling & blasting for both OB and coal.

ii. Total geological reserve reported in the mine lease area is 4.89 MT with 3.47 MT mineable reserve. Out of total mineable reserve of 3.47 MT, 3.37 MT are available for extraction as on 01.04.2026. Percent of extraction is 76.59 %.

iii. One composite seam with thickness ranging from 0.6 m – 4.08 m is workable. Grade of coal is G-8., stripping ratio 1:13.06.

iv. Life of mine is 19 years.

v. Top soil to be generated is 0.74 Mm³. And the same will be stored quarry-wise in a separate temporary top soil dump and will be used to spread over the internal dumps.

vi. The project has two external OB dumps (both temporary) in an area of 19.73 ha (10 ha + 9.73 ha) with 60 m height and 3.85 Mm³ of OB. Both these dumps will be completely re-handled for filling the quarry void. There will be two internal OB dumps, one in each quarry covering an area of 144.70 ha with 38.30 Mm³ of OB is envisaged in the project.

vii. Land use pattern

A. Pre Mining:

S. No.	Land Use	Within ML Area (ha)	Outside ML Area (ha)	Total (ha)
1	Agricultural Land	168.16	-	168.16
2	Forest Land	Nil	-	-
3	Waste land	-	-	-
4	Grazing Land	9.01	-	9.01
5	Surface Water Bodies	2.23	-	2.23

S. No.	Land Use	Within ML Area (ha)	Outside ML Area (ha)	Total (ha)
6	Settlements	8.09	-	8.09
7	Others (specify) For Railway acquired (6.86 ha) & Roads (7.34 ha)	14.20	-	14.20
	Total	201.69	-	201.69

B. Post-Mining

S. No.	Type	Total Area (ha)	Reclaimed Area (ha)	Un-reclaimed area (ha)
1.	Excavation/ Quarry Area:	150.38		-
	(a) Backfilled areas	144.70	144.70	
	(b) Excavated Void	5.68	-	5.68
2.	External Dump	Temporary and will be re-handled for backfilling quarry void		
3	Safety Zone	5.69	5.69	
4	Road & Infrastructure	16.50	-	16.50
5	Others	29.12	2.6721	26.4479
	Total	201.69	153.0621	48.6271

viii. **Details of transportation of Coal:** The coal is proposed to be transported within and outside mining lease in the following manner:

- In pit to surface:** Through dumpers
- Surface to siding/ Stockyard:** Entire transportation of coal and sand will be by road through State Highway 234 directly to the miscellaneous customer within 50 km distance.
- Quantity being transported by Road/ Rail/ Conveyer/ ropeway:** Proposed quantity by road only Coal 606 tpd & Sand 900 m³/day.

ix. **Details of Reclamation:** Afforestation shall be done progressively covering an area of 153.0621 ha at the end of mining. This will include reclaimed internal OB dump of 144.70 ha, Green belt of 8.3621 ha (Safety zone, Road & Infrastructure). Density of tree plantation shall be 2500 trees per ha. Apart from this void of 5.68 ha at a depth of 40 m is proposed to be converted into water body.

9. Baseline Data:

Period	October – December 2023
AAQ parameters at 12 Locations (min and max)	Core Zone: - PM ₁₀ = 48.2 to 55.4 µg/m ³ PM _{2.5} = 19.4 to 27.8 µg/m ³ SO ₂ = 14.6 to 19.7 µg/m ³ NO _x = 16.7 to 21.8 µg/m ³ CO = 0.437 To 0.526 mg/m ³ Buffer Zone: PM ₁₀ = 41.8 to 63.5 µg/m ³ PM _{2.5} = 12.1 to 38.0 µg/m ³ SO ₂ = 10.9 to 26.1 µg/m ³ NO _x = 14.8 to 34.7 µg/m ³ CO = 0.248 to 0.811 mg/m ³
Incremental GLC Level	Core Zone: - PM ₁₀ = 1.64 µg/m ³ PM _{2.5} = 0.3 µg/m ³ SO ₂ = 0.3 µg/m ³ NO _x = 6.69 µg/m ³

Period	October – December 2023				
	Buffer Zone: - $PM_{10} = 0.03- 0.30 \mu g/m^3$ $PM_{2.5} = 0.002 -0.06 \mu g/m^3$ $SO_2 = 0.04 – 0.70 \mu g/m^3$ $NO_x = 0.05-0.60 \mu g/m^3$				
Ground water quality at 8 nos of Locations	pH: 7.0 to 8.30 Total Hardness: 158 to 272mg/l, Total Dissolved Solids: 422 to 673 mg/l Chlorides: 65.0 to 172.0 mg/l, Sulphates: 76.0 to 161.0 mg/L Nitrates: 11.2 to 26.1 mg/L Fluoride: 0.412 to 0.962 mg/l. Arsenic, Cadmium, Mercury, Chromium, Selenium, Lead: BDL Iron: BDL Manganese: BDL Zinc: BDL Total Coliform - Absent				
Surface water quality at 8 nos of Locations	pH: 7.71 to 8.23 Total Hardness: 202 to 398mg/ DO: 4.5 to 5.0 mg/l Total Dissolved Solids: 273 to 567 mg/l BOD: 2.0 to 6.0 mg/l. COD: 4 to 8 mg/l Chlorides: 20.3 to 49.0 mg/l Sulphates: 69.4 to 346.0 mg/L Nitrates: 12.2 to 62.4 mg/L Fluoride: 0.132 to 0.486 mg/l. Arsenic, Cadmium, Mercury, Chromium, Selenium, Lead: BDL Iron: BDL Manganese: BDL Zinc: BDL Total Coliform: 200 to 700 MPN/100 ml				
Noise levels Leq (Day and Night)	Core Zone: Day Time – 42.0 to 48.2 dB(A) Night Time – 37.9 to 44.2 dB(A) Buffer Zone: Day Time - 39.5 to 54.8 dB(A) Night Time - 37.5. to 47.4 dB(A) .				
Traffic assessment study findings	Traffic study has been conducted at SH-234 which is passing through the mine lease & proposed to be diverted within the mine lease. Transportation of mineral will be done 100 % by road. Existing PCU is 160 PCU/hr on SH-234 (NH/SH/MDR) and existing level of service (LOS) is: A				
	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS
	SH-234	160	15000	0.02	A
	PCU load after proposed project will be 160 (Existing) + 336 (Additional) PCU/hr and level of service (LOS) will be:				
	Road	V	C	Existing V/C	LOS

Period	October – December 2023				
		(Volume in PCU/hr.)	(Capacity in PCU/hr.)	Ratio	
	SH-234	496	15000	0.03	A
	Note: Capacity as per IRC Manual (IRC: 64-1990) Guide line for capacity for roads. Conclusion: The level of service will still remain in A Category after including additional traffic due to proposed project.				
Flora and fauna	WLCP has been approved by Competent Authority dated 06.04.2026.				
	S. No.	Scientific name	Common name	Schedules As per WPA 1972 updated on 01.04.2023	
	1.	<i>Ptyas mucosa</i>	Common rat snake	I	
	2..	<i>Naja naja</i>	Indian Cobra	I	
	3.	<i>Python molurus</i>	Rock python	I	
	4.	<i>Varanus bengalnesis</i>	Bengal Monitor Lizard	I	
	5.	<i>Daboia russelii</i>	Russels Viper	I	
	6.	<i>Chamaeleo zeylanicus</i>	Indian Chameleon	I	
	7.	<i>Pavo cristatus</i>	Peacock	I	
	8.	<i>Gallus sonneratii</i>	Grey Jungle Fowl	I	
	9.	<i>Sterna aurantia</i>	River Tern	I	
	10.	<i>Antilope cervicapra</i>	Blackbuck	I	
	11.	<i>Canis aureus</i>	Jackal	I	
	12.	<i>Canis lupus pallipes</i>	Indian Wolf	I	
	13.	<i>Cervus unicolor</i>	Sambar	I	
	14.	<i>Cuon alpinus</i>	Wild Dog	I	
	15.	<i>Felis chaus</i>	Jungle cat	I	
	16.	<i>Gazella bennettii</i>	Chinkara	I	
	17.	<i>Herpestes edwardsi</i>	Indian Grey mongoose	I	
	18.	<i>Hyaena hyaena</i>	Hyaena	I	
	19.	<i>Hystrix indica</i>	Indian Porcupine	I	
	20.	<i>Melursus ursinus</i>	Sloth bear	I	
	21.	<i>Panthera tigris</i>	Tiger	I	
	22.	<i>Panthera pardus</i>	Leopard	I	
	23.	<i>Tetracerus quadrieornis</i>	Four Horned Antelope	I	
	24.	<i>Muntiacus vaginalis</i>	Barking Deer	I	
	25.	<i>Manis crassicaudata</i>	Indian Pangolin	I	
Water Requirement	Source of Water: Strata seepage mine water & Bore well Ground Water Intersection: Yes Ground Water level: Core Zone (within 2 km from Mine Lease)– Pre – Monsoon: 3 m to 14 m bgl Post Monsoon: 0.4 m to 6.2 m bgl Buffer Zone (10 km radius from Mine Lease): Pre – Monsoon: 6 m to 22m bgl Post Monsoon: 2.5 m to 21 m bgl Water Requirement: 300 m³/day NOC (For surface water): Not Applicable NOC (Ground Water): 60 m ³ /day. Existing NOC for ground water abstraction has been obtained vide NOC/MIN/MH/2025/2988/N (valid upto 07.05.2027). For additional				

Period	October – December 2023
	quantity, application shall be made at the time of renewal

10. Details of water requirement: Water requirement for the said project is 300 KLD (125 m³ /day for Dust Suppression; 115 m³ /day for green belt; 50 m³ for Workshop and 10 m³ /day for drinking & domestic) and the same will be sourced from strata seepage mine water & borewell. NOC for ground water abstraction has been obtained vide NOC/MIN/MH/2025/2988/N (valid upto 07.05.2027) for 60 KLD and for the remaining quantity fresh application will be submitted by the PP at the time of requirement. 3 seasonal nalas in SE direction of ML are proposed to be realigned into on Channel in SE direction. One Nala on NW direction Side is proposed to be realigned into one channel in NW direction.

11. Details of power requirement and diversion of transmission line/ Hi-tension line: Total power requirement for the said project is 1.3 MVA and the same will be sourced from Maharashtra State Grid. There are 3 No's of various capacity power lines passing through the block. These include 33 KV Feeder line (Patan Feeder), one 11 KV feeder line (Mangli feeder) and one 11 KV feeder line (Ardhwan feeder) which will need to be diverted. As such a total of three nos. of power lines are proposed to be diverted after obtaining due permissions.

12. Details of Solid and Hazardous Waste:

S. No.	Type of Waste	Source	Quantity (TPA)	Mode of Treatment	Disposal	Remarks
1	Oil & grease	Workshop, Store	2.2	Oil & grease trap	By road	Through authorized recycler
2	Solid waste	OB excavation	5400000	No treatment	By road	Dumped on temporary external dumps and subsequently rehandled for backfilling in de-coaled voids within ML area as well as direct dumping in in quarry void and partly for M-Sand through crushing.

13. Public Consultation/ Hearing: PP submitted the following details of Public Consultation:

Details of advertisement given	English: The Times of India, on 29.01.2026 Marathi: Lokmat on 29.01.2026 <u>Corrigendum for re- scheduled PH</u> English: The Times of India, on 30.01.2026 Marathi: Lokmat on 30.01.2026
Date of public consultation	06.03.2026
Venue	Project Site
Presiding Officer	Collector, Yavatmal
Number of Person Attended Hearing	300 (approx.)
Number of representations received in writing from the district and outside of district, please give details:	Oral -25 Written - 19
Major issues raised	The major issues on environmental matters raised during the Public Hearing can be summarized as below: - • Dust Pollution/ Air Pollution & Noise Pollution due to proposed mining activities • Crop damage due to proposed mining activities • Health issues due to proposed mining activities

	• Accidents due to road traffic during coal transportation In addition, there were some specific issues raised during the Public Hearing which can be summarized as below: - • Compensation to the deceased family member in an event of loss of life due to the company's transportation activities. • Agricultural land should be purchased in entirety before commencement of project • Farmers whose lands are acquired should be given permanent employment as per the WCL norms • Farmers whose lands are acquired should be granted shares in the company's profits • Development works to be carried out in affected villages • Wildlife management with mitigation measures • Structural audit of all houses
--	--

Action plan as per MoEF&CC O.M. dated 30/09/2020

S. No.	Physical Activity and Action Plan		Year of Implementation (Budget in Rs. Lakhs)			Total Expenditure (Rs. Lakhs)
	Name of Activity	Physical Targets	1 st Year	2 nd Year	3 rd Year	
	PUBLIC HEARING BASED ACTIVITIES					
1.	Measures for Air Pollution Control & Noise Pollution Control	Procurement, installation, operation & Maintenance of 1 no. of Mobile Mist Spray DSS including recurring cost.	25.00		-	25.00
		Black topping of the transport road from Coal Stock Yard to SH-234 (1.30 km)	5.00	5.00	-	10.00
		Installation of Green Netting/ Galvanized sheet at sensitive locations on both sides of transport road	5.00	5.00	-	10.00
		Procurement, installation, operation & Maintenance of Mechanized Sweeping machines (1 no.) on the Transport route	20.00		-	20.00
		Development of Avenue Plantation along transport route (1.30 km) with tree guard per road kilometer 3 tier plantation of 500 per tier on both sides with tree guards i.e. approx. 3000 trees on both sides along the sensitive locations of 1.3 km length. Rate per plant including fertilizer, etc. is Rs. 150 and tree guard @ Rs. 150 has been considered.	4.50	4.50	-	9.00
		Conversion of the transport Fleet in a phased manner to CNG/LNG/EV.	35.00	35.00	30.00	100.00
		Carrying out regular air quality monitoring on the Transport route	4.00	3.00	3.00	10.00
2	Assessment & Payment for Crop damage	The crop damage assessment (if any) will be assessed by State Government and paid accordingly.		-	-	
3	Primary Health Care Facility	M/s SML assures to extend all medical facilities /treatment to affected persons.	1.5	1.00	1.00	3.50
		Appropriate actions for addressing health issues and safety issues will continue to be addressed strictly.	4.00	3.00	3.00	10.00
		Periodic health monitoring camps shall be organized for local residents and transport	4.00	3.00	3.00	10.00

S. No.	Physical Activity and Action Plan			Year of Implementation (Budget in Rs. Lakhs)			Total Expenditure (Rs. Lakhs)
	Name of Activity	Physical Targets		1 st Year	2 nd Year	3 rd Year	
		workers to assess respiratory health, hearing capacity, and general well-being.					
		Awareness programs will be conducted to educate drivers, workers, and villagers on health risks associated with coal dust exposure, use of personal protective measures, safe driving practices, and reporting of health concerns.		3.00	2.00	2.00	7.00
	Year	Village	Camps Nos.				
	1 st	Mangli	3				
	2 nd	Bhendala	3				
	3 rd	Hirapur	3				
4	Prevention of Accidents due to Transportation	Traffic management measures, including installation of road signage, speed breakers, reflective markers, and warning boards, shall be provided along the transport route.		4.00	3.00	3.00	10.00
		Regular maintenance and repair of the transport road. (Considering approximately Rs. 1.50 lakhs/annum)		2.50	2.50	2.50	7.50
		Installation, Operation & Maintenance of CCTV cameras for monitoring loading and transport, dust generation monitoring, traffic management measures, reflectors, signages, etc. (3 locations)		5.00	-	-	5.00
		TOTAL		122.50	67.00	47.50	237

14. EMP Budget: Proposed capital cost of project is Rs 10200 Lakhs. The capital cost proposed for environmental protection measures Rs. 1015.66 Lakhs. The annual recurring cost proposed towards the environmental protection measures – Rs. 182 Lakhs, The employment generation from the proposed project is 204 (Direct). The details of cost for environmental protection measures is as follows:

S. No.	Description of Item	Proposed (In Rs. Lakh)	
		Capital Cost	Recurring Cost
i	Air Pollution Control/ Noise Management	185.00	30
ii	Water Pollution Control	127.00	20
iii	Environmental Monitoring and Management	120.00	30
iv	Green Belt & Plantation Development	382.66	50
v	Other heads as proposed in EIA	201.00	52
	Total	1015.66	182.00

Activity-wise details of EMP Cost along with timeline:

Sl. no.	Activity	Details	Capital (in Rs. Lakhs)	Time line
A. Proposed Air Pollution Control Measures				
1	Dust Suppression	Proposed Provision:- Truck Mounted Tanker with Mist Spray Sprinkling Arrangement (25m) for Haul Roads/Mine/Safety zone etc.- - 1 no.	45	Systems will be installed after obtaining EC and due Statutory permissions
		Mobile Water Mist Spray Sprinkler for transport route – 1 no.	60	
2	Fixed Sprinklers	Proposed Provision	40	

Sl. no.	Activity	Details	Capital (in Rs. Lakhs)	Time line
		Fixed type Mist spray at Coal stock pile/crusher/Transfer Points etc.- 2 nos.		
3	Mechanical Sweeping Machines	Mechanised Sweeping of Roads Electrically Operated – 4 nos.	40	
Sub Total (A)			185	
B. Proposed Water Pollution Control Measures				
1	Sedimentation tank	Proposed Sedimentation tank for mine water (01 no.) of dimension 30 m x 20 m x 3 m	50	System will be installed after obtaining EC and due Statutory permissions
	ETP	ETP (01 no) of 30 KLD	30	
	Garland Drain & Boulder Check Dam	Garland Drain around OB dumps and boulder check dams at selected locations on various drainage lines	47	System will be installed after obtaining EC and due Statutory permissions
Sub Total (B)			127	
		Proposed Plantation (and other Recurring expenses on plantation activity)	382.66	For the mine life in a phased manner as per Approved Mining Plan
Sub Total (C)			382.66	
D. Environment Monitoring & Management				
1	Environment Monitoring & Management	Proposed Manual/ continuous monitoring for air and Ground water, other Env. monitoring)	-	Regular activity to be taken up after due opening of Mine
2	CAAQMS	Proposed 2 nos. CAAQMS One each in Core & Buffer Zone and other Recurring expenses on Environment Monitoring	100.00	Will be provided at locations decided by MPCB and will continue till end of mine life
	Noise monitoring, Vibration Monitoring, installation of piezometers	Noise monitoring (5), Vibration Monitoring (1), installation of piezometers (10)	20.00	Will be provided and will continue till end of mine life
Sub Total (D)			120	
E. Miscellaneous works				
1	Rain Water Harvesting & other misc. EMP expenses (Solar lighting, Soil Preservation)	Proposed Provision - Rooftop of Buildings & Mangli Village Pond	80	Will be provided and will continue till end of mine life
	Other Misc. EMP Activities	Proposed Provision Fire Tender, Firefighting equipment, awareness programme, topsoil management, Ecological Conservation, Barbed wire fencing, CCTV Cameras	121.00	Will be provided and will continue till end of mine life
Sub Total (E)			201.00	
Grand Total (A+B+C+D+E)			1015.66	

15. Plantation: Proposed greencover will be developed in 153.0621 ha which is about 76 % of the total ML area. Thus, total of 153.0621 ha area (76 % of total ML area) will be developed as greenbelt. A 7.5 m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 382655 saplings will be planted and nurtured in 153.0621 hectares in 22 years of life including closure period.

Proposed Green belt Development Plan

S. No.	Year	Safety Zone		Backfilled		Others (Avenue)		Total	
		Area	Trees	Area	Trees	Area	Trees	Area	Trees
		ha	Nos.	ha	Nos.	ha	No	ha	Nos.

1	1 st	1.00	2500	-	-	-	-	1.00	2500
2	3 rd	1.50	3750	10.23	25575	1.0	2500	12.73	31825
3	5 th	1.50	3750	15.77	39425	1.6721	4180	18.9421	47355
4	10 th	-	-	41.00	102500	-	-	41.00	102500
5	15 th	1.69	4225	13.64	34100	-	-	15.33	34100
6	19 th	-	-	39.03	97575	-	-	39.03	97575
Closure Period									
7	24 th	-	-	25.03	62575	-	-	25.03	62575
	Total	5.69	14225	144.70	361750	2.6721	6680	153.0621	382655

16. Rehabilitation & Resettlement: There is settlement of part of village Mangli present in the block 143 Households and the same will be relocated and rehabilitated. The R&R plan has been duly approved by Hon'ble Collector, Yavatmal on 15.12.2025 and will be implemented accordingly after about 8 years from the start of the project.

17. Details of pending litigations: PP reported that there is no legal issue/ violation w.r.t i) Environment (Protection) Act, ii) Air (P&CP) Act, Water (P&CP) Act, Van (Sanrakshan Evam Samvardhan) Adhiniyam, Wildlife Protection Act, MMDR Act, Factories Act. Further, there is no court case on the project.

18. Comments of State Pollution Control Board, Maharashtra: As per Ministry's OM dated 14.01.2025 and SOP dated 08.10.2025: A site – visit report for the said project has been uploaded by MPCB, on the Parivesh Portal with the following comments:

The proposed mining area is 201.69 ha. During visit noticed open agricultural fields in the mining lease area. No excavation of any kind observed. Railway line Wani- Adilabad is passing through the mining lease area. Industry representative informed that mining will be done in two stages on both sides of the railway line and no excavation will be done within 45 mtr. from the railway acquired land. A part of State Highway (Mukutban – Adilabad) is passing through the mining lease area and hence will be diverted.

19. Written Submissions: PP during the meeting submitted the updated PH Budget and EMP Budget as per the recommendations of the EAC.

Deliberations and Observation of the Committee:

20. The Committee noted the following:

i. The instant proposal is for grant of Environment Clearance to M/s. Sobhagya Mercantile Limited for Marki Mangli IV Coal Mine for the production capacity of 0.2 MTPA within the ML Area of 201.69 ha, located at villages: Hirapur, Bhendala, Mangali; District: Yavatmal; State: Maharashtra.

ii. The Committee noted that the project is located at a distance of 2.2 km from the inter-State boundary of Telangana and, therefore, attracts the General Condition under the EIA Notification, 2006. Accordingly, the proposal has been appraised at the Central level.

iii. The Committee deliberated on the allocation history of the coal block and noted that the erstwhile Marki Mangli II, III & IV Coal Blocks, comprising a mining lease area of 785.20 ha, were originally allocated to M/s Shree Veerangana Steels Pvt. Ltd., Nagpur in 2005. The Committee further noted that the allocation was cancelled pursuant to the judgment of the Hon'ble Supreme Court dated 25.08.2014 read with its order dated 24.09.2014. Subsequently, the Marki Mangli IV Coal Block was allocated through auction under the provisions of the Coal Mines (Special Provisions) Act, 2015 to M/s Sobhagya Mercantile Limited. Ministry of Coal issued the Vesting Order dated 17.01.2023 for a block area of 210.00 ha comprising a mining lease area of 201.69 ha.

iv. The instant proposal is a Greenfield opencast mining project.

v. The EAC took into consideration the project site through kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH.

vi. Project does not fall in the Critically Polluted Area/ Severely Polluted Area, as per CEPI Assessment 2018.

vii. The project does not involve any forestland.

viii. The project is not located within 10 KM of any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/elephant corridor etc. However there is presence of Schedule – I species within the study area Wildlife Conservation Plan based on the latest list of Schedule-I species has been duly approved by the Principal Chief Conservator of Forests (Wildlife), Nagpur, vide letter dated 06.04.2026, with a financial outlay of Rs. 304 lakh. The Committee emphasized that the approved Wildlife Conservation Plan shall be implemented in a time-bound manner.

ix. The Committee deliberated on the sensitive receptors located within and around the mine lease area and noted the presence of nearby habitations, schools, water bodies, reserve forests, healthcare facilities, and other mining projects in close proximity to the project. The Committee emphasized that the Project Proponent shall implement adequate mitigation measures, including effective dust suppression, greenbelt development, noise control, traffic management, and regular environmental monitoring, to minimize impacts on nearby habitations and other sensitive receptors. The Committee further opined that the Project Proponent shall, in consultation with the District Administration, provide safe drinking water, sanitation facilities, and solar-powered lighting in Government schools located within and in the immediate vicinity of the mine lease area as part of its community development programme.

x. Committee deliberated on the Terms of Reference (ToR) granted for the project and noted that the ToR was accorded for the proposed mining project of 0.20 MTPA within the existing mining lease area of 201.69 ha. The Committee further noted that amendments to certain ToR conditions were subsequently granted based on the request of the Project Proponent and observed that the ToR remains valid up to 02.06.2028.

xi. Revised Mining Plan including Mine Closure Plan has been obtained from the Ministry of Coal vide letter no. MARKI MANGLI IV COAL MINE MHMR035 /APP00309/2023 dated 11.02.2025 for a capacity of 0.20 MTPA (Normative) & 0.30 MTPA (Peak) and crushing of 909 cum/day of OB for M- SAND.

xii. Method of Mining to be adopted shall be Opencast. Excavation of Coal is proposed through Shovel-Dumper Combination with drilling & blasting for both OB and coal.

xiii. One composite seam with thickness ranging from 0.6 m – 4.08 m is workable. Grade of coal is G-8., stripping ratio 1:13.06. Life of mine is 19 years.

xiv. Committee deliberated on the topsoil and overburden management plan and noted that about 0.74 Mm³ of topsoil shall be generated and stored separately in designated temporary dumps for subsequent utilization in reclamation and plantation activities. The Committee further noted that two temporary external overburden dumps covering 19.73 ha with 3.85 Mm³ of overburden are proposed, which shall be completely rehandled for backfilling of the quarry void, along with two internal overburden dumps covering 144.70 ha with 38.30 Mm³ of overburden.

xv. Committee deliberated on the land use of the project and noted that the mining lease involves 9.01 ha of grazing land. The Committee emphasized that diversion and utilization of the grazing land, if involved, shall be undertaken strictly in accordance with the applicable provisions of the State Government and after obtaining all requisite approvals from the competent authorities. Suitable alternate arrangements for grazing land shall also be made by the proponent.

xvi. The Committee deliberated on the coal transportation and evacuation plan and noted that coal from the pit shall be transported by dumpers to the surface, and thereafter the entire quantity of coal and sand is proposed to be transported by road through State Highway-234 to miscellaneous consumers located within a radius of 50 km. The Committee emphasized that transportation shall be carried out only through covered trucks with adequate dust suppression measures, wheel washing facilities, regular maintenance of transportation roads, and traffic management measures to minimize impacts on nearby habitations and the surrounding environment.

xvii. The Committee deliberated on the baseline environmental data and noted that the baseline monitoring was carried out during the post-monsoon season (October to December 2023). The Committee observed that the ambient air quality, water

quality, and noise levels were generally within the prescribed standards and that the predicted incremental ground level concentrations due to the proposed project are minimal. The Committee further noted that the traffic assessment study indicates that the Level of Service (LOS) of SH-234 shall remain at Category 'A' even after the proposed increase in traffic. The Committee further noted that the Project Proponent has proposed installation of two Continuous Ambient Air Quality Monitoring Stations (CAAQMS), one each in the core zone and buffer zone, for continuous monitoring of ambient air quality. The Committee opined that the CAAQMS shall be installed at appropriate locations in consultation with the State Pollution Control Board (SPCB), connected to the CPCB/SPCB server, and the real-time monitoring data shall be made available in the public domain.

xviii. The Committee deliberated on the water requirement for the project and noted that the total water requirement is 300 KLD, comprising 125 KLD for dust suppression, 115 KLD for greenbelt development, 50 KLD for workshop activities, and 10 KLD for drinking and domestic purposes, to be sourced from strata seepage mine water and borewell. The Committee further noted that the Project Proponent has obtained CGWA NOC for abstraction of 60 KLD of groundwater, valid up to 07.05.2027, and has submitted that a fresh application for the remaining quantity shall be made to the competent authority as and when required.

xix. The Committee deliberated on the proposed diversion of the seasonal nallahs and noted that three seasonal nallahs in the south-eastern part of the mine lease are proposed to be realigned into a single channel, while one seasonal nallah in the north-western part is proposed to be realigned into another channel in a phased manner. The Committee, opined that the Project Proponent shall obtain all requisite approvals from the Water Resources Department, before undertaking diversion/realignment of the nallahs, and the diversion shall be carried out strictly in accordance with the approved design and conditions stipulated by the Water Resources Department.

xx. Committee deliberated on the power requirement and diversion of overhead power lines and noted that the total power requirement for the project is 1.3 MVA, proposed to be sourced from the Maharashtra State Grid. The Committee further noted that one 33 kV feeder line and two 11 kV feeder lines passing through the mine lease are proposed to be diverted. The Committee opined that diversion of the power lines shall be undertaken only after obtaining all requisite approvals from the competent authority. No mining activity shall be carried out in the affected area until the diversion of the transmission lines is completed.

xxi. Committee deliberated on the proposed diversion of the 1.8 km stretch of State Highway SH-234 (Mukutban–Patan) passing through the mine lease area and noted that the same is proposed to be diverted after obtaining permission from the Public Works Department (PWD). The Committee opined that the road diversion shall be undertaken only after obtaining all requisite statutory approvals from the competent authority and ensuring that the diverted road is developed with adequate safety measures, drainage arrangements, and uninterrupted public connectivity before closure of the existing road.

xxii. The Committee deliberated on the railway line passing through the ML area and noted the submission of the Project Proponent that no diversion of the railway line is proposed and that the prescribed safety barrier shall be maintained from the railway land as per the approved Mining Plan. The Committee, however, opined that no diversion of the railway line shall be undertaken. Wherever mining operations are proposed in close proximity to the railway line, prior permission/NOC from the competent authority of the Indian Railways shall be obtained, and all safety stipulations prescribed by the Railways and Directorate General of Mines Safety (DGMS) shall be complied with before commencement of mining in such areas.

xxiii. The Committee deliberated on the issues raised during the Public Hearing held on 06.03.2026 and noted that the major concerns pertained to dust and air pollution, noise pollution, crop damage, public health, road safety during coal transportation, compensation to affected families, employment, village infrastructure development, wildlife management, and structural safety of nearby houses. The Committee further noted that the Project Proponent has prepared a Public Hearing Action Plan with a financial outlay of Rs. 237 lakh, proposed to be implemented over a period of three years. The Committee opined that the Project Proponent shall implement all commitments made during the Public Hearing in a time-bound manner and submit the physical and financial progress of the Action Plan as part of the six-monthly compliance reports to the Ministry's RO.

xxiv. The Committee deliberated on the Environmental Management Plan (EMP) and noted that against the total project

cost of Rs. 10,200 lakh, the Project Proponent has earmarked a capital expenditure of Rs. 1,015.66 lakh and a recurring expenditure of Rs. 182 lakh per annum towards implementation of environmental protection measures. The Committee opined that the Project Proponent shall ensure adequate allocation and timely utilization of the EMP budget for effective implementation of all environmental safeguards, and the physical and financial progress of EMP implementation shall be reflected in the six-monthly compliance reports submitted to the Ministry's RO.

xxv. The Committee deliberated on the plantation and greenbelt development programme and noted that the Project Proponent has proposed to develop green cover over 153.0621 ha, constituting about 76% of the total mining lease area, including a 7.5 m wide three-tier greenbelt along the mine boundary, backfilled areas, and avenue plantation. The Committee further noted that plantation shall be carried out using native species at a density of 2,500 saplings per hectare, with a total of 3,82,655 saplings proposed to be planted over the life of the project, including the mine closure period. The Committee emphasized that plantation and biological reclamation shall be undertaken progressively in a phased manner concurrent with mining operations.

xxvi. The Committee deliberated on the Rehabilitation and Resettlement (R&R) Plan and noted that 143 households of village Mangli fall within the mine lease area and are proposed to be relocated and rehabilitated. The Committee further noted that the R&R Plan has been approved by the Hon'ble Collector, Yavatmal, on 15.12.2025 and is proposed to be implemented after about eight years from the commencement of the project. The Committee emphasized that rehabilitation and resettlement of the affected families shall be completed in accordance with the approved R&R Plan and applicable statutory provisions before commencement of mining activities in the affected area.

xxvii. There is no legal issue/violation w.r.t i) Environment (Protection) Act, ii) Air (P&CP) Act, Water (P&CP), Act, Van (Sanrakshan Evam Samvardhan) Adhiniyam, Wildlife Protection Act, MMDR Act, Factories Act. Further, there is no court case on the project.

xxviii. The Committee deliberated on the comments of the Maharashtra Pollution Control Board (MPCB) in terms of the Ministry's Office Memorandum dated 14.01.2025 and the Standard Operating Procedure (SOP) dated 08.10.2025. The Committee noted that although the site visit report has been uploaded by MPCB on the PARIVESH Portal along with the comments. The committee asked the proponent to comply with the MPCB comments.

xxix. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components.

xxx. The EAC found the written submissions of the project proponent to be satisfactory.

Recommendations of the Committee:

21. Based on the discussions held and the documents submitted, the EAC **recommended** the proposal of Environment Clearance for "*Marki Mangli IV Coal Mine (for the production capacity of 0.2 MTPA within the ML Area of 201.69 ha), by M/s Sobhagya Mercantile Limited, located at: villages: Hirapur, Bhendala, Mangali; District: Yavatmal; State: Maharashtra*", under the provisions of EIA Notification, 2006 (as amended), subject to the compliance of the following specific conditions in addition to the general/Standard EC conditions (**Annexure-I**).

22. The MoEF&CC has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the EAC hereby accords Environmental Clearance to **M/s. Sobhagya Mercantile Limited**, for "*Marki Mangli IV Coal Mine (for the production capacity of 0.2 MTPA within the ML Area of 201.69 ha), located at: villages: Hirapur, Bhendala, Mangali; District: Yavatmal; State: Maharashtra*" subject to compliance of the Specific Environmental safeguard Conditions in addition to the standard EC conditions (**Annexure-I**).

23. The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

24. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project

Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

25. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

26. 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.

27. General Instructions:

(i) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC website where it is displayed.

(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.

(iii) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(v) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

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

(vii) Validity of EC is as per the provision of EIA Notification, 2006 and its subsequent amendment.

28. This issue with an approval of the Competent Authority.

Yours faithfully,
(Sundar Ramanathan)
Scientist 'F'
Tel: 011- 20819378
Email- r.sundar@nic.in

Copy To

1. The Member Secretary, CGWA, 18/11 Jamnagar House Man Singh Road, Central, Delhi, cgwa@nic.in
2. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, mscb.cpcb@nic.in
3. The Monitoring Cell MoEFCC, Compliance & Monitoring Division, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, South, Delhi, moefcc-monitoring@gov.in
4. The District Collector, DC Office, Collector Office Yavatmal, Yavatmal, Maharashtra, collector.yavatmal@maharashtra.gov.in
5. The Deputy Director General, Regional Office, 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-440001., N/A, N/A, apccfcentral-ngp-mef@gov.in
6. The Member Secretary, SPCB/PCC, Kalptaru Point 2nd - 4th Floor Opp. Cine Planet Sion Circle Sion (E), Mumbai, Maharashtra, mpcbparivesh@mpcb.gov.in
7. The Secretary, Ministry of Coal, Shashtri Bhawan New Delhi., New Delhi, Delhi, secy.moc@nic.in

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditions:

S. No	EC Conditions
1.1	Project proponent shall comply with the environmental safeguards prescribed by MPCB in terms of MoEF&CC OM dated 14/01/2025.
1.2	Project Proponent shall deposit the entire amount of Rs. 304 lakh towards implementation of the Wildlife Conservation Plan, as approved by the Principal Chief Conservator of Forests (Wildlife), Nagpur vide letter dated 06.04.2026, with the concerned State Forest Department. The Wildlife Conservation Plan shall be implemented in a time-bound manner under the supervision of the State Forest Department.
1.3	Project proponent shall install the solar lights within the ML area, schools, hospitals and mine infrastructure. Also, project proponent shall provide facilities such as RO plants, provision for sanitary water and education and sports facilities in the schools located within the close vicinity of the ML area. Thick plantation shall be carried out around these schools with the native species within 2 years from the date of grant of EC by planting saplings of not less than 4 feet height.
1.4	Project Proponent shall, in consultation with the District Administration and the State Revenue Department, develop suitable alternate grazing land of equivalent carrying capacity for the affected community before commencement of mining activities on the existing grazing land. The status of compliance shall be submitted as part of the six-monthly compliance reports to the Regional Office, MoEF&CC.
1.5	Project Proponent shall ensure that the entire quantity of coal and sand is transported only through covered trucks fitted with tarpaulin covers to prevent fugitive dust emissions. Effective dust suppression measures, including fixed/mobile water sprinklers, mist cannons at loading and unloading points, wheel-washing facilities at the mine exit, and regular cleaning and maintenance of transportation roads, shall be provided and maintained throughout the project life. Adequate traffic management measures, including speed regulation, signage, designated parking areas, and avoidance of traffic congestion in habitations, shall be implemented to minimize impacts on nearby villages and the surrounding environment. The transportation roads shall be maintained in good condition, and any spillages of coal or sand shall be removed immediately.
1.6	Quantity of overburden or rejects proposed for disposal/sale shall be duly accounted for in the approved Mining Plan.
1.7	Prior permission for disposal/sale of the overburden/rejects has been obtained from the concerned State Government based on the approval granted by MoC under the prevailing Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules (MCR), 2016.
1.8	Project Proponent shall obtain all requisite approvals from the Water Resources Department before undertaking diversion/realignment of the 4 number of nallahs. The three seasonal nallahs located in the south-eastern part of the mine lease shall be realigned into a single channel, while the seasonal nallah located in the north-western part of the mine lease shall be realigned into a separate channel, strictly in accordance with the approved design, hydrological studies, and the conditions stipulated by the State Water Resources Department. Adequate bank protection, erosion control, and sediment management measures shall be implemented during and after the diversion works. The compliance

S. No	EC Conditions
	status shall be reflected in the six-monthly compliance reports submitted to the Regional Office, MoEF&CC.
1.9	Project Proponent shall obtain all requisite statutory approvals from the competent authorities before undertaking diversion of the existing one 33 kV feeder line and two 11 kV feeder lines passing through the mine lease. The diversion works shall be carried out in accordance with the approved plan and the conditions stipulated by the concerned electricity distribution authority. No mining activity shall be undertaken in the affected area until the diversion of the overhead power lines has been completed and the requisite safety clearances have been obtained. The compliance status shall be reflected in the six-monthly compliance reports submitted to the Regional Office, MoEF&CC.
1.10	Project Proponent shall not undertake any diversion of the existing railway line passing through the mine lease area. The prescribed safety barrier from the railway land shall be maintained at all times in accordance with the approved Mining Plan and the guidelines of the Indian Railways. Wherever mining operations are proposed in close proximity to the railway line, prior permission/No Objection Certificate (NOC) shall be obtained from the competent authority of the Indian Railways before commencement of such mining operations. The Project Proponent shall comply with all safety stipulations and conditions prescribed by the Indian Railways, including those relating to stability, vibration, blasting, and protection of railway infrastructure.
1.11	Project Proponent shall obtain valid No Objection Certificate (NOC) from the Central Ground Water Authority (CGWA) for abstraction of groundwater, as applicable, before withdrawal of 300 KLD of groundwater beyond the presently permitted quantity and shall comply with all conditions stipulated therein.
1.12	Project Proponent shall implement all the commitments made during the Public Hearing held on 06.03.2026 and the Public Hearing Action Plan with the committed financial outlay of Rs. 237 lakh in a time-bound manner over a period of three years. The physical and financial progress of implementation of the Public Hearing Action Plan, including item-wise expenditure and status of each commitment, shall be submitted as part of the six-monthly compliance reports to the Regional Office, MoEF&CC.
1.13	Project Proponent shall implement the Environmental Management Plan (EMP) with the committed capital expenditure of Rs. 1,015.66 lakh and recurring expenditure of Rs. 182 lakh per annum throughout the life of the project. The funds earmarked for environmental protection measures shall not be diverted for any other purpose. Project Proponent shall ensure timely allocation and utilization of the EMP budget for effective implementation of all environmental safeguards. The physical and financial progress of implementation of the EMP, including component-wise expenditure, shall be reflected in the six-monthly compliance reports submitted to the Regional Office, MoEF&CC.
1.14	Project Proponent shall undertake progressive plantation and biological reclamation concurrently with the mining operations so as to develop green cover over 153.0621 ha, including a 7.5 m wide three-tier greenbelt along the mine boundary, plantation over backfilled areas, and avenue plantation, as proposed. Plantation shall be carried out using native species at a density of 2,500 saplings per hectare, with a total of 3,82,655 saplings to be planted over the life of the project, including the mine closure period. The Project Proponent shall ensure a minimum survival rate of 90% and undertake gap filling, maintenance, and protection of the plantation on a regular basis. The physical and financial progress of plantation and biological reclamation, including area covered, number of saplings planted, species-wise details, and survival rate, shall be reflected in the six-

S. No	EC Conditions
	monthly compliance reports submitted to the Regional Office, MoEF&CC.
1.15	Project Proponent shall implement the Rehabilitation and Resettlement (R&R) Plan approved by the Collector, Yavatmal vide order dated 15.12.2025, strictly in accordance with the applicable statutory provisions and the approved R&R package. Rehabilitation and resettlement of all the 143 affected households of village Mangli shall be completed before commencement of mining activities in the affected area. The Project Proponent shall ensure that all compensation, rehabilitation benefits, civic amenities, and livelihood restoration measures are provided to the affected families in a timely manner in accordance with the approved R&R Plan.
1.16	PP shall make use of advanced computer simulation techniques for design and execution of blasting operation in the mine. PP shall make use of Electronic Delay Detonators for optimal blasting in coal and OB rock to minimize the environmental impacts of blasting such as ground vibration, fly rocks and excessive dust generation.
1.17	PP shall create a “Public Grievance Redressal and Monitoring System” for resolving any issues related to the pollution of mines and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A logbook to be maintained by PP on “Public Grievance Redressal and Monitoring System.
1.18	Third-party audit (by NEERI/CIMFR/IIT/NITs) for air & water quality shall be carried out annually to keep a check on the same. PP shall implement the recommendations of the audit and submit the outcome of the audit to the concerned RO of MoEF&CC.
1.19	The status of mine closure activities must be included in every six months compliance report submitted to the state pollution control board and RO of MoEF&CC.
1.20	Hon’ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent”. The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.
1.21	PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (as amended). In pursuant to the Ministry’s OM dated 18/07/2022. PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry’s Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six-monthly compliance report being submitted by PP.
1.22	Water shed/Natural drainage shall be carefully managed so that flow of water should go down side in the main streams/nallah.

S. No	EC Conditions
1.23	PP shall carry out Occupational Health study by the Central Institute of Mining and Fuel Research (CIMFR) or equivalent accredited institute to aware the employees, preventing injury, and reducing the health issues in the workplace. All the recommendations of the study shall be complied by the proponent and project for next phase of expansion shall be submitted only after the compliance of the same.
1.24	Project proponent is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Greenbelt development. The action in this regard shall be submitted concerned RO in six monthly compliance report.
1.25	If the Project Proponent intends to install the stone crushing plant within the ML area for OB utilization, the requisite permission from State pollution Control Board be obtained.
1.26	The proposed diversion of the 1.8 km stretch of State Highway SH-234 (Mukutban–Patan) passing through the mining lease area shall be undertaken only after obtaining all requisite statutory approvals from the competent authorities. The Project Proponent shall ensure that the diverted road is fully developed with appropriate geometric design, safety features, drainage arrangements, road signage, illumination, and uninterrupted public connectivity before closure or discontinuation of the existing road.

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.3	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2026/ Hazardous & Other Waste Management Rules, 2016.
1.4	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.5	Validity of EC is as per life of the mine mentioned in EC letter or 30 years as per EIA Notification, 2006 and its amendments therein.

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Project proponent shall obtain requisite consent from State Pollution Control Board for 0.2 MTPA coal mining.

S. No	EC Conditions
2.2	2 nos of continuous ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone (1 each) for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board.
2.3	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.
2.4	Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
2.5	Major approach roads shall be black topped/ of rigid pavement and properly maintained.
2.6	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.7	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction and shall do plantation along with it.

3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	PP shall take approval from the CGWA/ Competent Authority prior to commencement of mining operations.
3.2	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September 2000 and as amended from time to time by the Central Pollution Control Board.
3.3	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
3.4	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff.

S. No	EC Conditions
3.5	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
3.6	Industrial wastewater from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic wastewater.
3.7	Industrial effluent and domestic wastewater shall be treated in the Effluent treatment Plant (ETP) and Sewage Treatment Plant (STP). After treatment, treated water shall be reused for plantation.

4. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
4.2	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

5. Mining Plan

S. No	EC Conditions
5.1	Project proponent shall obtain star rating as per the guidelines of Ministry of Coal.
5.2	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.3	No change in mining method, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
5.4	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5.5	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

6. Land Recalculation

S. No	EC Conditions
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change (MoEF&CC) from time to time shall be submitted to the Regional Office of MoEF&CC.
6.2	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
6.3	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the “during mining”/“post mining” land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.
6.4	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.
6.5	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

7. Public Hearing And Human Health Issues

S. No	EC Conditions
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six-monthly basis.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
7.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory

S. No	EC Conditions
	devices and shall also be provided with adequate training and information on safety and health aspects.
7.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
7.5	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
7.6	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z11013/5712014-IA.I1 (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'.

8. Corporate Environment Responsibility

S. No	EC Conditions
8.1	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
8.2	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

9. Miscellaneous

S. No	EC Conditions
9.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
9.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
9.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
9.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and

S. No	EC Conditions
	Climate Change at environment clearance portal.
9.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
9.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.
9.10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
9.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
9.13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
9.14	The above conditions shall 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, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.