

No. J-11015/286/2010-IA.II (M)
Government of India
Ministry of Environment, Forests & Climate Change
IA-II (Coal mining) Division

Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi-110003

Dated: 10th December, 2014

To,
Director (P&P),
M/s The Singareni Collieries Company Ltd.,
Kothagudam,
Bhadrachalam Road Railway station,
Khammam District,
Andhra Pradesh - 507101.

Sub. : Manuguru Opencast IV Extension Project of (Normative 3 MTPA with a Peak production of 3.5 MTPA in ML area of 734.60 ha; Latitude 17° 56' 29" to 17° 59' 12" North and longitude 80°46'13" and 80° 49' 12 "East) M/s The Singareni Collieries Company Ltd. District Khammam, Andhra Pradesh - Environmental Clearance - reg.

Sir:

This is with reference to letter no. CRP/ENV/A/429A/487 dated 11.08.2010 with the application for Terms of Reference (TOR) and this Ministry's letter dated 28.10.2010 TOR. Reference is also invited to the letter no CRP/ENV/A/429A/643 dated 16.11.2012 and subsequent letter nos. dated 27.07.2013; 27.01.2014 and 19.05.2014 for environmental clearance on the above-mentioned subject.

2. The Ministry of Environment, Forests & Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance for **Manuguru Opencast IV Extension Project of (Normative 3 MTPA with a Peak production of 3.5 MTPA in ML area of 734.60 ha; Latitude 17° 56' 29" to 17° 59'12" North and longitude 80°46'13" and 80°49'12 "East) M/s The Singareni Collieries Company Ltd. District Khammam, Andhra Pradesh.** The proposal was considered in the 67th EAC- meeting held on 04th- 05th February, 2013 and 17th EAC meeting held on 23rd- 24th 25th July, 2014. The proponent informed that:

- i. The present proposal is to increase the production capacity from 1.25 MTPA to 3.00 MTPA with peak production capacity of 3.50 MTPA and the mining lease area from 440.00 Ha to 734.60 ha under the name of Manuguru Opencast –IV Extension Project (MNG OC-IV Extension). Manuguru Opencast – IV (MNG OC-IV) project was started by converting Prakasham Khani-3 incline (PK-3) underground mine into opencast for extraction of remnant reserves. The proponent was accorded environmental clearance vide Lr. No. J-11015/9/92-IA.II(M), dated 06.12.1996 for production capacity of 1.25 MTPA in the mining lease area 440.00 Ha.
- ii. The latitude and longitude of the project are 17° 56' 29" to 17° 59' 12" (North) and 80° 46' 13" to 80° 49' 12" (East) respectively.



iii. The land usage of the project will be as follows:

Pre-Mining:

Sl. No	Pre-mining land use	Area in (Ha)
1	Forest	654.95
2	Single crop land	33.26
3	Double crop land	---
4	Dry Land	30.00
5	Waste land	16.25
6	Water bodies	0.14
7	Built up area	---
	TOTAL	734.60

Post- Mining:

Sl No.	Description	LAND USE DETAILS (Ha.)				
		Plantation	Water body	Public use	Other uses	Total
1	Quarry Area	107.12	314.98	0.00	6.64	428.74
2	External Dump	105.92	0.00	0.00	5.66	111.58
3	Service buildings, CHP, etc.	11.97	0.00	0.00	3.79	15.76
4	Internal dump area (void area of OC-I and COC)	177.75	0.00	0.00	0.77	178.52
	TOTAL	402.76	314.98	0.00	16.86	734.60

Core area :

Particulars	Land under possession of SCCL			Additional land requirement			Total land required		
	Non-Forest	Forest	Total	Non-Forest	Forest	Total	Non-Forest	Forest	Total
Quarry area with safe barrier, drains & roads	6.61	236.29	242.90	0.89	184.95	185.84	7.50	421.24	428.74
OB Dumps; External dump with safe barrier, drains & roads	46.35	65.23	111.58	0.00	0.00	0.00	46.35	65.23	*111.58
Service buildings, CHP etc	14.51	1.25	15.76	0.00	0.00	0.00	14.51	1.25	15.76
SUB-TOTAL	67.47	302.77	370.24	0.89	184.95	185.84	68.36	487.72	556.08
Internal dump area (Voids of OC-I & COC)	11.29	167.23	178.52	0.00	0.00	0.00	11.29	167.23	178.52
Total land requirement	78.76	470.00	548.76	0.89	184.95	185.84	79.65	654.95	734.60

**255.04 Ha of land earmarked for MNG OC-II Extension (EC granted) dump yard will be used for external dump in addition to the above initially and OB of MNG OC-II to be accommodated in this area will be dumped in the void of the MNG OC-IV Expansion*

- iii. The total geological reserve is 65.90MT. The mineable reserve 58.90 MT, extractable reserve is 58.90 MT. The per cent of extraction would be 89.4%.
- iv. The coal grade is G5-17%, G8-26%, G10-14% and G12-43%. The stripping ratio is 6.27 Cum/tonne. The average Gradient is 1 in 5.5 to 1 in 7. There will be 10 seams with thickness ranging upto

Seam	Usual Thickness(m)
I Seam	3.99
H1 Seam	1.11
H2 Seam	2.08
B3 Seam	0.80
H3 Seam	4.50
H4T Seam	1.18
THICK Seam	7.13
INDEX seam	2.93
Split Seam 1	2.10
Split Seam 2	3.04

- v. The total estimated water requirement is 2450 m³/day. The level of ground water ranges in Pre monsoon from 0.80 m to 13.0 m and Post monsoon from 0.10 m to 8.55 m.
- vi. The mining will be by mechanized method with controlled blasting.
- vii. There are two external OB dump with Quantity of 155.55 Mm³ in an area of 111.58 Ha and with height of 90 meter and one internal dump with Quantity of 212.41 Mm³ in an area of 395.78 Ha.
- viii. The final mine void would be in 314.98 Ha. with the height of 35 Mts. and the Total quarry area is 428.74 Ha. Backfilled quarry area of 107.12 Ha shall be reclaimed with plantation and A void of 314.98 at a depth of 35 m which is proposed to be converted into a water body.
- ix. The seasonal data for ambient air quality has been documented and all results at all stations are within prescribed limits.
- x. Approvals: Board approved the proposal on 29.03.2010. Ground water clearance obtained on 17.09.2012. Revised Mine Plan Approved on 08.05.2014.
- xi. Method of mining : Opencast
- xii. The life of mine is 20 years.
- xiii. **Transportation:** Coal will be transported from pit head CHP to railway siding through belt conveyor.
- xiv. There are no **R&R** involved.
- xv. Cost: Total capital cost of the project is Rs. 180.61 crores. The CSR cost will be 5/- per Tonne of coal production. Environment Management Cost (Capital Rs. 175 Lakhs (Direct) and Rs. 3966 Lakhs (Indirect).
- xvi. **Water body:** The main drainage of the lease is Gorripetu Vagu, a tributary of River Godavari. Only 1st and 2nd order streams exist in the proposed area. A small portion of surface water body (Polibothula Kunta) falling in the north side boundary of quarry area. General Manager office falling in the dump area is shifted to outside the boundary. Water table in the core zone is in the range of Ground Water level (depth to water) in this area vary from 0.8 m. to 13.0 m.



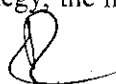
- xvii. **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.
- xviii. **Forestry issues:** The forest land involves 654.95 Ha. The details of Stage-1 FC are as follows:

S.No.	Area (in ha)	Stage-1 FC issued vide letter no & date
1	104.00	No.8-14/94-FC Dt.1402.1997
2	250.54	8-73/2005-FC Dt.10.07.2008
3	2.49	8-73/2005-FC Dt.10.07.2008
4	106.37 (Part of 308.40)	8-24/88-FC Dt.21.12.1988
5	6.60 (Part of 286.25)	8-8/96 Dt.10.10.1997
6	184.95	No. 8-79/2013-FC, Dated 30.06.2014
	654.95	Total

- xix. Total afforestation plan shall be implemented covering an area of 402.76 Ha. at the end of mining. Reclaimed external Dump in (105.92 Ha), Internal Dump in (284.87 Ha) and Green Belt over an area of 11.97 ha. Density of tree plantation 2500 trees/ ha of plants.
- xx. There are no court cases/violation pending against the project proponent.
- xxi. **Public Hearing:** PH was held on 25.08.2012. The issues raised in the PH includes provision of basic amenities like roads, education, health and drinking water facilities in surrounding villages; supply of drinking water ; R&R of adjacent Manuguru OCP; diversion of mine discharge water to nearby for irrigation ; water pollution; employment to PDFs and local people ; Retaining of 60 coal fillers transferred from Manuguru to Bhopal palli area. The proponent has made Commitment to comply with all the issues raised in the Public Hearing.
- xxii. Gram Sabha Hearing was conducted on 27.8.2012 at Tirlapur Village. The major issues includes Catchment area of the Polibothula Kunta (Porapotra kunta) and BurudavaiKunta (Irrigation tanks) will be reduced due to expansion of Manuguru OC-IV Project, alternative water source to be provided for the agriculture purpose, 1500 Acres of Agriculture land will become barren land due to diversion of Gorrepetavagu. Hence, alternative water source to be provided for the above Agriculture land etc.

3. The proponent has further informed that:

- i. Based on the recommendations of the EAC, the OB dumping sequence was reviewed along with the OB dumping strategy of adjacent Manuguru Opencast-II Expansion project for minimizing the external OB dump height. In order to minimize the fresh land degradation, 113.79 M.Cu.m of OB generated from the proposed project will be dumped in the OB dump area earmarked for adjacent MNG OC-II Expansion project and the OB which is actually planned to dump in that area will be dumped in the voids of the MNG OC-IV Expansion project to bring the depth of the void to 35 m below ground level. The height of the south external dump and internal dump was planned 120 m earlier. By revising the dumping strategy, the height of the south external dump and internal dump is reduced to 90 m.



ii. Overburden Management – Dumping Strategy

Sl. No	Dump Yard	OB (M.Cu.m)	%	Height (m)	Area (Ha)
1	South External Dump	41.76	11.3	*90	89.80
2	North External Dump	113.79	30.9	**120	***181.29
3	Internal Dump	212.41	57.8	90	395.78
	Total	367.96	100.0		

iii. Stage wise Plantation Programme

Sl. No	Stage of mining operation	Plantation during the stage	Loss of Plantation	Progressive Plantation
		(Area in Ha)		
1	Initial	--	--	60.22
2	Stage –I	--	-26.56	33.66
3	Stage – II	40.03	-30.80	42.89
4	Stage – III	29.11	--	72.00
5	Stage – IV	21.47	--	93.47
6	Stage - V	289.08	--	382.55
7	Final stage	--	--	382.55
8	Mine Closure Stage	20.21	--	

Description of area	Plantation (Ha)
Quarry area	107.12
OB Dumps area	283.67
Other places (Service buildings, CHP, etc.)	11.97
Total	402.76

iv. Post Mining Land Use

Sl. No.	Description	LAND USE DETAILS (Ha.)				
		Plantation	Water body	Public use	Other uses	Total
1	Excavation Area (including safe barrier, drains and inspection roads)	107.12	314.98	0.00	6.64	428.74
2	External Dump (including safe barrier, drains and inspection roads)	105.92	0.00	0.00	5.66	111.58
3	Service buildings, CHP, etc.	11.97	0.00	0.00	3.79	15.76
4	Internal dump area (void area of OC-I and COC)	177.75	0.00	0.00	0.77	178.52
	TOTAL	402.76	314.98	0.00	16.86	734.60

- v. As per the recommendations of EAC, the transport of coal from pit head CHP to railway siding shall be through belt conveyor:
- vi. There are no forest dwellers in the proposed forestland for diversion. The same was certified by District collector vide RC No. G/333/2013, dated 14.06.2013.



- vii. Measures for alternate livelihood for the dependence on minor forest produces (indirect dependence) based on Grama Sabha conducted at Tirupuram Village under the chairmanship of special officer viz. Providing of employment to the unemployed youth of the affected villages by forming societies through Project Officer, ITDA, Bhadrachalam; Providing of vocational training; Plantation in degraded forestland around the project location; Feeding of mine discharge water into the nearby tanks; Desilting of surrounding village tanks; Training for securing employment in Armed Forces; Development of social infrastructure through SHAPE Programme of SCCL.
- viii. Mining Plan was approved by the Ministry of Coal, GoI vide Lr. No. 13016/6/2008-CA-II, dtd. 08.05.2014.

4. The proposal was re-considered in the Expert Appraisal Committee (EAC) (Thermal & Coal Mining) and recommended in its 17th EAC meeting held on 23rd – 24th & 25th July, 2014 for granting Environmental Clearance. The Ministry of Environment, Forests & Climate Change hereby accords Environmental Clearance for the above-mentioned **Manuguru Opencast IV Extension Project of (Normative 3 MTPA with a Peak production of 3.5 MTPA in ML area of 734.60 ha; Latitude 17° 56' 29" to 17° 59' 12" North and longitude 80° 46' 13" and 80° 49' 12" East) M/s The Singareni Collieries Company Ltd. District Khammam, Andhra Pradesh** under the provisions of the Environmental Impact Assessment Notification, 2006 and amendments thereto and Circulars issued thereon and subject to the compliance of the following specific conditions, in addition to the general conditions mentioned below:

A. Specific Conditions:

- i. The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.
- ii. The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.
- iii. Old stabilized dumps which are vegetated will not to be disturbed.
- iv. Active internal dumps shall be re-handled to reduce the size of the void.
- v. The plantation be carried out with the minor forests produce plants.
- vi. Action plan prepared for implementation for afforestation and livelihood (e.g. piggery, goatry, etc.) of the PAFs .
- vii. There shall be no external dumps in the new mining areas.
- viii. The proponent is advised to prepare a feasibility report and model forest plan for implementation and the report be submitted to the MoEF.
- ix. Coal will be transported from pit head CHP to railway siding through belt conveyor.
 - x. The coal production shall be within the same Mining Lease area.
 - xi. The OB shall be completely re-handled at the end of the mining.
- xii. Final mine void depth will not be more than 35 m. The void area will be converted into water body.
- xiii. Garland drains shall be provided.
- xiv. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.
- xv. The land after mining shall be brought back for agriculture purpose.
- xvi. Mine water should be treated for discharge into the lagoon. The quality of lagoon water shall be regularly monitored and mitigation measures taken.



- xvii. The CSR cost should be Rs 5 per Tonnes of Coal produced which should be adjusted as per the annual inflation.
- xviii. Everybody in the core area should be provided with mask for protection against fugitive dust emissions.
- xix. The supervisory staff should be held personally responsible for ensuring compulsory regarding wearing of dust mask in the core area.
- xx. People working in the core area should be periodically tested for the lung diseases and the burden of cost on account of working in the coal mine area.
- xxi. The mining area should be surrounded by green belt having thick closed thick canopy of the tree cover.
- xxii. The embankment constructed along the river boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side and stabilised with plantation so as to withstand the peak water flow and prevent mine inundation.
- xxiii. There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.
- xxiv. OB shall be stacked at two earmarked external OB dumpsite(s) only. The ultimate slope of the dump shall not exceed 28°. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forests & Climate Change and its concerned Regional office on yearly basis.
- xxv. Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted and maintained properly. Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.
- xxvi. Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- xxvii. Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.
- xxviii. Drills shall be wet operated.
- xxix. The project authorities shall undertake regular repairing and tarring of roads used for mineral transportation. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads,
- xxx. Controlled blasting shall be practiced with use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.
- xxxi. A Progressive afforestation plan shall be implemented covering an area of 402.76 ha at the end of mining, which includes reclaimed external OB dump area (105.92 ha), Internal OB dump area (284.87 ha), and Green belt (11.97 ha) and in township located outside the lease by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mine.



- xxxii. An estimated total 367.96 Mm³ of OB will be generated during the entire life of the mine. Out of which 155.55 Mm³ of OB will be dumped in two external OB Dumps an earmarked area covering 111.58 Ha. and 181.29 Ha belongs to adjacent MNG OC-II Project. 212.41 Mm³ of will be one internal OB dump in covering an area of 395.78 ha. The maximum height of external OB dump for hard OB will not exceed 90 m. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self- sustaining and compliance status shall be submitted to MoEF&CC and its Regional Office on yearly basis.
- xxxiii. The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.
- xxxiv. Compensatory Ecological & Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out.
- xxxv. The mining should be phased out in sustainable manner. No extra over burden dumps are permitted.
- xxxvi. No groundwater shall be used for mining operations.
- xxxvii. Of the total quarry area of 428.74 ha. the backfilled quarry area of 107.12 ha shall be reclaimed with plantation and a void of 314.98 ha at a depth of 35 m which is proposed to be converted into a water body shall be gently sloped and the upper benches shall be terraced and stabilised with plantation/afforestation by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.
- xxxviii. Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new peizometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-inonsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment, Forests & Climate Change and tot eh Central Pollution Control Board quarterly within one month of monitoring.
- xxxix. The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
- xl. Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.
- xli. Besides carrying out regular periodic health check-up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency /institution within the District/State and the results reported to this Ministry and to DGMS.
- xlii. Land oustees shall be compensated as per the norms laid out R&R Policy of CIL or the National R&R Policy or R&R Policy of the State Government whichever is higher.
- xliii. For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEFCC and its concerned Regional office
- xliv. A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forests & Climate Change within 6 months of grant of Environmental Clearance.
- xl. The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.



- xlvi. Corporate Environment Responsibility:
- a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.
 - c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
 - d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

B. General Conditions

- i. No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forests & Climate Change.
- ii. No change in the calendar plan of production for quantum of mineral coal shall be made.
- iii. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.
- iv. Data on ambient air quality (PM₁₀, PM_{2.5}, SO₂ and NO_x) and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EPA rules, 1986 shall be furnished as part of compliance report.
- v. Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.
- vi. Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.
- vii. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.
- viii. Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognised under EPA Rules, 1986.
- ix. Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.
- x. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.



- xi. A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.
- xii. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- xiii. The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the Ministry of Environment, Forests & Climate Change at <http://envfor.nic.in>.
- xiv. A copy of the environmental clearance letter shall be marked to concern Panchayat/Zila Parishad, Municipal Corporation or Urban local body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.
- xv. A copy of the environmental clearance letter shall be shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.
- xvi. The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated environmental clearance conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM₁₀, PM_{2.5}, SO₂ and NO_x (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.
- xvii. The project proponent shall submit six monthly compliance reports on status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Office s of CPCB and the SPCB.
- xviii. The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xix. The Environmental statement for each financial year ending 31 March in For -V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEFCC by e-mail.

5. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.

6. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent

7. The proponent is required to 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.

8. The Ministry or any other competent authority may stipulate any further condition for environmental protection.



9. The Proponent shall setup an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.

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

11. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules 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. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.

12. 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.

13. This EC supersedes the earlier EC, vide letter no. J-11015/9/92-IA.II(M), dated 06.12.1996 for 1.25 MTPA.


(Dr. Manoranjan Hota)
Director

Copy to:

1. Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. Secretary, Department of Environment & Forests, Government of Andhra Pradesh, Secretariat, Hyderabad.
3. Chief Conservator of Forests, Regional office (SZ), Ministry of Environment & Forests, 4th Floor, F-Wing, Kendriya Sadan Block, Kormangala, Bangalore – 560034.
4. Principal Conservator of Forests, Govt. of Andhra Pradesh, Aranya Bhawan, Saifabad, Hyderabad.
5. Member Secretary, Andhra Pradesh State Pollution Control Board, Paryavaran Bhawan, A-3 Industrial Estate, Sanatnagar, Hyderabad – 500038.
6. Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
7. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
8. District Collector, Khammam, Government of Andhra Pradesh.
9. IG (Wild Life), Ministry of Environment and Forests, New Delhi
10. Monitoring File 11. Guard File 12. Record File. 13. Notice Board


(Dr. Manoranjan Hota)
Director