



सत्यमेव जयते

File No.: IA-J-11011/46/2022-IA. II(M)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 02/02/2024



To,
Shri Shanto Mukherjee
ADANI POWER MAHARASHTRA LIMITED
Adani Power Maharashtra Limited Adani Corporate House Shantigram, Near Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad , AHMADABAD, GUJARAT, , 382421
gondkhari@adani.com

Subject: Gondkhari Underground Coal Mine of production capacity 2.0/3.0 MTPA (Normative/Peak) in the mine lease area of 862.00 Ha of M/s Adani Power Maharashtra Limited (APML) located at Village Gondkhari, Tehsil Kalmeshwar, District Nagpur (Maharashtra) – Environmental Clearance regarding

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/CMIN/444481/2023 dated 21/09/2023 for grant of prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A0102MH5769281N
(ii) File No.	IA-J-11011/46/2022-IA. II(M)
(iii) Clearance Type	Mining EC Under 5 Ha
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vi) Sector	Coal Mining
(vii) Name of Project	Proposed Gondkhari Underground Coal Mine (Kamptee Coalfield) of area 862.00 Ha, Targeted capacity – 2.0 MTPA, at Village – Gondkhari, Tehsil – Kalmeshwar, Dist. – Nagpur, State – Maharashtra - 440023
(ix) Location of Project (District, State)	NAGPUR, MAHARASHTRA
(x) Issuing Authority	MoEF&CC
(xii) Applicability of General Conditions	No

3. The proposal is for Environmental Clearance for Gondkhari Underground Coal Mine of production capacity 2.0/3.0

MTPA (Normative/Peak) in the mine lease area of 862.00 Ha of M/s Adani Power Maharashtra Limited (APML) located at Village Gondkhari, Tehsil Kalmeshwar, District Nagpur (Maharashtra).

4. Terms of Reference granted on 13th February 2023 vide file no. IA-J-11015/46/2022-IA. II(M) by Ministry. Public hearing for project of 2 MTPA/3.0 MTPA (Normative/Peak) capacity in an area of 862 ha was conducted on 13/07/2023 at Kh. No. 9/5, Near Karli Lake, Tal-Kalmeshwar, Dist.-Nagpur, Maharashtra under the Chairmanship of Subhash Choudhary (Additional District Magistrate). Major issues raised in the public hearing include infrastructure creation for drinking water, education, sanitation, skill development etc. Project activity is covered under Schedule 1(a), Category A of the EIA Notification and as amended thereof.

5. Project proposal was submitted to the Ministry on 21.09.2023. Considered by the EAC in its 1st meeting held on 17.10.2023 and committee deferred the proposal for additional information sought by the EAC. Project Proponent submitted the information on PARIVESH on 30.11.2023 and accordingly proposal was considered in the 5th EAC meeting during 21-22 December, 2023.

6. The project area is covered under Survey of India Topo Sheet No 55K/16 (New-F44M16) and is bounded by the geographical coordinates ranging from 210 07' 57" N to 210 10' 56" N and longitudes 780 54" 45" E to 780 56" 26" E.

7. Coal linkage of the project is Proposed for commercial coal mining auction process for use of various sale of coal. Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13th January, 2010 has imposed moratorium on grant of Environment Clearance.

8. Please mention any National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones fall within 10 km boundary of the project - Not applicable

9. Wildlife conservation plan for schedule – I species has been submitted – Wildlife conservation plan for total 10 Schedule-I (Indian peafowl, Bengal Monitor Lizard, Shikra, Common Mongoose, Indian Cobra, Common Rat Snake, Russell's Viper, Indian Jackal, Jungle Cat, Sambar deer) species has been prepared along with the total Rs.10.0 Lakhs capital and Rs. 2.0 Lakhs recurring cost.

10. The ground water level has been reported to be varying between 4.5 mbgl to 9.5 mbgl during pre-monsoon and between 1.5 to 5.2 mbgl during post-monsoon. Total water requirement for the project is 492 KLD (452 KLD from mine seepage and 40 KLD from borewell. NOC for the approval of the Central Ground Water Authority for 492 KLD has been granted on 01/09/2023 vide letter no. CGWA/NOC/MIN/ORIG/2023/19155.

11. Total mining lease area as per block allotment is 862.00 ha. Mining Plan (Including Progressive Mine Closure Plan) has been approved Ministry of Coal, Government of India on 22.12.2022. 87.351 ha of forest land has been reported to be involved in the project. Approval under the Forest (Conservation) Act, 1980 for diversion of 87.351 ha of forest land for non-forestry purposes has been submitted dated 06.01.2023.

12. Total geological reserve reported in the mine lease area is 98.717 MT, geological reserve 98.503 MT, with 52.596 MT mineable reserve. Out of total mineable reserve of 52.596 MT, 42.946 MT are available for extraction. Percent of extraction is 43.5990%. 4 seams with thickness ranging from 0.93 m to 5 m are workable. Grade of coal is G8 while gradient is 90 to 220. Method of mining operations envisages by Underground Mining: Longwall retreating method with caving by deploying DERDS and Road Headers for tunneling. Life of mine is 30 years. Transportation of coal has been proposed by series of conveyors in mine pit head, from surface to siding by Conveyer/Trucks and at sidings by Haulage trucks.

13. No court cases, violation cases are pending against the project of the PP. There is No R&R of the PAPs involved as it is an Underground Mine. Total cost of the project is Rs. 130300 lakhs. Cost of production is Rs 2800/- per tonne., CSR cost is Rs. 5/- per tonne, R&R cost if applicable. Direct and Indirect employment to 863 Persons will be provided from the project.

14. Environment baseline data was generated in the season from March 2022 to May 2022 (Pre-Monsoon Season) at 10 locations and along with additional AAQ monitoring conducted at 2 different locations during pre-monsoon season from

1st March 2023 – 31st March 2023.

15. EAC in its 1st meeting held on 17.10.2023 deliberated the project proposal and it was observed that several water bodies exist within mine lease such as Streams/Nallah and also in vicinity of ML area named as Surabardi Dam & reservoir, Karle lake, Alesur lake and Wena Dam & Reservoir. However, due to lack of drone video/photographs of lake/reservoir, which is one of Tor conditions, the Committee could not capture real ground reality. After detailed deliberation, EAC deferred the project proposal and sought some additional information. Project Proponent furnished the response on the Parivesh portal. Proposal was then considered in the 5th EAC meeting held on 21.12.2023.

16. EAC in its 5th meeting held during 21-22 December, 2023 deliberated upon the ADS reply furnished by the PP and discussed in detailed about transportation of coal, budgetary provision in EMP for public hearing issues etc. The Committee noted that PP has increased the budgetary provision in EMP for public hearing issues upto Rs. 19.50 Crores from Rs. 6.5 core (**Ref Annexure 2**). Further, Committee also emphasized on the protection of reservoir falls within/outside the ML area alongwith proposed budgetary provision, handling of domestic wastewater/sewage through STP after consulting with state Government. EAC, after deliberating on the instant proposal at a length and getting proper justification, recommended the grant of Environmental Clearance for Gondkhari Underground Coal Mine of production capacity 2.0/3.0 MTPA (Normative/Peak) in the mine lease area of 862.00 Ha of M/s Adani Power Maharashtra Limited (APML) located at Village Gondkhari, Tehsil Kalmeshwar, District Nagpur (Maharashtra) with the following specific conditions under the provisions of EIA Notification, 2006 and its amendments:

17. 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 for the instant proposal to M/s Adani Power Maharashtra Limited (APML) for Gondkhari Underground Coal Mine of production capacity 2.0/3.0 MTPA (Normative/Peak) in the mine lease area of 862.00 Ha located at Village Gondkhari, Tehsil Kalmeshwar, District Nagpur (Maharashtra) subject to compliance of the Specific and Standard EC conditions as given in **Annexure (1)**

18. 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.

19. 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.

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

21. 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.

22. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.

23. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.

24. 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

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

Copy To

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. The Principal Secretary, Department of environment, Government of Maharashtra-15th Floor, New Admin Bldg, Madam Cama Road, Mantralaya, Mumbai-32 (Maharashtra)
3. The Deputy Director General of Forests (C), Integrated Regional Office Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001, Ministry of Environment, Forest and Climate Change,
4. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
5. The Chairman, Maharashtra State Pollution Control Board, Kalapataru Point, 3rd & 4th Floors, Sion, Matunga Scheme Road No 8, Opp. Cine Planet Cinema, Near Sion circle, Sion (E) Mumbai-2.
6. The Member Secretary, Central Ground Water Authority (CGWA), 18/11 Jamnagar House, Man Singh Road, New Delhi-11001.
7. The Regional Director, Central Ground Water Board, Central Region, N.S. Building, Civil Lines, Nagpur 440001 Maharashtra
8. District Collector, Nagpur, Government of Maharashtra
9. PARIVESH Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Condition:

S. No	EC Conditions
1.1	<i>Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also,</i>

S. No	EC Conditions
	<i>Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented. The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.</i>
1.2	<i>PP 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 which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority.</i>
1.3	<i>PP to install solar lights along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year..</i>
1.4	<i>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 light/night hours.</i>
1.5	<i>PP must explore innovative technology to recover methane from gases extracted from underground mine while venting.</i>
1.6	<i>PP to install 1 continuous ambient air quality monitoring stations at suitable locations preferably village side with consultation of SPCB. The real time data so generated shall be uploaded on company website and linked it with website of CPCB &SPCB. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.</i>
1.7	<i>PP to maintain the transportation road properly to minimize the dust emission. PP to also develop pucca/concrete roads by seeking consent from the panchayat with widening of roads especially roads inter linking the villages within the study area of 10 km radius buffer zone.</i>
1.8	<i>PP to monitor the water quality of the ground water and surface water body located within the core zone and 5 km radius from the periphery of the mine boundary as per procedure laid down by CPCB.</i>
1.9	<i>PP shall follow the recommendation of subsidence study and monitor the degree of subsidence regularly and shall be submitted to IRO, MoEF&CC.</i>
1.10	<i>PP shall implement Effluent Treatment Plant for wastewater generated from workshop and Sewage Treatment Plan for its colony. No untreated water shall be discharged from mine boundaries to ponds/nallah/river.</i>
1.11	<i>PP to accomplish the recruitment of a full-fledged qualified manpower with Environmental Engineer/Environment Science degree background in Environment Management Cell etc within six</i>

S. No	EC Conditions
	<i>months and same shall be reported to IRO, MoEF&CC.</i>
1.12	<i>PP shall transport the coal by trucks of fleet size 35-40 tons and no village road shall be used for transportation of coal. PP shall transport the coal by trucks of fleet size 35-40 tons and no village road shall be used for transportation of coal. Further, specific diesel consumption shall be reduced in a phased manner i.e from the 3rd year reduction in diesel consumption by 10% of present diesel consumption (1.1 lit/ton of coal), from the 5 th year reduction in diesel consumption by 30% of present diesel consumption (1.1 lit/ton of coal) and from the 7th year reduction in diesel consumption by 50% of present diesel consumption (1.1 lit/ton of coal).</i>
1.13	<i>PP to plant additional 100,000 plants with three tier plantation along the transportation route, if not completed, and identified areas with consent to the gram panchayat within two year and plant for remaining within 2 years for their proper growth in additional already committed to plant to plantation in 11.0 ha project area.</i>
1.14	<i>PP shall maintain atleast 10 mtrs width tree plantation of broad leaves and wind break/green-shield of about 10 mts height along the boundary of coal storage yard.</i>
1.15	<i>PP should implement the village-wise water distribution pipeline system with their adequate budget as mentioned at above para no. 5.6.3 (x) of the Minutes.</i>
1.16	<i>PP should not affect the Forest area during the construction of infrastructure on the Mine lease.</i>
1.17	<i>PP shall develop 6 nos. of rain water harvesting pond (not less than 100 m, width will be 10 m and the depth will be 3 m) as proposed by PP near the villages of stated area in consultation with Gram Panchayat within 1 year. Also, Indicator aquatic species shall be planted in this water bodies to see the environmental quality. PP shall explore to own water bodies/pond currently present in project area, maintain and regularly monitor the quality for its long term protection.</i>
1.18	<i>PP shall implement the activities-wise proposed budget for Public Hearing Budget (as recommended by the EAC, mentioned in Annexure 2) & EMP Capital cost of Rs. 34.32 Cr in time bound manner . The details of annual expenditure incurred shall be part of report to be submitted to IRO, MoEF&CC. PP needs to include the audited figures against the expenditure and activities to be monitored by through dedicated monitoring mechanism. The maintenance of all activities shall be covered through recurring cost of Public Hearing, and continued as a part of CSR budget.</i>
1.19	<i>PP to obtain the CTO for 2.0/3.0 MTPA (Normative/Peak) capacity after grant of EC.</i>
1.20	<i>PP should implement the recommendation of lake rejuvenation plan including sewage management, delisting, plantation with appropriate budgetary provisions.</i>
1.21	<i>PP shall obtain No Objection Certificate from Central Ground Water Authority for extraction of ground water within six months and submitted to IRO, MoEF&CC.</i>
1.22	<i>The grant of EC is subject to submission of the Stage-I Forest Clearance for 87.351 ha of forest land involved in the ML area of 862 ha.</i>
1.23	<i>Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.</i>

S. No	EC Conditions
1.24	<i>PP shall pay to farmers of agricultural land if there is any loss due to pollution found by concerned District Commissioner as per extent rules or norms.</i>

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 forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.3	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. TThe implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.7	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.9	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.10	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	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the

S. No	EC Conditions
	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. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
2.2	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.
2.3	Transportation of coal, to the extent if permitted by road, shall be carried out by covered trucks/conveyors. 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.
2.4	Major approach roads shall be black topped and properly maintained.
2.5	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek its maintenance.
2.6	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.
2.7	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.
2.8	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
2.9	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.
2.10	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
2.11	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
2.12	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable

S. No	EC Conditions
	recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyse the implementation of river diversion, meeting to the requirement of project report.

3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	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.
3.2	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.
3.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
3.4	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
3.5	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
3.6	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
3.7	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
3.8	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
3.9	Industrial waste water 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

S. No	EC Conditions
	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 waste water.
3.10	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
3.11	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
3.12	The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.
3.13	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years
3.14	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.

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	5- Star Rating is mandatory to obtaine certification as per guidelines of Mininstry of Coal

S. No	EC Conditions
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 i.e. UG to OC, 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	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
5.6	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
5.7	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
5.8	Transportation by Railway Siding shall be developed to avoid transportation by Road

6. Land Recalvation

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(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
6.2	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, 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	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
6.4	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.

S. No	EC Conditions
6.5	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
6.6	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
6.7	Native tree species shall be selected and planted over areas affected by subsidence.
6.8	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.
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 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	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
7.7	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-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'.
7.8	PP to conduct need based assessment survey of the area to for in order to decide the activities to be

S. No	EC Conditions
	carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
7.9	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
7.10	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
7.11	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
7.12	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan
7.13	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius

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.
8.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
8.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
8.5	PP 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 which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority

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 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 (MoEF&CC).
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

S. No	EC Conditions
	<p>& Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary 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.</p>
9.15	<p>The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.</p>
9.16	<p>Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.</p>
9.17	<p>Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.</p>
9.18	<p>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 light/night hours</p>

Additional EC Conditions

10.1 “Wildlife conservation plan for the presence of all schedule-I to be implemented with budgetary provision as approved by the Chief Wildlife Warden”

10.2 Project Proponent shall implement the rejuvenation plan with budgetary provision as submitted for protection of reservoirs present in the mine lease area”

Lake rejuvenation plan with detailed plan with adequate budgetary allocation

Biological Measures:

1. Greenbelt development & Catchment Treatment Plan,
2. Annual maintenance cost of respective water reservoir including collection of garbage and other trash around periphery of reservoir.
3. Complete diversion of domestic waste and sewage entering into the lake.
4. Removal of the organic-rich sediment through biological treatment.
5. Removal of weeds.

Table 1

Sr. No.	Reservoir	Perimeter (m)	No. of Unskilled person required	Per day charge as per SSR 2022-23 (PWD) Govt. of Maharashtra (Rs.)	No. of Days (5 x 12 x 5)	Total Cost Estimate (Rs)
1.	Karle	1694	1	615	300	1,84,500
2.	Suraburdi	2910	2	615	300	3,69,000
Total						553500

Engineering Measures: In this Desilting and Fencing are suggested the details are as follows:

De-silting of respective reservoirs has been estimated based on the area occupied between pre-monsoon and post-monsoon period as area of de-silting. The depth of de-silting has been considered as 1m on average. The cost estimate for silt removal has been done as per specification by using State Schedule of Rate 2022-23 (PWD)

Govt. of Maharashtra pg no. 153 SSR item No. 21.01, sr no. 720. Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, includes removal of the excavated material up to a distance of 50 m, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. Cost has been calculated in consultation with water resource Department.

Table 2**Cost Estimate for De-silting**

Sr. No.	Reservoir	Area of Silt cover (sq.m.)	Depth (m)	Volume of soil excavated (m ³)	Rate of excavation per m ³	Total cost of silt removal (Rs.)
1.	Karle	53000	1	53,000	239	1,26,67,000
2.	Suraburdi	34000	1	3,4000	239	81,26,000
Total						2,07,93,000

Fencing around the reservoirs:- Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16 mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting

Table 3**Cost Estimation for Fencing**

Sr.No.	Reservoir	Length (m)	Rate@ MT(m)	Cost (Rs.)
1.	Karle	1549	2539	39,32,911
2.	Suraburdi	4372	2539	1,11,00,508
Total				1, 50, 33, 419

Table 4**Summarized Cost estimation for Rejuvenation of Lake/Reservoir**

Sr no.	Type of Rejuvenation		Estimated Cost in Rupees
1	Biological		5, 53, 500
2	Engineering	De-silting	2, 07, 93, 000
		Fencing	1, 50, 33, 419
Total			3, 63, 79, 919

Rainwater harvesting plan

Detailed rainwater harvesting plan along with protection of Dam/Lake/Reservoir lying within the ML area (Core Zone) & in Buffer zone given in page 19-22 of Detailed Lake rejuvenation plan (**Annexure-VII of ADS reply**) and budgetary provision of same is **Rs. 36,34,264 (Thirty-Six Lakhs Thirty-Four Thousand Two Hundred and Sixty Four only)**.

Table 5

Cost Estimate for Rain-Water Harvesting Unit Village is given below:

Table: Cost Estimate for Rain-Water Harvesting Unit Village	
Type of Work	Costing in Rupees
RWH- Recharge Pit (SSR Item no. 48.47, sr no. 1663. Pg no. 317).	91,300
Boring/drilling (SSR Item no. 48.48, sr no. 1664. Pg no. 317).	41,600
Supplying assembling- (SSR Item no. 48.49, sr no. 1665. Pg no. 318).	49,400
Gravel Packing- (SSR Item no. 48.54, sr no. 1670. Pg no. 318).	1,494
Cost Estimate for Single Village	1,83,794
Cost Estimate for 6 Villages (Rs. 480194 x 6)	11,02,764
Maintenance of 18 Nos. Check dam	18,00,00,00
Labor Charges (33%)	3,63,912
Total Cost Estimate for RWH in 6 Villages	Rs. 36, 34, 264

Table 6

Estimated cost for pipeline system for water supply system as mentioned below:

S. No	Village Name	Unit Rate per meter	Total Average length of pipe required in meters	Cost required (Rs.)
1	Khapri	494	650	32,110
2	Sahuli	494	620	3,06,280
3	Khadgaon	494	752	3,71,488
4	Waddhamana	494	2106	10,40,364
5	Gondkhairi	494	2448	12,09,312
6	Ketapar	494	604	3,16,160
Sub Total				35,64,704
Maintenance and replacement cost				4,35,296
Total				40,00,000

Table 7

Revised activity-wise budget addressing the issues highlighted during the Public hearing along with recurring cost

Table: EMP cost for Social Economic Development							
S. No.	Particulars	Physical Status	Dec 2023	Dec 2024	Dec 2025	Amount to be spent for head (in Rs. (Lac))	Recurring Cost (in Rs. (Lac))
			- Dec 2024	- Dec 2025	- Dec 2026		
1	Medical Facilities (OPD and Pathology centre)	Location: villages Gondkhari and Kalambi. Physical work: Establishment of Ambulance Room and Health Centre, Free Medical camps and Medicine Distribute by hiring a MBBS doctor to treat patients in nearby 7 villages, Arrange Water borne diseases camp and Cancer detection camps.	60	60	-do- (year wise)	475	28
2	Education Facilities at nearby villages	Location: Village - at ZP Primary School (old) gond Gondkhari and Surabardi Village. Physical Work: Donation of computers, books, furniture to village schools, Construction of E-Class Room at Govt. School and Waiting Shed for Z.P. Primary School, Construction of 16 Toilets (06 Nos. for boys & 10	22	22	-do- (year wise)	160	160

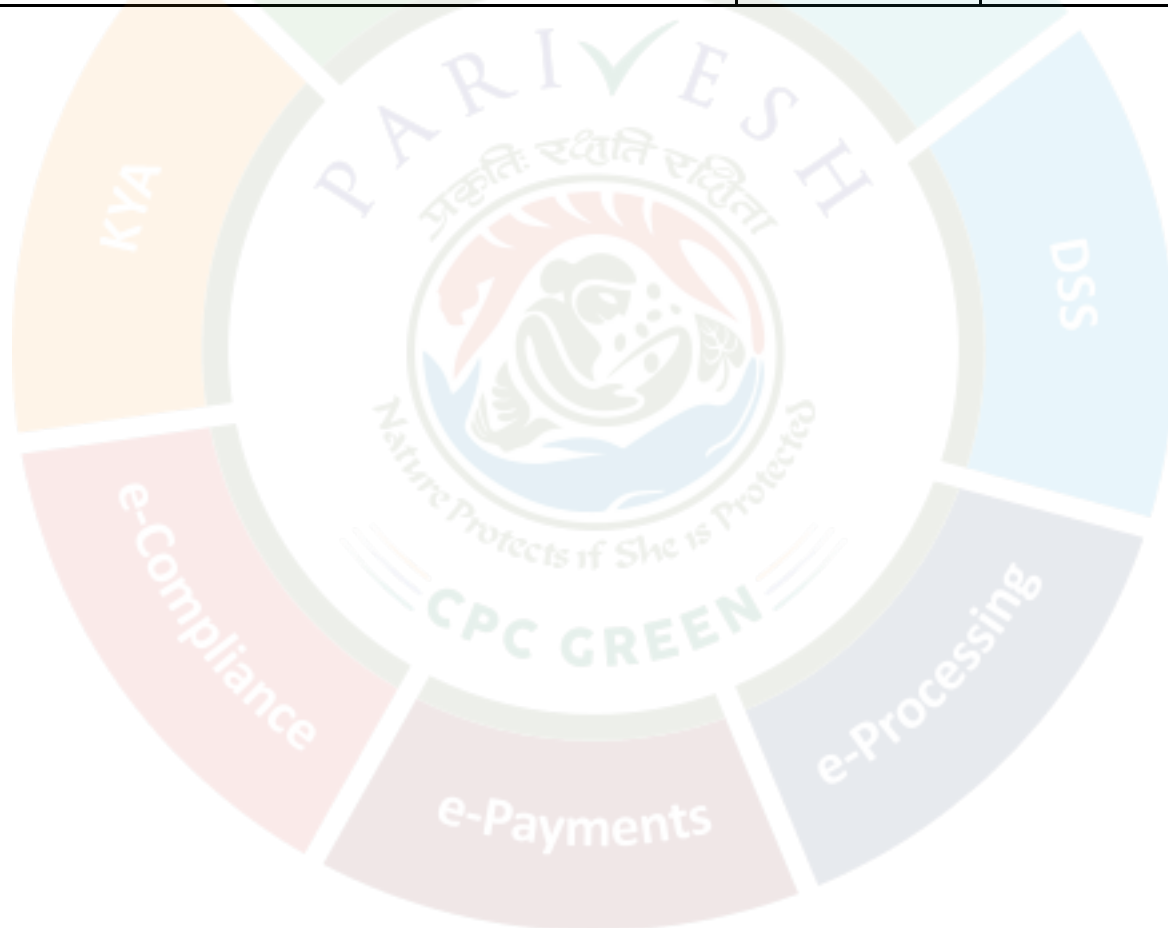
		Nos. for Girls).					
3	Skill Development and Women Empowerment facilities	<p>Location: Village- Gondkhairi, Surabardi, Kalambi ,Ketapar, Sahuli,Drugdhamna and Alesur.</p> <p>Physical Work: Contribute to Direct Implementation in partnership with ITI and MSME, Involvement of women's in Mason training and breaking stereotypes, 7 Self Help Groups in eight villages and 155 women engage in the SHGs.</p>	15	15	-do- (year wise)	100	08
4	Agricultural Facilities	<p>Location: villages Gondkhari and Kalambi.</p> <p>Physical Work: Donation of seeds, saplings, block plantation in village area, Plantation in school, fertilizers, manure to needy farmers, Financial assistance for Irrigation facilities,</p>	15	15	-do- (year wise)	104	06

5	Infrastructure Facilities	Location: Gondkhairi, Surabardi, Kalambi, Ketapar, Sahuli, Drugdhamna and Alesur. Physical Work: Strengthening/maintenance of village roads, Rain Water Harvesting at Community Area, Provision of Plantation and streetlights in Community Area, Provision Training for recycle SWM and Sale of recyclable waste to scrap merchants.	30	15	-do- (year wise)	165	10
6.	Agroforestry Development	Village wise Agro-Forestry area proposed (in Ha) Tehsil-Kalmeshwar Nanda (Rithi) - 4.50 Ha. Kalambi - 3.50 Ha. Gondkhairi - 10.00 Ha. Karali - 46.00 Ha. Surabardi - 9.00 Ha. Waddhamna - 7.00 Ha. Total area: 86 Ha. (including 6 Ha. within ML area)	125	125	-do- (year wise)	946	-
		Capital Expenditure =	267	252	---	1950	58

Summary of revised EMP Cost (Rs. In Cr.)

PROPOSAL NO: IA/MH/CMIN/444481/2023			
File No.- IA-J-11011/46/2022-IA.II(M)			
Sr. No.	Particulars	Proposed EMP Cost (Rs. In Cr.)	
		Capital Cost	Recurring Cost
1	Waste Water Management, Sedimentation Tank including Wheel Washing System	0.75	0.5
2	Water spraying costs in underground and surface	0.25	0.2
3	Air Quality Management, (Dry fog Dust suppression system)	1.6	0.3

4	Implementation of Solar Light	0.2	0.1
5	Solid Waste Management	0.45	0.02
6	Environment Monitoring and Management (including Installation of CAQMS)	2.0	0.25
7	Restoration of Landuse for Infrastructure (Dismantling of structure)	5.20	0.02
Additional Studies			
8	Soil Conservation Plan and Pond (Water Bodies) Rejuvenation and Conservation Activities	4.37	0.10
9	Maintenance of Existing Road Facilities as per requirement	-	2.50
10.	Budget for addressing public hearing concerns	19.50	0.76
Total		34.32	4.75





सत्यमेव जयते

File No.: IA-J-11011/46/2022-IA. II(M)
Government of India
Ministry of Environment, Forest and
Climate Change
IA Division



Dated 21/10/2024



To,
Sh. Shanto Mukherjee
M/s ADANI POWER MAHARASHTRA LIMITED
Adani Power Maharashtra Limited Adani Corporate House Shantigram, Near Vaishno Devi Circle, S.G.
Highway, Khodiyar, Ahmedabad , AHMADABAD, GUJARAT, , 382421
E-mail: gondkhari@adani.com

Subject: Gondkhari Underground Coal Mine (Kamptee Coalfield) (area 862 Ha having targeted capacity 2 MTPA) by M/s Adani Power Maharashtra Limited located at Villages: Waddhamana, Gondkhari, Pendhari, Kalameshwar, Nagpur (rural); District: Nagpur; State: Maharashtra – Grant of Amendment in Environmental Clearance – regarding

Sir/Madam,

This is with reference to your online application vide proposal No. IA/MH/CMIN/495430/2024 dated 05/09/2024 along with CAF (Part A, B and C) seeking amendment in Environment Clearance accorded by the Ministry vide letter no. IA-J-11011/46/2022-IA. II(M), dated 02.02.2024, under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A0102MH5264337A
(ii) File No.	IA-J-11011/46/2022-IA. II(M)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Coal Mining Proposed Gondkhari Underground Coal Mine (Kamptee Coalfield) of area 862.00 Ha, Targeted capacity – 2.0 MTPA, at Village – Gondkhari, Tehsil – Kalmeshwar, Dist. – Nagpur, State – Maharashtra - 440023
(vii) Name of Project	
(viii) Location of Project (District, State)	NAGPUR, MAHARASHTRA
(ix) Issuing Authority	MoEF&CC
(x) EC Date	02/02/2024
(xi) Applicability of General Conditions	NO

(xiii) Status of implementation of the project Yet to commence the activity at the site

3. The proposal was considered by EAC (Coal) in its meeting held during 18-19th September, 2024. The project activity is listed at schedule no. 1(a) - Mining of minerals under Category "A" of the schedule of the EIA Notification, 2006. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

4. Earlier, the Environment clearance for the project was granted under EIA Notification, 2006 vide Ministry's letter no. IA-J-11011/46/2022-IA. II(M), dated 02.02.2024 for a capacity of 2 MTPA in an area of 862 Ha. Details of all the prior ECs including the EC for which amendment is sought are summarized as below:

S. No.	Details of Letter No	EC/Expansion EC/Amendment in EC/Validity extension/Transfer of EC	Capacity (MTPA)	Area (Ha)	Date Issuance	Status of Implementation
1.	IA-J-11011/46/2022-IA. II(M)	Environmental Clearance	2/3 (Normative/Peak)	862	02.02.2024	Project activity is yet to commence at the site.

5. The PP has submitted for amendment in "EC Miscellaneous Condition no. 9.9" and "EC particulars s. no. 2 (iii) – Clearance type" accorded vide letter no. IA-J-11011/46/2022-IA. II(M), dated 02.02.2024. PP has submitted the following amendment along with justification:

Specific/General Condition no.	Details of Conditions as per EC	Amendment Sought	Justification
9. Miscellaneous	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 (MoEF&CC).	Change in infrastructure location within mine lease area, mainly mine entries through inclines and ventilation shaft.	1. Change in location of land: a. Air return shaft land was shifted from Khasra No. 236 private land to Khasra No. 274 private land due to issues in land availability. b. Incline land was shifted from Khasra No. 104, 106, 109 & 110 private land to Khasra No. 96 due to flatten the incline gradient and issues in land availability. c. The location of the Incline mouth and associated infrastructure is proposed to be shifted with a view to make the gradient of the Incline milder/flatter (from 12° to 8°) for deploying tyre mounted trackless equipment for men/material transport. The location of the ventilation shaft has also been changed slightly accordingly. However, there are no other changes in UG layout of any seam. d. The above modification will enable the deployment of safer and advanced mode of men/material transport system with FSVs/ Men transport in the mine.
EC Particulars 2. The particulars of the proposal are as below :	(iii) Clearance Type : Mining EC Under 5 Ha	Mine lease area is 862 ha, which is more than 5 ha.	Mine lease area is 862 ha, which is more than 5 ha.

6. Salient features of the proposed amendment:

A. PP sought following amendment in the EC:

Details	As per EC dated 02.02.2024	Amendment Sought	Remarks	View of EAC of MoEF&CC
Shift of Air Return Shaft	Falls in Khasra No. 236 (private land)	Will be shifted to Khasra No. 274 (private land) due to issues in land availability.	Justification given by PP: The slight changes proposed will further add to safer men/material transport and with a view to enhance conducive work environment for the workers deployed in the mine. The location of the Incline mouth and associated infrastructure has been shifted with a view to make the gradient of the Incline milder/flatter (from 12° to 8°) for deploying tyre mounted trackless equipment for men/material transport. The location of the ventilation shaft has also been changed slightly accordingly. However, there are no other changes in UG layout of any seam. This modification will enable the deployment of safer and advanced mode of men/material transport system with FSVs/ Men transport in the mine.	Considering the letter received from Ministry of Coal, with respect to change in infrastructure location for mine entries through incline and air return shaft as mentioned by PP in the proposal submitted shall only be allowed. For any other expansion or modification, PP shall take prior approval of Ministry of Environment, Forest and Climate Change (MoEF&CC).
Shift of Incline Land due to technical requirement of flatter gradient incline.	Falls in Khasra No. 104, 106, 109 & 110 (private land)	Will be shifted to Khasra No. 96 (private land) due to flatter the incline gradient and issues in land availability.	View of Ministry of Coal on the above changes: Ministry of Coal vide letter no. CCO-MPMC01(110)/1/2024-MPMC dated 06.08.2024, has mentioned that the <u>“Mine entries are part of mine infrastructure and the same is evident from Coal Mines (Special Provisions) Act, 2015, where compensation is payable to mine entries under infrastructure. So, the changes proposed in the location of mine entries will come under the provisions of “minor changes” under para 1.3B of the OM dated 29.05.2020 of Ministry of Coal regarding Mining Plan and Mine Closure Guidelines. Also, the related necessary changes in the mine layout and sequence of mining may be taken as “minor changes” and may be allowed without any modification of</u>	

Details	As per EC dated 02.02.2024	Amendment Sought	Remarks	View of EAC of MoEF&CC
			<u>Mining Plan. Accordingly, it was confirmed that the shaft and incline are integral parts of the mine infrastructure and their relocation falls within the minor changes category as per the guidelines.”</u>	

Due to the shift of Air Return Shaft and inclined mouth, the land use changes during mining and post closure is furnished as below:

As per Approved Mine Plan					Changes envisaged in the approved mining plan				
Type	Land use (proposed)	Land use (end of mine life)	Agriculture	Total	Type	Land use (proposed)	Land use (end of mine life)	Agriculture	Total
Road & Infrastructure Area	13.845	13.845	13.845	13.845	Road & Infrastructure Area	13.845	13.845	13.845	13.845
Settling Pond	0.08	0.08	0.08	0.08	Settling Pond	0.08	0.08	0.08	0.08
Embankment	0.075	0.075	0.075	0.075	Embankment	0.075	0.075	0.075	0.075
Green Belt	2.0	2.0	2.0	2.0	Green Belt	5.3	5.3	5.3	5.3
UG Entry	2.0	2.0	2.0	2.0	UG Entry	2.0	2.0	2.0	2.0
Undisturbed/ Mining Right for UG	844	844		844	Undisturbed/ Mining Right for UG	840.7	840.7		840.7
Grand Total	862	862	18.0	862	Grand Total	862	862	21.3	862

B. PP sought the following corrigendum in the EC letter dated 02.02.2024:

Para No	As per EC dated 02/02/2024	Amendment Sought
2	(iii) Clearance Type : Mining EC Under 5 Ha	(iii) Clearance Type: Fresh EC

7. Details of court cases:

Case No.	Court	Brief	Next date of hearing
APPEAL NO. 145 OF 2024 (WZ)	NGT (Western Zone Bench, Pune)	EC on which amendment is being sought has been challenged before Hon'ble NGT (WZ), Pune on the grounds to quash and set aside the environmental public hearing held on 13/07/2023 by MPCB.	16.10.2024

Deliberations of the Committee

8. The Committee deliberated on various aspects of the proposal submitted and the presentation made by PP. After detailed deliberation, the Committee noted the following:

i. MoEF&CC has granted EC for Gondkhari Underground Coal Mine of M/s Adani Power Maharashtra Limited vide letter no. IA-J-11011/46/2022-IA. II(M), dated 02.02.2024 for targeted capacity of 2 MTPA and peak capacity of 3 MTPA in an area of 862 Ha.

ii. It is observed that the said project involves 87.351 Ha of forestland and the Stage – I FC has been accorded on the same on 02.01.2024.

iii. The above mentioned project is yet to be implemented.

iv. Miscellaneous Condition no. 9.9 of EC stipulated that, “No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).”

Now, the PP has submitted the proposal to seek amendment in this particular condition to amend the same and allow the PP to “change the infrastructure location within mine lease area, mainly mine entries through inclines and ventilation shaft.” Justification provided for the same by the PP is that due to issues in land availability, air return shaft and incline had to be shifted and there was also a technical requirement of a flatter gradient incline to be developed for safe working.

PP further submitted that changes in acreage are also proposed. Area for infrastructure was earlier proposed to be 18 Ha, which is now being increased by 3.31 Ha, i.e. total area proposed for acreage will be 21.31 Ha. PP also submitted that the increased area proposed will be used for greenbelt development only.

v. The Committee observed that the said proposal was earlier deliberated in 13th EAC held on 1st-2nd July 2024, where along with the board approval letter dated 11.04.2024, PP submitted that the modifications in the mine plan proposed to be made are of minor nature (as per clause 1.3 (B) of OM dated 29.05.2020 of MOC) and the same need not to be approved from MOC. The Member Secretary confirmed the same from MOC and it was informed that it does not falls under the purview of minor changes as per the guidelines of MOC. Hence, the proposal was returned in the present form.

vi. Now the PP has again submitted the proposal for amendment along with the letter of MOC, dated 06.08.2024, wherein it is submitted that a meeting was held at MOC on 29.07.2024 under the chairmanship of Additional Secretary and Nominated Authority, regarding this particular issue for the said project. The MOC in this letter has mentioned that the “Mine entries are part of mine infrastructure and the same is evident from Coal Mines (Special Provisions) Act, 2015, where compensation is payable to mine entries under infrastructure. So, the changes proposed in the location of mine entries will come under the provisions of “minor changes” under para 1.3B of the OM dated 29.05.2020 of Ministry of Coal regarding Mining Plan and Mine Closure Guidelines. Also, the related necessary changes in the mine layout and sequence of mining may be taken as “minor changes” and may be allowed without any modification of Mining Plan. Accordingly, it was confirmed that the shaft and incline are integral parts of the mine infrastructure and their relocation falls within the minor changes category as per the guidelines.”

The Committee deliberated on the same and observed MOC has conducted a separate meeting under the chairmanship of Additional Secretary and Nominated Authority, in order to give clarification instant matter under consideration and has issued a specific report for the same stating that such changes may be taken as minor changes and may be allowed without modification of Mining Plan.

vii. The Committee further deliberated on the impact of making such changes on the environment. In this regard, PP informed that that there is less than 50 m difference in the distance between old land and the newly proposed land and no such impact will be there on the environment for making such changes. The Committee also observed that the area increased for infrastructure (i.e., 3.31 Ha) will be used for greenbelt development.

viii. The Committee also observed that, the proposed shift being made for air return shaft and incline land is from private land to private land only with a view to make the gradient of the Incline milder/flatter (from 12° to 8°). This modification will enable the deployment of safer and advanced mode of men/material transport system with FSVs/ Men transport in the mine.

ix. Apart from this, another amendment sought by the PP is rectification in the EC Particulars, S. no. (iii) Clearance Type, which is mentioned as “Mining EC under 5 Ha” instead of “Fresh EC”. The Committee observed that some part of the EC letter are system generated and due to technical error it is wrongly mentioned as Mining EC under 5 Ha”. This should be as “Fresh EC” rather.

x. The Committee also deliberated on the litigations pertaining to the said project and observed that the EC on which amendment is sought has been challenged at the NGT – Pune and the case has been registered as Brijkishore Hargovind Agarwal vs UOI on 24.07.2024 as Appeal No. 145/2024. The said EC has been challenged before Hon’ble NGT (WZ), Pune on the grounds to quash and set aside the environmental public hearing held on 13/07/2023 by MPCB. PP is advised to abide by the Order of Hon’ble NGT.

Recommendations of the Committee

9. After deliberations, the Committee **recommended** the proposal for amendment in EC granted vide file no. - IA-J-11011/46/2022-IA. II(M), dated 02.02.2024 with respect to Change in infrastructure location for mine entries through incline and air return shaft as mentioned above at **para 6 A** subject to stipulation of additional specific condition (**Annexure-I**). Other terms and conditions prescribed in EC dated 02/02/2024 shall remain unchanged. In addition to the above, the Committee also recommended corrigendum in the EC dated 02/02/2024 as given above at **Para 6B**.

Decision of MoEF&CC

10. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Coal) hereby decided for grant of amendment in the EC dated 02.02.2024; as detailed in **para 6A** above subject to the compliance of the additional terms & conditions / specific conditions at **Annexure 1**.

11. All other terms and conditions mentioned in the Environment Clearance letter no. IA-J-11011/46/2022-IA. II(M), dated 02.02.2024 shall remain unchanged.

12. The project proponent shall obtain fresh Environment Clearance in case of change in scope of the project, if any.

13. This issues with the approval of the Competent Authority.

Yours faithfully,

Email- r.sundar@nic.in

(Sundar Ramanathan)
Scientist 'E'/Additonal Director
Tel: 011- 20819378

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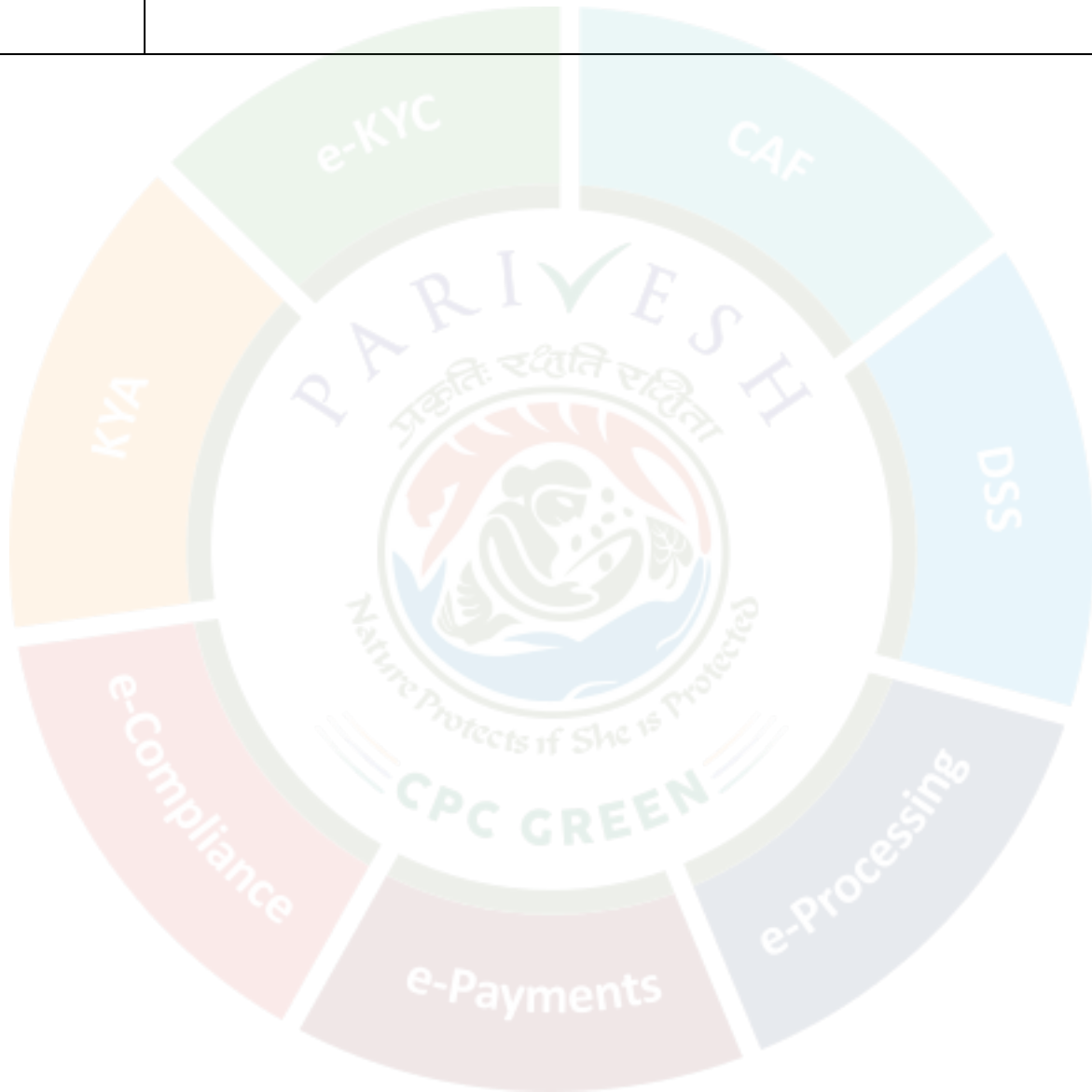
1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. The Principal Secretary, Department of environment, Government of Maharashtra-15th Floor, New Admin Bldg, Madam Cama Road, Mantralaya, Mumbai-32 (Maharashtra)
3. The Deputy Director General of Forests (C), Regional Office, Ministry of Environment, Forest and Climate Change, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001,
4. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
5. The Chairman, Maharashtra State Pollution Control Board, Kalapathar Point, 3rd & 4th Floors, Sion, Matunga Scheme Road No 8, Opp. Cine Planet Cinema, Near Sion circle, Sion (E) Mumbai-2.
6. The Member Secretary, Central Ground Water Authority (CGWA),18/11Jamnagar House, Man Singh Road, New Delhi-11001.
7. The Regional Director, Central Ground Water Board, Central Region, N.S. Building, Civil Lines, Nagpur 440001 Maharashtra
8. District Collector, Nagpur, Government of Maharashtra
9. PARIVESH Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Additional Specific Conditions

S. No	EC Conditions
1.1	The project proponent shall abide by all orders and judicial pronouncements, made from time to time by the Hon'ble National Green Tribunal (NGT), Western Zone, Pune in Appeal No. 145 of 2024.
1.2	Additional Green belt shall be developed by the project proponent in an area of 5.51 Ha around the periphery of Infrastructure area as committed in accordance with the CPCB guidelines and in consultation with Local Forest Department. Compliance status in this regard shall be submitted to the concerned Regional Office of the Ministry along with the six monthly compliance report.





सत्यमेव जयते

File No.: IA-J-11011/46/2022-IA. II(M)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 16/12/2024



To,

Sh. Shanto Mukherjee
M/s Adani Power Maharashtra Limited (APML)
Adani Power Maharashtra Limited, Adani Corporate House, Shantigram, Near Vaishno Devi Circle,
S.G. Highway, Khodiyar, Ahmedabad, Gujarat, 382 421
E-mail: gondkhari@adani.com

Subject: **Proposal of Gondkhari Underground Coal Mine of production capacity 2.0/3.0 MTPA (Normative/Peak) in the mine lease area of 862.00 Ha located at Village Gondkhari, Tehsil Kalmeshwar, District Nagpur, Maharashtra – Grant of Transfer of Environment Clearance from M/s. Adani Power Maharashtra Limited (APML) to M/s. Adani Power Limited (APL) – Reg.**

Ref.: a) Environment Clearance (EC) accorded by MoEF&CC vide EC letter no. IA-J-11011/46/2022-IA. II(M), dated 02/02/2024.
b) Amendment in EC vide letter no. IA-J-11011/46/2022-IA. II(M), dated 21/10/2024.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/CMIN/502187/2024 dated 14/11/2024 for grant of transfer of Environmental Clearance (EC) dated 02/02/2024 to the above mentioned project from M/s. Adani Power Maharashtra Limited (APML) to M/s. Adani Power Limited (APL) under the provision of para 11 of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A0102MH5203718T
(ii) File No.	IA-J-11011/46/2022-IA. II(M)
(iii) Clearance Type	Transfer of EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Coal Mining
(vii) Name of Project	Proposed Gondkhari Underground Coal Mine

(viii) Location of Project (District, State)

(ix) Issuing Authority

(x) EC Date

(xi) Details of Transferee

(xii) Details of Transferor

(Kamptee Coalfield) of area 862.00 Ha, Targeted capacity – 2.0 MTPA, at Village – Gondkhari, Tehsil – Kalmeshwar, Dist. – Nagpur, State – Maharashtra - 440023

NAGPUR, MAHARASHTRA

MoEF&CC

02/02/2024

M/s Adani Power Limited (APL), Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad, Gujarat-382421

M/s Adani Power Maharashtra Limited (APML), Adani Corporate House Shantigram, Near Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad, Near Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad 382421

3. Initially, MoEF&CC accorded Environment Clearance on 02/02/2024 in favor of M/s. Adani Power Maharashtra Limited (APML) for setting up Gondkhari Underground Coal Mine of production capacity 2.0/3.0 MTPA (Normative/Peak) in the mine lease area of 862.00 Ha located at Village Gondkhari, Tehsil Kalmeshwar, District Nagpur, Maharashtra. As per the EC accorded on 02/02/2024, the proposal involves 87.35 Ha of forestland. In this regard, PP has obtained Stage- I FC on 02/01/2024 and application for transfer of stage- I FC in the name of M/s. Adani Power Limited (APL) vide proposal no. FP/MH/MIN/QRY/503358/2024 dated 28/10/2024.

4. Subsequently, amendment to the EC dated 02/02/2024 was accorded on 21/10/2024 for allowing the change in infrastructure location for mine entries through incline and air return shaft.

5. Status of implementation of the EC dated 02/02/2024 is as below-

Facilities as per dated 02/02/2024			Present status of implementation	Other statutory approvals
Facility	Configuration/ Production Capacity	Date		
Coal Mining	2.0/3.0 MTPA (Normative/Peak)	02/02/2024	CTE obtained from MPCB on 06/06/2024 in the name of M/s. APML. Application for the transfer of CTE in the name of M/s. Adani Power Limited has been submitted to MPCB on 14/07/2024.	CTE has been obtained from MPCB on 06/06/2024 but the activity is yet to be commenced at the project site.

6. Reasons for transfer of EC and ownership details: As per the NCLT Order dated 08/02/2023 in C.P (CAA)/78(AHM)2022 connected with C.A.(CAA)/51(AHM)2022, the M/s. Adani Power Maharashtra Limited (APML) is amalgamated with M/s. Adani Power Limited (APL). Corporate Identification Number (CIN) of both companies are as below-

Name of Entity	CIN Number	Remarks
M/s. Adani Power Maharashtra Limited (APML)	U40101GJ2007PLC050506	CIN number of M/s. Adani Power Maharashtra Limited (APML) and M/s.
M/s. Adani Power Limited (APL)	U40100GJ1996PLC030533	Adani Power Limited (APL) is different.

		In view of this, proposal involves transfer of EC with change of ownership and the same has been mentioned by the PP in their proposal.
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7. Documents submitted for the EC transfer: PP has submitted the following documents:

i. National Company Law Tribunal (NCLT) Ahmedabad Bench Order dated 08/02/2023 in C.P.(CAA)/78(AHM)2022 in C.A.(CAA)/51(AHM)2022.

ii. No Objection Certificate (NOC) by the M/s. Adani Power Maharashtra Limited (APML) for the transfer of EC dated 02/02/2024 & its subsequent amendment from M/s. Adani Power Maharashtra Limited (APML) to M/s. Adani Power Limited (APL).

iii. Undertaking by M/s. Adani Power Limited (APL) in non-judicial stamp paper stating that they will abide by all the conditions stipulated in the EC dated 02/02/2024 & its subsequent amendment.

iv. Adoption agreement dated 18/07/2024 executed between M/s. APL and the nominated authority of Ministry of Coal (MoC) on 18/07/2024 for complying with the vesting conditions mentioned in clause 3 of the Coal Mines Special Provisions (CMSP) Act, 2015 under the vesting order of the Ministry of Coal dated 18/11/2021. As per the adoption agreement, M/s. APL assures/undertakes the following:

a) Assures that it meets the applicable Eligibility Conditions as were applicable on APML in respect of allocation of the Gondkhari coal mine.

b) Agrees to adopt the Coal Mine Development and Production Agreement (CMDPA) as if it had been originally a party thereto in lieu of APML, and hereby agrees to adhere to all the terms, conditions and schedules of the said CMDPA.

c) Agrees to pay any amount due from APML.

d) Undertakes all liabilities, satisfied or unsatisfied, which had accrued to APML in the past.

8. Considering the above, it has been decided by the Ministry to transfer the Environmental Clearance dated 02/02/2024 & its subsequent amendment dated 21/10/2024 from M/s. Adani Power Maharashtra Limited (APML) to M/s. Adani Power Limited (APL) subject to satisfactory compliance to all the stipulated specific and general conditions mentioned in the EC letter dated 02/02/2024 & its subsequent amendment dated 21/10/2024.

9. The PP shall obtain CTE/CTO in the name of M/s Adani Power Limited (APL).

10. In case, there is a change in the scope of the project, fresh environmental clearance shall be obtained.

11. This issues with the approval of the Competent Authority.

Yours faithfully,

(Sundar Ramanathan)

Scientist 'E'

Tel: 011- 20819378

Email- r.sundar@nic.in

Copy To

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.

2. The Principal Secretary, Department of environment, Government of Maharashtra-15th Floor, New Admin Bldg,

Madam Cama Road, Mantralaya, Mumbai-32 (Maharashtra)

3. The Deputy Director General of Forests (C), Regional Office, Ministry of Environment, Forest and Climate Change, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001,
4. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
5. The Chairman, Maharashtra State Pollution Control Board, Kalapataru Point, 3rd & 4th Floors, Sion, Matunga Scheme Road No 8, Opp. Cine Planet Cinema, Near Sion circle, Sion (E) Mumbai-2.
6. The Member Secretary, Central Ground Water Authority (CGWA), 18/11 Jamnagar House, Man Singh Road, New Delhi-11001.
7. The Regional Director, Central Ground Water Board, Central Region, N.S. Building, Civil Lines, Nagpur 440 001 Maharashtra
8. District Collector, Nagpur, Government of Maharashtra
9. PARIVESH Portal

