



परिवेश
PARIVESH
(CPC GREEN)

पयविरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



75
आज़ादी का
अमृत महोत्सव



Back

View Half Yearly Compliance Report at Project Proponent

Proposal Details

Proposal No

MoEF:J-11015/162/2015-1A-II(M)

Category

Coal Mining

Name of Project

Kakatiya Khani opencast 2 (KTK OC-2) Coal mining Project

Plot / Survey/ Khasra No.**Village(s)****Sub-District(s)****State**

TELANGANA

District

JAYASHANKAR BHUPALAPALLY

MoEF File No

MoEF:J-11015/162/2015-1A-II(M)

Name of the Entity/**Corporate Office**

Shri.G.Venkateswara Reddy

Entity's PAN

*****8873F

Entity Name as per PAN

THE SINGARENI COLLIERIES COMPANY LIMITED

Entity details mentioned above is correct ?

Agree

Covering Letter

Covering Letter

Compliance Reporting Details

Reporting Year

2024

Reporting Period

01 Dec(01 Apr - 30 Sep)

Remark(if any)

Compliance of HYMR of Kakatiya Khani Opencast -2(KTK OC-2) Coal Mining Project from 1st April 2024 to 30th September 2024.

Details of Production and Project Area

Date of Commencement of Project/Activity

01-09-2017

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	668.23	668.23
Total	668.23	668.23

Land Documents

NA

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Coal	Million Tons per Annum (MTPA)	1.5	1.5	TSPCB-TECH/CFO/29/2023-TECHNICAL-TSPCB	30-11-2027	1.5
2	Coal	Million Tons per Annum (MTPA)	1.5	1.5	TSPCB-TECH/CFO/29/2023-TECHNICAL-TSPCB	30-11-2027	1.5

Conditions

Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	MINING PLAN	i) The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.	PPs Submission	The EC capacity is 1.25 MTPA normative and 1.5 MTPA peak. Production achieved is as follows: 2017-18 : 0.36 MT 2020-21 : 1.135 MT 2018-19 : 0.651 MT 2021-22 : 1.175 MT 2019-20 : 1.25 MT 2022-23 : 1.262 MT 2023-24 : 1.5 MT 2024-25 : 0.491 MT Complied 20-11-2024 Attachment:NA
2	Statutory compliance	ii) The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, Whichever is earlier.	PPs Submission	The validity of the EC is for the life of the mine. Agreed to Comply 20-11-2024 Attachment:NA
3	Human Health Environment	iii)Continuous monitoring of health particularly related to respiratory diseases to be ensured.	PPs Submission	Continuous monitoring of health is done by Periodical Medical Examination (PME) to know the health status of the employees working in the core zone. PME Details

				<p>During 2024-2025 Dept: Men on roll 279 PME Target 28 Achieved 28 Cont: Men on roll 580 I ME Achieved 152 As per the PME, so far no respiratory diseases are found. Being Complied 20-11-2024 Attachment:NA</p>
4	Statutory compliance	vi)There should be controlled blasting.	PPs Submission	<p>Controlled blasting using Non-Electric Delay shock tubes/Detonators (NONELs) is being adopted at KTKOC-2 as per the guidelines issued in DGMS permission. Being Complied 20-11-2024 Attachment:NA</p>
5	Statutory compliance	vii) OB bench will be more than 500 m away from any habitation.	PPs Submission	<p>Working OB benches/decks are more than 500m away from the habitation. Being Complied 20-11-2024 Attachment:NA</p>
6	Statutory compliance	viii) PP informed that they will acquire surface land up to 500 m from mine boundary.	PPs Submission	<p>SCCL requested to MoEF CC vide letter no. CRP/ENV/A/534, dated 04.01.2018 to amend the</p>

specific condition before the NGT case. MoEF CC subsequently issued Essential Details Sought (EDS) which states, The specific condition stipulated in the EC dated 26.10.2016 is based on your submission / commitment only. In case of concerns, the said condition would not be applicable suo moto. Further, SCCL submitted a reply to MoEF CC in online portal on the EDS along with relevant documents on 10.10.2018 and requested to amend the EC specific condition at the earliest by exempting the clause of acquiring land up to 500m from KTK OC-2 project boundary as mentioned at specific condition No 4 (A) (viii) of EC. Finally the amended EC was issued on Dt: 24.12.2018 The NGT directed the SCCL to comply the following: i) Comply condition no. (viii) Of Para 4A

				<p>of the EC dated 26.10.2016. ii) set aside the order amendment of EC 24th December 2018</p> <p>iii) No mining operations shall take place without compliance. Further SCCL appealed in Supreme court regarding the directions issued by the NGT. The Supreme court has given the judgment stating that, In view of the aforesaid the judgment of the Tribunal is set aside insofar as it pertains to condition No. (viii) Of Para 4A of the EC dated 26.10.2016. We reiterate that the mining operations conducted by SCCL shall be in accordance with the EC that has been granted on 26th October, 2016. Being Complied 20-11-2024 Attachment:NA</p>
7	MINING PLAN	ix) At mine closure all external and internal OB dumps above ground level will be filled in the mine void and brought to ground level and made suitable for agriculture.	PPs Submission	OB dumping sequence is being followed as per the approved Mining Plan and Mine Closure Plan, to ensure that

				<p>the final void filling is in accordance with the approved Mine Closure Plan. So far 22.657 Ha area was back filled below the ground level. Agreed to Comply 20-11-2024 Attachment:NA</p>
8	MISCELLANEOUS	x) Efforts shall be made to explore the availability of mechanically covered trucks.	PPs Submission	<p>All the coal transportation trucks are being covered with tarpaulins. SCCL insisting KTPP management to explore suitable type of mechanically covered trucks, through coal transport agencies. Being Complied 20-11-2024 Attachment:NA</p>
9	Statutory compliance	xi) All statutory permissions/MoU from Sate Government shall be obtained for transportation of Coal by road.	PPs Submission	<p>Coal is being delivered at pit head to KTPP of TG GENCO from the mine pit head CHP. The scope of coal transport is of KTPP by road from mine to their plant. KTPP is being transporting coal under RTA rules. Complied</p>

				20-11-2024 Attachment:NA
10	Statutory compliance	xii) Coal transportation in pit by tippers- surface to siding by tippers and siding to loading by pay loaders into rail wagons.	PPs Submission	1. Coal transportation in pit to surface CHP is being done by engaging trucks/dumpers. 2. Our major coal linkage costumer for KTKOC-2 is KTHPP ,which is with in 6 kms from the mine, hence the probability of Railway Wagon loading is mere. Being Complied 20-11-2024 Attachment:NA
11	MINING PLAN	xiii) The OB shall be completely re-handled at the end of the mining.	PPs Submission	OB dumping strategy including re-handling sequence will be followed as per the approved Mining plan and Mine closure plan. Being Complied 20-11-2024 Attachment:NA
12	WATER QUALITY MONITORING AND PRESERVATION	xiv) Garland drains around the core zone to be provided, and appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine with no alteration in their alignment.	PPs Submission	Garland drains of 7.15Km length (8-10m x2.5 m size) have been provided around the core zone. No river is flowing near or adjacent to the

				<p>mine.</p> <p>However, one seasonal nallah which was passing in the quarry area was diverted along the rise side of mine boundary for a length of 2.5 km and re-aligned with its original course at the downstream of project with adequate embankments (size 2m) provided.</p> <p>Complied</p> <p>20-11-2024</p> <p>Attachment:NA</p>
13	Corporate Environmental Responsibility	xvi) The CSR cost should be Rs 5 per tonne of coal produced which should be adjusted as per the annual inflation.	PPs Submission	<p>The CSR cost is reckoned basing on WPI from September 2016. An amount of Rs. 5, 97, 70,000/- (Five Crores Ninety Seven Lakhs and Seventy thousand only) was spent towards CSR Expenditure during 2017-18. Rs.5,00,00,000/- were allocated for CSR works for the year 2018-19. Rs.2, 37, 76,155/- are spent for CSR activity. Rs.2,85,92,000.00/- was allocated for CSR works for the year 2019-20. Rs.31,69,351.00/- was allocated for CSR works for the year 2020-21. Rs.1,10,99,480.00/- was allocated for CSR works for the</p>

			year 2021-22. Rs.22.50.000/- Rs.3,97,55,130.28 was allocated for CSR works for the year 2023-24 Rs. 1,31,87,197.00 are spent for CSR activity for the Financial year 2024-25 (up to September-24) Complied 20-11-2024 Attachment:NA	
14	Human Health Environment	xvii) Everybody in the core area should be provided with mask for protection against fugitive dust emissions.	PPs Submission	Dust masks are provided to all 284 permanent and 600 contractual employees once in 3 months. Employees working in CHP area are 170, provided with dust mask and replaced once in 30 days. Being Complied 20-11-2024 Attachment:NA
15	Human Health Environment	xviii) Dust mask to be provided to every worker in the mining area.	PPs Submission	Dust masks are provided to all the persons working in the mining area. Being Complied 20-11-2024 Attachment:NA
16	Statutory compliance	xix) The supervisory staff should be held personally responsible for ensuring compulsory wearing of dust mask in the core area.	PPs Submission	Sri,Md.Nazeer Safety Officer Sri B.Barath Kumar, HOM, Sri G.Lachulu,

				<p>HOM, Sri S. Kumara Swamy HOM and Sri K.Sudarshan HOM are ensuring that the employees working in core zone are wearing dust masks. Being Complied 20-11-2024 Attachment:NA</p>
17	Human Health Environment	xx) People working in the core area should be periodically tested for the lung diseases and the Cost to be met by PP.	PPs Submission	<p>Periodical Medical Examination (PME) is being conducted in SCCL's PME centers. PME Details During 2024-25 Dept: Men on roll 279 PME Target 28 Achieved 28 Cont: Men on roll 580 I ME Achieved 152 As per the PME, so far no respiratory diseases are found. Cost towards PME is borne by SCCL only. Being Complied 20-11-2024 Attachment:NA</p>
18	GREENBELT	xxi) The mining area should be surrounded by green belt having tree cover with thick closed canopy.	PPs Submission	<p>SCCL has taken up extensive plantation in mining area with native plant species having thick canopy for dust</p>

				<p>suppression. The details of the plantation (up to 30.09.2024)are: Year of Rising Area in Ha OB Block Green Belt Avenu (Km) 2017 00 00 00 2018 11 20 2.0 2.3 2019 21 00 00 00 2020 17.64 4.15 00 00 2021 9 0 0 0 2022 9 4 0 0 2023 19.7 - - - 2024 20 - - - Total 84.34 28.15 2.0 2.3 Being Complied 20-11-2024 Attachment:NA</p>
19	Statutory compliance	xxii) The embankment constructed along the river boundary shall be of suitable dimension sand critical patches shall be strengthened by stone pitching on the river front side and stabilized with plantation so as to with stand the peak water flow and prevent mine inundation.	PPs Submission	<p>There is no river flowing in the mine take area. Being Complied 20-11-2024 Attachment:NA</p>
20	LAND RECLAMATION	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.	PPs Submission	<p>There is no river flowing in the mine take area. Agreed to Comply 20-11-2024 Attachment:NA</p>
21	Statutory compliance	xxiv) OB shall be stacked at two earmarked external OB dumpsite(s) only. The ultimate slope of The dump shall not exceed 28 degees. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining.	PPs Submission	<p>OB dumping sequence is being followed as per approved Mining Plan. OB stacked in the earmarked</p>

		<p>Compliance status shall be submitted to the Ministry of Environment, Forests & Climate Change and its concerned Regional Office on yearly basis.</p>		<p>external dump yard is with overall slope not exceeding 28 degees. The existing reclaimed dump sites are being monitored by Area Forest dept (SCCL) and Environment Cell. The status of progressive reclamation in the mine is being submitted. Being Complied 20-11-2024 Attachment:NA</p>	
22	WATER QUALITY MONITORING AND PRESERVATION	<p>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 utilized 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 rain fall 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.</p>	PPs Submission	<p>Deck drains have been provided in a length of 4.8 Km. around 1st deck, 4.90 Km around second deck and 2.1 Km around 3rd deck to arrest the soil erosion. Garland drains with four number of settling ponds have been provided at a length of 5.10 Km around the quarry to prevent soil erosion from OB dumps. De-siltation work of deck drains and settling ponds will be taken up at periodical intervals to</p>	

				<p>prevent the soil run off. In this project underground galleries are available to store bulk water as sump and submersible pumps of 1000 GPM X 2 are in operation to deal the situation. Being Complied 20-11-2024 Attachment:NA</p>
23	WATER QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	<p>A toe wall (4800 x 4 x 1.5 m) was constructed at ground level around 1st deck. Further, construction of toe wall (4900 x 4 x 1.5m) work is under progress. Being Complied 20-11-2024 Attachment:NA</p>
24	AIR QUALITY MONITORING AND PRESERVATION	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.	PPs Submission	<p>KTK OC project Pre-weigh Bin has been working with all dust suppression arrangements, including water sprinkling systems. At crushing unit, jet water sprinklers are provided for dust suppression.</p>

The mist spray arrangement is commissioned at the CHP and the pollution levels are below the prescribed limits. After inspection of the MoEF officials, introduced the mist spray system. Thereby fugitive emissions from the crushing operations, conveyor systems, and transfer points are brought to bare minimum. All the coal transportation roads and permanent internal roads on the surface of the mine area are black topped. The monitored levels of air borne dust are within the prescribed limits only. SCCL has been requesting MoEF and CC to amend the condition of installing bag filters for the CHPs and this condition is not being imposed in the recent ECs issued for coal mines. Being
Complied
20-11-2024
Attachment:NA

25	AIR QUALITY MONITORING AND PRESERVATION	xxviii) Drills shall be wet operated.	PPs Submission	All the drills are provided with wetting drilling arrangements and are being operated continuously to arrest the generation of dust during the drilling operations. Being Complied 20-11-2024 Attachment:NA
26	GREENBELT	xxix) The PP 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.	PPs Submission	Black tapped roads have been provided and they are being maintained in good condition. Three tier green belt development works were taken up already and the details are as follows: Plantation up to 30.09.2024: Year of Rising Area in Ha OB Block Green Belt Avenue (Km) 2017 00 00 00 00 2018 11 20 2.0 2.3 2019 21 00 00 00 2020 17.64 4.15 00 00 2021 9 0 0 0 2022 9 4 0 0 2023 19.7 - - - 2024 20 - - - Total 84.34 28.15 2.0 2.3 Being

				Complied 20-11-2024 Attachment:NA
27	GREENBELT	xxx) A progressive Afforestation plan shall be implemented covering an area of 628.53 Ha at the end of mining, which includes reclaimed External OB dump area (349.51 Ha), Internal OB dump area (267,17Ha) and Green belt (11.85Ha) 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.	PPs Submission	Progressive Afforestation plan is being done as per the approved MP MCP of the project. Details of Plantation up to 30.09.2024: Year of Rising Area in Ha OB Block Green Belt Avenue (Km) 2017 12 00 00 2018 9.00 20 2.0 2019 2.30 2019 21 00 00 2020 16.00 7.00 00 00 2021 9 0 0 0 2022 0 0.4 0 0 2023 20.00 - - 2024 4.35 - - TOTAL 91.35 27.4 2.0 2.3 2024-25 Plantation in 20 Ha, and of 50,000 plants. Being Complied 20-11-2024 Attachment:NA
28	LAND RECLAMATION	xxxi) An estimated total 227.99 Mm3 Of OB will be generated during the entire life of the mine. Of which 160.82Mm3 OB will be dumped in two external OB Dumps an earmarked area covering 349.51 ha of land. 67.17 Mm3 of will be one internal OB dump in covering an area Of 267.17 ha. The maximum height of external OB dump will not exceed 90 m and that for soft OB shall not exceed 60 m. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of	PPs Submission	OB dumping sequence and the restoration and reclamation of the dumps is being done in compliance of the approved Mining Plan and Mine Closure Plan. The present status of OB management

		reclaimed dump sites shall continue till the vegetation becomes self-sustaining and compliance status shall be submitted to MOEFCC and its Regional Office on yearly basis.		is: Back filling area,(OC-1Quarry) 106.4Ha (OC-2 Quarry 3.2 Ha Quantity of OB (OC-1) 54.856 Mm3 (OC-2) 3.349 Mm3 Dump management is being monitored by the project and area level authorities. A separate audit cell has also been constituted to monitor the sequence of OB dumping and reclamation works since 2017. Half Yearly Monitoring Reports are being submitted regularly to Regional office, MoEF CC. Being Complied 20-11-2024 Attachment:NA
29	MINING PLAN	xxxii) The proponent should prepare restoration and reclamation plan for the degraded area. The land to be used in a productive and sustainable manner.	PPs Submission	The excavated area will be filled up to the maximum extent, restoration reclamation will be done by spreading top soil and Plantation as per the approved Mining Plan Mine closure Plan and EMP.

			Being Complied 20-11-2024 Attachment:NA
30	LAND RECLAMATION	xxxiii) Compensatory Ecological Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land to be carried out.	<div>PPs Submission</div> <div>Ecological Restoration of waste land has been taken up. Plantation is being done in vacant areas /waste lands which are in possession of SCCL in surrounding area of the project. Quarry area (Ha) - 276.61 and Block plantation in degraded area of about 20 Ha and planted 50,000 nos of Plants. Being Complied 20-11-2024 Attachment:NA</div>
31	MINING PLAN	xxxiv) The mining should be phased out in sustainable manner. No extra overburden dumps area permitted.	<div>PPs Submission</div> <div>The Mining operations are done as per the approved Mining plan and Mine closure Plan. Complied 20-11-2024 Attachment:NA</div>
32	WATER QUALITY MONITORING AND PRESERVATION	xxxv) No ground water shall be used for mining operations	<div>PPs Submission</div> <div>No ground water is used for mining operations. Water utilization details are shown in Part-</div>

			<p>II of the report as point no 5. Complied 20-11-2024 Attachment:NA</p>	
33	MINING PLAN	xxxvi) Of the total quarry area of 276.61 ha, the backfilled quarry area of 257.04 ha shall be reclaimed with plantation and there will be no void left at the end of the mining operations. The land after mining shall be restored for agriculture purpose.	PPs Submission	<p>The coal mining operations were commenced in the project from Sep-2017. OB dumping sequence and the restoration and reclamation of the dumps is done in compliance of the approved Mining Plan and Mine Closure Plan. Complied 20-11-2024 Attachment:NA</p>
34	WATER QUALITY MONITORING AND PRESERVATION	xxxix) Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.	PPs Submission	<p>Two Sewage Treatment Plants of 3 MLD Capacity each are operating to treat the sewage from existing colony. ETP is provided for workshop in the mine premises . - One STP is in Krishna Colony -One STP is in Subhash colony . Complied 20-11-2024 Attachment:NA</p>

35	Human Health Environment	xl) Besides carrying out regular periodic health check-up of their workers,10% of the workers identified from workforce engaged inactive mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialized agency /institution within the District/state and the results reported to this Ministry and to DGMS.	PPs Submission	Continuous monitoring of health is done by Periodical Medical Examination (PME) and complied as per the Mines Act 1952. PME Details During 2024 ,2025 Dept: Men on roll 279 PME Target 28 Achieved 28 Cont: Men on roll 580 I ME Achieved 152 As per the PME, so far no respiratory diseases are found. All the cost towards PME is being borne by SCCL only. The PME data is being reported to MoEF CC and DGMS during inspection of projects. Complied 20-11-2024 Attachment:NA
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36	Corporate Environmental Responsibility	xli) 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.	PPs Submission	Land acquisition is under process. However, schedule-II of RFCTLARR Act-2013 (R and R Policy) will be implemented for villages falling in the quarry area. Being Complied 20-11-2024 Attachment:NA
37	Statutory compliance	xlii) 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.	PPs Submission	Digital processing of the entire lease area based on satellite imagery is being done once in 3 years for monitoring land use pattern and post mining land use. Land use for core and buffer zone studies carried out during 2017, 2020 has already been submitted to SRO/RO, MoEF CC along with half yearly compliance reports and LULC of 2023 by Greencindia Consulting Private Ltd, Hyderabad. is being submitted along with this report. Copy enclosed as Annexure- IX. Complied 20-11-2024 Attachment: Click to View

38	Statutory compliance	xlili) 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.	PPs Submission	The Final Mine closure plan will be submitted before 5 years of closure of the mine as per the guidelines stipulated by MoC. Agreed to Comply 20-11-2024 Attachment:NA
39	PUBLIC HEARING	xliv) The project authorities shall in consultation with the Panchayat's of the local village sand administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	PPs Submission	Details of CSR already done KTK OC 2 Project authorities are consulting with Panchayats of local villagers and administration for implementing CSR activities. Further, 30 percent of royalty is being credited to District Mineral Foundation Trust for welfare of mining areas and affected population. DMF of Rs.4,35,92,561.00 (2015 16) Rs.7.81 Crores (2016 17) Rs,66.77 Crores (2017 18) Rs,28.61 Crores (2018 19) Rs, 7.77 Crores (2019 20) Rs 17.45 Crores (2020 21) Rs. 52.00 Crores (2021 22) Rs. 110.00 Crores (2022 23) Rs. 20.77 Crores

(2023-24) Deposited with District Collector, Jayashankar Bhupalpalli Dist. Complied 20-11-2024 Attachment:NA
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40	Statutory compliance	xlv) Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.	PPs Submission	Post Project Environmental Monitoring is being carried out through external agency M/s. Environment Protection Training and Research Institute (EPTRI), Hyderabad. A laboratory with adequate staff has been established at Ramagundam by EPTRI for analysis of critical parameters in the field. A copy of order given to M/s EPTRI for carrying out post project environmental monitoring is enclosed. Complied 20-11-2024 Attachment:NA
41	WATER QUALITY MONITORING AND PRESERVATION	xv) Mine water should be treated for discharge into the lagoon. The quality of lagoon water shall be regularly monitored and mitigation measures taken.	PPs Submission	Mine discharge water is being treated in filter bed before letting into natural stream. The quality of mine discharge

water is being regularly monitored by EPTRI, Hyderabad, a CPCB recognized and NABL accredited laboratory and the results are enclosed as Annexure-III. Complied
20-11-2024
Attachment: [Click to View](#)

42	WATER QUALITY MONITORING AND PRESERVATION	xxxvii) Regular monitoring of ground water 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-monsoon (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 to the Central Pollution Control Board quarterly within one month of monitoring.	PPs Submission	The ground water levels are being regularly monitored in 45 open wells in Bhupalpalli Area and 6 peizometers established around the opencast project. The ground water levels are being monitored 4 times in a year i.e., pre-monsoon(May), monsoon(August) , post-monsoon (November), winter(January) and the quality is being monitored once in every quarter year. The data pertaining to ground water levels and quality is being recorded and submitted to regulatory authorities. Copy enclosed as Annexure. No. VI Complied 20-11-2024 Attachment: Click to View
43	WATER QUALITY MONITORING AND PRESERVATION	xxxviii) 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) incase the village wells go dry due to dewatering of mine.	PPs Submission	10 nos. of rain water harvesting pits have been constructed at various locations of BHPL area to recharge ground water. Ten check dams were constructed in the nearby nallah for augmentation

				<p>of ground water. The list of the locations of the rain water harvesting structures is furnished Annexure-VI The excess mine discharge water of 2968 KLD after treated through the slow sand filter beds is being let out into nearby nallah for augmentation of ground water and also for agriculture use by nearby villagers. There are no incidences recorded till now of drying of wells in the surrounding villages of the mine. In case if the village wells go dry, SCCL will supply drinking water to the nearby villages. Being Complied 20-11-2024 Attachment:NA</p>
44	Corporate Environmental Responsibility	<p>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</p>	PPs Submission	<p>a) The SCCL has a well laid down Environment Policy approved by the Board of Directors. The environmental policy of SCCL is available in companys web site i.e.</p>

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.

www.scclmines.com. b) The policy has been framed along with objectives and guidelines consisting standard operating process/procedures for effective implementation of EC/FC conditions. The status of compliance of EC/FC is being appraised to SCCL Board of Directors once in three months as per Companies Act, 2013 by the project authorities. c) The SCCL has a well defined hierarchical system to deal with environmental issues and for ensuring compliance with the environmental clearance conditions. A company level environment cell with qualified personnel headed by GM (ENV.) is established to monitor and guide in implementation of the environmental safeguards. An area level environmental cell headed by qualified environmental officer is established and functioning under the control of area General Manager to monitor and guide in implementation of the environmental safeguards. Apart from this, an area level Environmental

Management Committee with multi disciplinary team is constituted under the chairmanship of SO to GM. The area level Environmental Management committee is constituted with following members.

1 SO to GM
Chairman
2 Project Officer Member
3 Area Engineer (E M)
Member
4 Area Civil Engineer
Member
5 Area Forest Officer
Member
6 Area Estates Officer
Member
7 Project Manager Member
8 Project Engineer
Member
9 Project Surveyor Member
10 Project Env.Officer Member
11 Area Env. Officer
Secretary

The minutes of the EMC meeting are enclosed as Annexure-V.

Complied
20-11-2024

Attachment: [Click to View](#)

45	Human Health Environment	IV) Under CSR (corporate social responsibility), prevention method to be taken for indoor pollution (improved / smokeless chullah).	PPs Submission	SCCL is supplying free LPG gas cylinders to SCCL employees. Coal as domestic fuel is not being used at surrounding villages/ colonies. Complied 20-11-2024 Attachment:NA
46	WATER QUALITY MONITORING AND PRESERVATION	V) Flow rate should be maintained and quality of water in the streams should be ensured by Project proponent.	PPs Submission	The flow rate and quality of the water flowing in the streams is ensured in different seasons. In the project area, a seasonal nallah is diverted along the mine boundary for a length of 2.5 Km and connected to down side main stream of the nallah, which in turn is connected to Pedda Cheruvu of Kashimpalli village. The details of quality of water at Pedda Cheruvu of Kashimpalli village are enclosed as Annexure-II. The parameters are within the prescribed limits. Being Complied 20-11-2024 Attachment: Click to View

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	Statutory compliance	i) No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forest & Climate Change.	PPs Submission	There is no change in mining technology and opencast technology (Shovel and Dumper combination) is being adopted in the project as envisaged in the approved EMP. Being Complied 20-11-2024 Attachment:NA
2	MINING PLAN	ii) No change in the calendar plan of production for quantum of mineral coal shall be made.	PPs Submission	There is no change in calendar programme of coal Production details as follows: 2017-18 : 0.36 MT 2020-21 : 1.135 MT 2018-19 : 0.651 MT 2021-22 : 1.175 MT 2019-20 : 1.25 MT 2022-23 : 1.262 MT 2023-24 : 1.5 MT 2024-25 : 0.491 MT Being Complied 20-11-2024 Attachment:NA
3	Statutory compliance	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 analyzed through a laboratory recognized under EPA Rules,1986	PPs Submission	Post project environmental monitoring work is being carried out by an external agency i.e. Environmental Protection, Training and Research Institute (EPTRI),

				Hyderabad which is recognized by CPCB , a NABL accredited lab. Being Complied 20-11-2024 Attachment:NA
4	Statutory compliance	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.	PPs Submission	Dust masks are being issued to workmen exposed to dusty environment periodically and adequate training is being imparted on safety and health aspects at the Mine Vocational Training Center (MVTC) provided in the area. Four employees are given training on safety and health aspects at the Mine Vocational Training Center (MVTC) provided in the area during last six months. 631 nos. of dust respirators are issued to workmen at regular intervals. Being Complied 20-11-2024 Attachment:NA
5	Human Health Environment	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	PPs Submission	Occupational health surveillance programme of the workers (Periodically Medical Examination (PME)) is being carried out in the well established SCCLs hospitals

should be addressed by the company while outsourcing.

to check over the health profile of the workmen and records are being maintained. Periodically Medical Examination (PME) is being done at an interval of once in five years for employees age up to 45 years, once in three years for employees age more than 45 years and eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year. 28 nos. of workmen are undergone for PME during last six months. In addition to above medical camps are being conducted every year at all SCCL areas with corporate hospital doctors ,Hyd., for health check up of SCCL employees and on medical referrals SCCLs employees are send to corporate hospitals Hyd., for treatment on need basis. Details of PME, Vocational training, dust respirators and ear plugs issued are enclosed. Target Achieved PME 28 28 IME

				(Off Loading) 152 152 VTC 34 34 Dust Mask 175 175 Ear Plugs 134 134 Being Complied 20-11-2024 Attachment:NA
6	Statutory compliance	xiii)The PP 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 issue of EC letter informing that the project has been accorded environmental clearance and a copy of the EC 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 .	PPs Submission	This condition was already complied. An advertisement was given on 10.11.2016 in Indian Express (English) and Saakshi (Telugu local language) daily news papers widely circulated around the project. Complied 20-11-2024 Attachment:NA
7	Statutory compliance	xiv)A copy of the EC letter shall be marked to concern Panchayat/Zilla 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 EC letter shall also be displayed on company's website.	PPs Submission	EC letter was submitted to Zilla Parishad, Warangal on 07.11.2016 and to Commissioner Nagara Panchayat, Bhupalpalli on 05.11.2016. MoEF:J-11015/162/2015-1A-II(M),Dated:26.10.2016 Complied 20-11-2024 Attachment:NA

8	Statutory compliance	xv)A copy of the EC 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.	PPs Submission	EC Letter was submitted to Collector Office on 05.11.2016, TSPCB Regional Office Warangal on 07.11.2016, District Industries, Warangal on 08.11.2016 for display. MoEF:J-11015/162/2015-1A-II(M) Dated:26.10.2016. Complied 20-11-2024 Attachment:NA
9	Statutory compliance	xvi) The EC letter shall be uploaded on the company's website. The compliance status of the stipulated EC 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 to, PM2.5, SO2 and NOx (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.	PPs Submission	The EC of KTK OC-2 Project is uploaded to the Companys website. Latest EC compliance report along with Post Project Environmental Monitoring data is also uploaded to SCCL website. Being Complied 20-11-2024 Attachment:NA
10	Statutory compliance	xvii) The PP shall submit six monthly compliance reports on status of compliance of the stipulated EC conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Offices of CPCB and the SPCB.	PPs Submission	The latest six monthly compliance KTK OC 2 Project report for the period ending Mar, 2024 was submitted to Director, MoEF CC, Hyderabad vide ltr no. BHP/ENV/HYMR/2024/48 dated 11.05.2024. last submission details Being Complied

11	Statutory compliance	xviii) The Regional Office of this Ministry located in the Region shall monitor compliance of the Stipulated conditions. The PP shall extend full cooperation to the office (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	PPs Submission	SCCL is extending full cooperation during inspection of projects by officials of MoEF CC and Regional Office, and providing all the information relating to compliance of EC and CFO conditions and other environmental safeguards taken up by the organization. Being Complied 20-11-2024 Attachment:NA
12	Statutory compliance	xix) The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the PP 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 MOEF&CC by e-mail.	PPs Submission	The environmental statements are being submitted to TGPCB on annual basis. Environment statement(Form-V) submitted to TSPCB vide ltr no.BHP/ENV/2024/88 Dt:28.08.2024. last submission details Being Complied 20-11-2024 Attachment:NA
13	Statutory compliance	5) The PP shall abide by all the commitments and recommendations made in the EIA/EMP Report and also that during their presentation to the EAC. The commitment made by the project Proponent to the issue raised during Public Hearing shall be	PPs Submission	The updated status of implementation of commitments made by SCCL during public Hearing is being submitted to MoEF CC along

		implemented by the proponent.		with six monthly EC compliance reports. Annexure - VA . Complied 20-11-2024 Attachment:NA
14	Statutory compliance	6) The project 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.	PPs Submission	CFE and CFO orders are obtained from TGPCB. CFE Order No: 17012506880 Date 02.02.2017 Consent Order No: 180421076674 Dated 21.03.2023 valid up to 30.11.2027. Complied 20-11-2024 Attachment:NA
15	Corporate Environmental Responsibility	7) The PP shall set up an Environment Audit cell with responsibility and accountability to ensure implementation of All the EC Conditions.	PPs Submission	An Environment Audit cell has been constituted at area level for monitoring compliance of EC conditions and advises the project authorities to take suitable measures. Complied 20-11-2024 Attachment:NA
16	Statutory compliance	8) 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 EC and attract action under the provisions of Environment (Protection) Act, 1986.	PPs Submission	SCCL is strictly complying with the conditions stipulated in the EC and submitting the compliance status to MoEF CC, Hyderabad on half yearly basis.

			Complied 20-11-2024 Attachment:NA	
17	Statutory compliance	9)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 PP shall ensure to undertake provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of ground water and surface water, and occupational and other diseases due to the mining operations.	PPs Submission	<p>Fund provision has been provided in the project for implementation of various pollution control measures envisaged in the EMP. Accordingly, SCCL is complying with the provisions of various environmental acts and taking up necessary pollution mitigation measures in the project.</p> <p>Insurance policy is in force under Public Liability Insurance Act, 1991. Public Insurance Policy is taken from National Insurance Company Ltd Public Liability Insurance Act, policy No. 550200492410000034 valid from 30.04.2024 to 29.04.2025 which will be renewed periodically. A copy enclosed as Annexure-X</p> <p>Complied 20-11-2024 Attachment: Click to View</p>
18	Statutory compliance	10)Any appeal against this EC 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.	PPs Submission	<p>No appeal was made in NGT within 30 days of issue of this EC. However, NGT case is filed on 12.04.2018. The NGT directed the SCCL to comply the following: i) Comply condition no. (viii) Of Para 4A</p>

				<p>of the EC dated 26.10.2016. ii) set aside the order amendment of EC 24th December 2018</p> <p>iii) No mining operations shall take place without compliance. Further SCCL appealed in Supreme court regarding the directions issued by the NGT. The Supreme court has given the judgment stating that, In view of the aforesaid the judgment of the Tribunal is set aside insofar as it pertains to condition No. (viii) Of Para 4A of the EC dated 26.10.2016. We reiterate that the mining operations conducted by SCCL shall be in accordance with the EC that has been granted on 26th October, 2016.</p> <p>Complied 20-11-2024 Attachment:NA</p>
19	AIR QUALITY MONITORING AND PRESERVATION	<p>iii) Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM10 to, PM2.5, SO2 and NOx 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</p>	PPs Submission	<p>The network of four ambient air quality monitoring locations has been identified in consultation with the Regional Office of TSPCB. Covering core and buffer zone of the project,</p>

State Pollution Control Board Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.

basing on meteorological parameters. Stations are as follows. 1. KTK OC-2 Project (Core Zone) 2. Pakirgadda (Buffer Zone) 3. Jengadu (Buffer Zone) 4. Gaddiganipally (Buffer Zone) 5. Kasimpalli Village (Buffer Zone) 6. Peddakuntapalli village (Buffer Zone) In addition to the above stations, CAAQMS is fixed in the core area i.e., north east side of the quarry. The monitoring data of the core and the buffer zones is enclosed. Annexure No. I As per the new guidelines, the parameters PM10, PM2.5, SO2 and NOx are being monitored once in fortnight and heavy metals such as Hg, As, Ni, Cd, Cr, etc., in particulate matter are being monitored once in six months. Annexure No. I Complied 20-11-2024 Attachment: [Click to View](#)

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AIR QUALITY MONITORING AND PRESERVATION

iv) Data on ambient air quality (PM10 to, PM2.5, SO2 and NOx) and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly

PPs Submission

Data on ambient air quality monitoring (PM10, PM2.5, SO2 and NOx as per the new

		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 recognized under the EPA rules, 1986 shall be furnished as a part of compliance report.		guidelines) is being submitted to MoEF CC, RO, Hyderabad, Central Pollution Control Board and State Pollution Control Board along with half yearly reports. Ambient air quality monitoring data is enclosed as Annexure No. I . Complied 20-11-2024 Attachment: Click to View
21	WATER QUALITY MONITORING AND PRESERVATION	vi) Industrial waste water (workshop and waste water 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.	PPs Submission	Oil and Grease trap 1820 KL capacity is provided near base workshop to treat the washing effluents of HEMM. Periodical monitoring of effluents is being carried out to ensure compliance to prescribed standards before discharging into natural water course. The effluents are conforming to the prescribed standards and monitoring report is enclosed as Annexure No. III. Complied 20-11-2024 Attachment: Click to View
22	AIR QUALITY MONITORING	vii) Vehicular emissions shall be kept under control and regularly monitored. Vehicles	PPs Submission	Maintenance of Heavy Earth

	AND PRESERVATION	used for transporting the mineral shall be covered with tarpaulins and optimally loaded.		Moving Machinery is being done as per the manufacturers schedules in order to control vehicle emissions. Vehicular emissions are being monitored on six month basis. Vehicles used for transporting the coal are being covered with tarpaulins at KTKOC CHP, and are optimally loaded. Vehicular emissions test report is enclosed as Annexure-IX. Complied 20-11-2024 Attachment: Click to View
23	Corporate Environmental Responsibility	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.	PPs Submission	A company level environment cell with qualified personnel headed by GM (ENV.) is established to monitor and guide in implementation of the environmental safeguards. An area level environmental cell headed by qualified environmental officer is established and functioning under the control of area General Manager to monitor and

guide in implementation of the environmental safeguards. Apart from this, an area level Environmental Management Committee with multi disciplinary team has been constituted under the chairmanship of SO to GM. The area level Environmental Management committee has been constituted with following members. 1 SO to GM Chairman 2 Project Officer Member 3 Area Engineer (E M) Member 4 Area Civil Engineer Member 5 Area Forest Officer Member 6 Area Estates Officer Member 7 Project Manager Member 8 Project Engineer Member 9 Project Surveyor Member 10 Project Env.Officer Member 11 Area Env. Officer Secretary Minutes of EMC meeting are enclosed as Annexure- V. Complied 20-11-2024 Attachment: [Click to View](#)

24	Noise Monitoring &	v) Adequate measures shall be taken for control of noise	PPs Submission	Adequate measures are
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Prevention

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.

being taken for control of noise levels below 85 dB (A) in the work environment. Sound proof cabins are provided in HEMM except dozers , graders where there is design constraint and these operators are being provided with ear-muffs/ear plugs. The persons engaged in noise environment such as drilling and blasting operations are being provided with earplugs 132 nos. of earplugs are issued to workmen during last six months. The periodic planned preventive maintenance, engine tuning of HEMM and other transport vehicles is being done at regular intervals as per schedules submitted by OEM to control vehicular noise. Plantation is being taken up every year as per approved EMP to attenuate noise. Noise levels monitoring data is enclosed as Annexure IV. Complied 20-11-2024 Attachment: [Click to View](#)

25	Corporate Environmental Responsibility	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.	<div>PPs Submission</div> <div>The funds earmarked for the environmental safeguards are being kept in separate account and will not be diverted for other purpose. Year wise expenditure is being reported to the Ministry and its Regional Office of MoEF CC. The environmental protection expenditure incurred in the Project is furnished as Annexure-10 Complied 20-11-2024 Attachment: Click to View</div>

Document uploaded by the PP

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)

Additional Attachment (if any)

NA

Additional Remarks (if any)

- ☒ I '[Shri.G.Venkateswara Reddy](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From RO/SRO

