

**HALF YEARLY ENVIRONMENTAL MONITORING REPORT
APRIL-2023 TO SEPTEMBER-2023
KASIPET No.2 INCLINE
MANDAMARRI AREA**

Submitted to

**Ministry of Environment, Forests
&
Climate Change
Government of India**

Submitted by



**THE SINGARENI COLLIERIES COMPANY LIMITED
(A Govt. Company)
HALF YEARLY ENVIRONMENTAL MONITORING REPORT
MANDAMARRI AREA**

Kasipet-2 Incline HYMR Report from April-2023 to September-2023



The Singareni Collieries Company Limited
(A Govt Company)
Mandamarri Area

Ref: No: MMR/ENV/R/003/23/ 223

Date: 24.11.2023

To
THE DIRECTOR/Scientist 'F'
Integrated Regional Office, Hyderabad,
Ministry of Environment, Forest and Climate Change,
Aranya Bhavan, 3rd floor, Saifabad,
Hyderabad- 500004
Telangana State.

Respected Sir,

Sub: Half yearly Environmental Monitoring report in respect of
"Kasipet-2 Underground Coal mining Project" of the
Singareni Collieries Company Limited for the period
April, 2023 to September, 2023 -reg.

Ref: MoEF (GoI), New Delhi No, J-11015/291/2011-IA-II(M), Dated:
11th May 21015.

Reference to the above, the status of implementation of Environmental
clearance conditions vis-à-vis Project progress for the period from April, 2023 to
September, 2023 in respect of "Kasipet-2 Underground Coal mining Project" of
the Singareni Collieries Company Limited, Mandamarri (PO), Mancherial -(Dist),
Telangana- (State) is being furnished for your kind perusal.

Thanking You,

Yours faithfully,

General Manager
Mandamarri Area
The S.C.Co.Ltd.

General Manager
The Singareni Collieries Co. Ltd.
MANDAMARRI AREA
PO: KALYANI KHANI- 504 231.
Mancherial (Dist), Telangana.

Encl: Half Yearly compliance report of Kasipet-2
Underground Coal mining Project

Cc: EE, TSPCB, RO, Nizamabad
GM(Env), Corp,
Agent, KK Group of Mines

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THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)
MANDAMARRI AREA

PART-1

**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS
FROM APRIL-2023 TO SEPTEMBER-2023**

A. SALIENT FEATURES OF THE PROJECT:

1	Name of the Project	:	Kasipet-2 Incline Underground Coal Mining
2	Organization	:	The Singareni Collieries Company Limited
3	Coalfield	:	Godavari Valley Coal Field
4	Type of Mine	:	Underground
5	Technology	:	Board & pillar with SDLs
6	Environmental Clearance	:	
	A	Letter No & date	: No: J-11015/291/2011-IA-II(M), Dt:11-05-2015.
	B	Sanctioned capacity	: 0.47 MTPA
	C	Mining Lease Area	: 206 Ha
	D	Mine Block area (surface)	: 198.80 Ha
	E	Date of Public Hearing	: 06-02-2013
7	Location of the Project	:	
	A	Village	: Kankalapur
	B	Tehasil	: Kasipet Mandal
	C	District	: Mancherial
	D	State	: Telangana
	E	Latitude	: North : 19 ⁰ 02' 22" To 19 ⁰ 03' 48"
	F	Longitude	: East : 79 ⁰ 25' 21" TO 79 ⁰ 26' 16"
	G	Topo Sheet	: 56 M /8
	H	Nearest railway station	: Bellampalli
	I	Nearest Airport	: Hyderabad
	J	Nearest town	: Bellampalli
8	Address for Correspondence	:	
	A	Name	: V.RAMA DASU
	B	Designation	: AGENT
	C	Address	: THE AGENT, KK GROUP; THE SCCo. LTD.,
	D	Pin Code	: 504 251
	F	E-mail ID	: agt_kk1_mmr@scclmines.com
	G	Telephone No.	: 9491144627
	H	Fax No.	: -
9	Life of the Project	:	
	A	Date of Opening	: 25-04-2016
	B	Total Life of the project as per EMP	: 21 Years
	C	Balance Life	: 16 Years
10	Seams	:	
	A	Total Seams Present	: IA, I, II, IIIA, III, IV (T), IV(M) & IV (B)
	B	Seams being worked	: III

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

11	Depth		
	A	Minimum Depth (m)	: 25
	B	Maximum Depth (m)	: 353
	C	Present working depth (m)	: 205
12	Reserves		
	A	Total Geological Reserves	: 19.79 MT
	B	Total Extractable Reserves	: 8.454MT
	C	Reserves already Extracted	: 272854 T (0.273 MT) As on 30.09.2023
	D	Balance Reserves	: 8.181 MT
	E	Coal production during last six months	: 47819 T (0.0478 MT)
13	Land Requirement		
	A	Total Requirement (Mine Take Area)	198.80 ha
	B	Forest land Involved	NIL
	C	Non-forestland	198.80 ha
	D	Land acquired so far	33.08 ha
14	Statutory Clearances		
	A	Ground Water Clearance	: Lr.No.634/T/2012, Dt:5.11.2013 As per new guide lines issued in 2020 by CGWA for obtaining ground water clearance, SCCL applied for ground water clearance vided letter no.MMR/ENV/G-5/2023/91, dated: 30.10.2022, issue of GWC is awaited.
	B	Consent for Establishment	: No.03/TSPCB/CFE/RO-NZM/HO/2015/692, Dt:04.11.2015
	C	Consent for Operation	: Consent order No:210523331313,Dt:06.11.2021, valid up to 30.09.2026.
	D	Forest Clearance	: No Forest land is involved
	E	Mining Lease	: Mining lease granted Kasipet North Extension Mining Lease vide G.O. Ms No.282, dated 20.10.2008 for a period of 30 years.
	F	Others (Specify)	: --
15	R & R Involved		: NIL

Present Status of the mine and mine workings in brief:-

Only No. 3 Seam is presently working. 3 SDLs are working in this mine, which are deployed at 12LN/3D, 19LS/11XD, MID/14L, 17L/11XD Presently, 3 seam workings are at 205m depth and proposed to extract 3 seam up to 353m depth with SDL technology.


Part – 1**Status of Implementation of MoEF conditions as on 30-09-2023****A. Specific Conditions**


Contd. No.	Condition	Compliance Status																										
i.	The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.	<p>Being complied. Production of coal started from this mine from January, 2019 onwards. Production of coal:</p> <table border="1"> <thead> <tr> <th rowspan="2">Sl. No</th> <th rowspan="2">Year</th> <th colspan="2">Coal (in MTPA)</th> </tr> <tr> <th>As per EC</th> <th>Actual</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2018-19</td> <td>0.47</td> <td>0.000791</td> </tr> <tr> <td>2</td> <td>2019-20</td> <td>0.47</td> <td>0.042699</td> </tr> <tr> <td>3</td> <td>2020-21</td> <td>0.47</td> <td>0.048383</td> </tr> <tr> <td>4</td> <td>2021-22</td> <td>0.47</td> <td>0.067</td> </tr> <tr> <td>5</td> <td>2022-23(Up to Sept 2023)</td> <td>0.47</td> <td>0.0478</td> </tr> </tbody> </table>	Sl. No	Year	Coal (in MTPA)		As per EC	Actual	1	2018-19	0.47	0.000791	2	2019-20	0.47	0.042699	3	2020-21	0.47	0.048383	4	2021-22	0.47	0.067	5	2022-23(Up to Sept 2023)	0.47	0.0478
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ii.	The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.	<p>Agreed 21 years</p>																										
iii.	All safety measures shall be taken as per Coal Mining Regulation Act, 1957 & related Circulars.	<p>Being complied. All safety measures are being implementing as per revised Coal Mining Regulations-2017 and Mines Act and related circulars from DGMS, Dhanbad.</p>																										
iv.	Social audit may be carried out and the results be published in the website of the Company.	<p>Being complied. For conducting a third party social audit / socio economic survey work is awarded to Center For Good Governance Director General (CGG), Hyderabad (A Govt. agency) for monitoring the implementation of R&R & CSR activities to comply EC conditions. The socio economic survey was conducted in the year 2022-23. The results will be published in the company web site.</p>																										
v.	Stowing of mine will be done from the crushed OBD.	At present only development work has been carrying. The Crushed OBD will be used during the stowing operations																										
vi.	A detailed action plan for the CSR and for the assurance given during the Public Hearing be submitted to the MoEF for record.	<p>Complied. The detailed action plan for the CSR and for the assurance given during the Public Hearing was submitted on 29.11.2019 to the MoEF Chennai.</p>																										
vii.	The CSR cost should be Rs 5 per Tonnes of Coal produced	The CSR cost was Calculating at the rate of Rs 5 per Tonne of coal produced and																										

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Contd. No.	Condition	Compliance Status
	which should be adjusted as per the annual inflation.	adjusting as per the annual inflation
viii.	Coal transportation in pit from underground to surface through conveyors. Surface to Siding Through covered trucks and loading at siding through covered trucks to the ISP by trucks by road.	As the mine is new, presently coal is transporting from Mine to CHP through covered trucks.
ix.	The production shall be within the same Mining Lease area.	The production is achieving only within the same mining lease area.
x.	A separate team for subsidence monitoring and surface mitigation measures be constituted and continuous monitoring and mitigation measures be carried out.	At present, only development activities are going on and it will be Complied during the depillaring operations.
xi.	Regular monitoring of subsidence movement on the surface over and around the working area and 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 movement, appropriate effective corrective measures shall be taken to avoid loss of life and material. Cracks shall be effectively plugged with ballast and clay soil/suitable material.	At present, only development activities are going on and it will be complied during the depillaring operations.
xii.	If subsidence is found exceeding the permitted limits, then the landowners shall be adequately compensated with mutual agreement of the landowners.	At present, only development activities are going on, it will be Complied during the depillaring operations.
xiii.	Mining shall be carried out as per statuette at a safe distance from river/nallah following within adjacent to the lease boundary at the time of depillaring, protective bunds and garland drains shall be provided so that no water from the surface enters the subsidence area and the shaft.	At present, only development activities are going on, it will be complied during the depillaring operations.
xiv.	Sufficient coal pillars shall be left unextracted around the air shaft (within the subsidence influence area) to protect from	Sufficient coal pillars were left around the Air shaft within the subsidence influence area to protect the Air shaft.

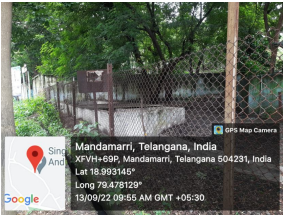

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Contd. No.	Condition	Compliance Status
	any damage from subsidence, if any.	
xv.	Solid barriers shall be left below the roads falling within the blocks to avoid any damage to the roads.	Planning is done in such a manner to comply the said condition while workings were in progress.
xvi.	Diversion of Land shall be done with approval of the Competent Authorities.	Diversion of Land will be done if required, after the approval of the Competent Authorities.
xvii.	Coal Extraction shall be optimized in areas where agricultural production is continuing. Some pillars shall be left below the agricultural land. No depillaring & coal extraction should be carried out below habitation, H.T. Lines & beneath road, water bodies, railway track.	At present only development activities are going on, it will be Complied during the depillaring operations.
xviii.	The mined out land should be used for agriculture purpose.	After complete extraction of the coal, the mined out land will be utilized for the Agriculture purpose only.
xix.	Safety measures and health issues need to be addressed for workers and surrounding villagers.	Being complied. Safety measures and health awareness classes is being taking regularly.
xx.	Proponent shall implement all the related safety measures with safety equipments.	Being complied. Implementing strictly all the related safety measures with safety equipments.
xxi.	At the time of establishing the CHP, it is proposed to establish mist spray arrangements and also enclosing the ground level bunkers up to the level of gantry.	Being complied. Centralized CHP is established at Ramakrishnapur to cater the needs of the area. Mist spray and dry fog system and mobile water sprinkling tanker are being used for sprinkling in dust areas and unpaved roads and permanent internal roads were black topped and water spraying arrangements were made for controlling fugitive dust emissions.  WATER SPRINKLING SYSTEMS AT CENTRALIZED CHP

Contd. No.	Condition	Compliance Status
xxii.	An afforestation plan to be prepared for implementation after stabilization of subsidence.	<p>Being complied.</p> <p>A progressive afforestation plan has been prepared as envisaged in the EIA/EMP. The Company has separate Forestry Department to implement afforestation plan into the action.</p> <p>Plantation plan was enclosed as Annexure-I</p>
xxiii.	Water spraying arrangements at loading points and mist spray arrangements are to be provided.	<p>Being complied.</p> <p>Preparatory works has been carrying for establishing water spraying and mist spray arrangements.</p>
xxiv.	No additional land, manpower and equipment and water shall be used for the expansion project.	<p>Being complied.</p> <p>Additional land, manpower and equipment and water will not be used for the expansion project.</p>
xxv.	Mine closures activities include sealing of incline mouth dismantling of haulage system, clearing and afforestation of coal stock area, plantation on barren land and old abandoned mine.	<p>Mine closure activities, such as sealing of incline mouths after dismantling of haulage systems, afforestation of coal stock area and plantation on barren land and old abandoned mine will be compiled at the time of final mine closure.</p>
xxvi.	3-tier plantation should be developed 2 km stretch of road from the mine using native species	<p>3 tier plantation will be developed. At present both sides of the road single row of plantation has been done.</p> 
xxvii.	Garland drains (size, gradient and length) around the safety areas such as mine shaft and low lying areas 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 sites. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.	<p>Being complied.</p> <p>The mine openings such as Main incline, Manway and Airshaft were designed minimum 3.40m above the HFL of the area. The sumps are designed keeping the highest seepage calculations and retention time to settle the silt material.</p>

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Contd. No.	Condition	Compliance Status
xxviii.	Water sprinkling system shall be provided to check fugitive emissions from loading operations, conveyor system, haulage roads, transfer points, etc. Major approach roads shall be black topped and properly maintained.	<p>Being complied.</p> <p>As the mine is new, preparatory works has been carrying for establishing water spraying and mist spray arrangements.</p> <p>Coal transportation roads and permanent internal roads were black topped and water spraying arrangements were made for controlling fugitive dust emissions.</p>
xxix.	A progressive afforestation plan shall be prepared and implemented over the mine lease area acquired and shall include areas under green belt development, areas along roads, infrastructure, along ML boundary and township etc., by planting native species in consultation with the local DFO/Agriculture Department.	<p>Being complied.</p> <p>A progressive afforestation plan has been prepared as envisaged in the EIA/EMP. The Company has separate Forestry department to implement afforestation plan into the action.</p>
xxx.	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-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.	<p>Being complied.</p> <p>Regular monitoring Peizometric and phreatic wells for ground water levels is being carried out in the surrounding villages. Data thus collected is submitted to the Ministry of Environment, Forests & Climate Change and to the Central Pollution Control Board.</p> <p>Ground water quality and ground water levels are enclosed in Annexure-II & Annexure-III respectively.</p> 
xxxi.	Acid Water Treatment Plant, volume of water to be treated and disposal of brine should be provided.	No presence of Acid water in this mine.
xxxii.	High root density tree species shall be selected and planted over areas likely to be affected by subsidence.	<p>Being complied.</p> <p>High root density tree species were selecting and planting over areas likely to be affected by subsidence.</p>
xxxiii.	Monitoring of drinking water should be carried out regularly.	<p>Being complied.</p>

Contd. No.	Condition	Compliance Status
		Monitoring of drinking water is being carrying out regularly.
xxxiv.	Sewage treatment plant shall be installed in the township. ETP shall also be provided for treating workshop and CHP effluents.	<p>Complied.</p> <p>Constructed 2 nos of Sewage Treatment Plants with capacity of 100 KLD each at Pranahitha Colony & Nagarjuna colony of Mandamarri area. ETP is provided for the Area workshop.</p> <p>Photographs showing the ETP at workshop and STP at Pranahitha colony are furnished below:</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">ETP at Workshop STP Pranahitha colony</p>
xxxv.	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 MoEF and its Regional office at Bangalore.	<p>Being complied.</p> <p>Satellite data based land use/land cover studies for coal mining projects was carried by off-loading agency M/s Geosys Enterprise Solutions Pvt.Ltd, Hyderabad in the year 2019 and the reports were submitted to the MoEF and its Regional office at Chennai with reference letter no: MMR/ENV/G6/2020/56, Dated: 27.05.2020.</p> <p>Land use & Land cover study report was enclosed as Annexure-IV</p>
xxxvi.	If the water quality parameters such as F, pH, heavy metals, etc. exceed the prescribed limits, suitable measures by the proponent be taken to ensure that the local communities are provided alternate source of water for their livelihood	<p>Will be complied.</p> <p>suitable measures will be taken to ensure that the local communities are provided alternate source of water for their livelihood, If the water quality parameters such as F, pH, heavy metals, etc. exceed the prescribed limits</p>
xxxvii.	Medical camps should be organized in the area for regular check-up of workers/villagers/population. Detailed prevalent disease pattern in the area should be documented and details of medical facilities provided for the same be made available to the MoEF.	<p>Being complied.</p> <p>Medical camps are being organized for regular check-up of workers/villagers/population. Detailed prevalent disease pattern in the area are documented and details of medical facilities provided for the same be made available to the MoEF.</p>

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Contd. No.	Condition	Compliance Status			
		Medical camps/ Programmes	No of programmes	No of Beneficiaries	
		Medical Camps	2	1300	1300
		Mobile Medical Services	1	100	100
		School Health Programmes	7	750	750
		Health Awareness Programmes	15	1600	1600
xxxviii.	Mine discharge water outside the ML shall be monitored, particularly for TDS and treated to conform to prescribed levels before discharge into the natural environment.	<p>Being complied.</p> <p>Mine discharge water outside the ML is being monitored by EPTRI, Hyderabad and also by TSPCB, Nizamabad, and the results are within the prescribed levels.</p>			
xxxix.	The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource, in case water table shows a declining trend. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	<p>Being complied.</p> <p>The mine discharge water is being diverted to nearby nallahs i.e., Seasonal nallahs for augmentation of ground water and also agriculture purpose of the nearby agricultural fields.</p>			
xl.	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 agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.	<p>Being complied.</p> <p>During six months period from APRIL-2023 to SEPTEMBER-2023,56 no's of employees have undergone periodical health checkup for occupational diseases like hearing impairment, pneumoconiosis etc and the results thereof are being reported to DGMS, Dhanbad to fulfill one of the statutory compliances..</p>			
xli.	The mining in the existing mines should be phased out after expiry of the current mining lease and after reclamation of mined over area. The operating mines may be analysed and monitored for compliance of conditions, bearing with movement of wildlife and until such time they are	<p>Will be complied.</p> <p>The mining in the existing mines will be phased out after expiry of the current mining lease and after reclamation of mined over area.</p> <p>The operating mines will be analysed and will be monitored for compliance of conditions, bearing with movement of</p>			

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Contd. No.	Condition	Compliance Status
	closed/phased out.	wildlife and until such time they are closed/phased out.
xlii.	Project specific CSR for an amount of Rs5/Tonne of coal production, as adjusted as per the annual inflation, should be provided for the CSR activities undertaken and the progress made thereon shall be uploaded annually on the company website. Monitoring of the impacts of activities under CSR shall be carried out periodically.	<p>Being complied.</p> <p>Project specific CSR, calculated at the rate of Rs5/ton of coal production and it is adjusted as per annual inflation and providing for CSR activities only.</p> <p>The CSR details were uploading annually in the company website. Monitoring of CSR activities has been carrying regularly.</p> <p>Annexure-V.</p>
xliii.	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forests & Climate Change 5 years in advance of final mine closure for approval.	<p>A progressive MP & Mine Closure Plan along with the corpus fund details as approved by MoC Vide Lt. No. 13016/12/2006-CA-II/Pt.II dt 27.11. 2014.</p> <p>Amount deposited in ESCROW account up to 31.03.2023 is Rs. 81,30,000, balance amount in ESCROW account till now is Rs. 90,46,173.</p> <p>A copy of the ESCROW agreement bank statement showing amount in the ESCROW account is furnished in Annexure-VI.</p> <p>The Final Mine Closure Plan will be submitted after approval by MoC five years before the closure of the mine.</p>
xliv.	<p>Corporate Environment Responsibility:</p> <p>The Company shall have a well laid down Environment Policy approved by the Board of Directors.</p>	<p>Complied.</p> <p>Company was laid a well Environment Policy and approved by the Board of Directors.</p> <p>Environment policy was enclosed as Annexure-VII.</p>
xlv.	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	<p>The Environment Policy of SCCL has prescribed in detail all standard operating process/procedures to bring into focus on any infringements/ deviation/violation of the environmental or forest norms /conditions if any.</p> <p>Approved Environment Policy date:11.11.2011.</p>
xlvi.	a) 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.	<p>Being complied.</p> <p>Environmental policy of SCCL and Objectives of Environmental Policy have been approved by Board of Directors in its meeting held on 11.11.2011.</p> <p>For effective implementation of environmental</p>

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Contd. No.	Condition	Compliance Status
		<p>policy and its objectives, guidelines have been framed in different facets of environmental management for bringing uniformity in planning, execution and monitoring systems thereby ensuring environmentally sustainable coal mining operations.</p> <p>The Environmental Policy, objectives and guidelines were circulated to all the mines, departments and other units for implementation. Also, necessary arrangements were made for display of the same at the conspicuous places for bringing awareness among the employees of SCCL.</p> <p>Standard operating procedures are in place for bringing out deviations/ violations of environmental or forest norms/conditions and hierarchical system of the company to deal with environmental issues and for ensuring compliance with EC conditions.</p>
xlvi.	b)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.	The company has, a well laid down system of reporting of non-compliances/violations of environmental norms, at different levels of the company.

B. GENERAL CONDITIONS

Cond. No.	Condition	Compliance Status
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forest & Climate Change.	<p>Being complied.</p> <p>There is no change in mining technology and scope of working. Any change in mining technology and scope of working will be done after getting prior approval from MoEF & CC only.</p>
ii.	No change in the calendar plan of production for quantum of mineral coal shall be made.	<p>Being complied.</p> <p>There is no change in the calendar programme of coal production.</p>
iii.	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM ₁₀ , PM _{2.5} , SO ₂ 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.	<p>Being complied.</p> <p>Four ambient air quality monitoring stations namely Kasipet-2 pit office as core zone, and peddanapalli village, Gundlapadu village and Kankalapur village as buffer zone are established for monitoring the PM₁₀, PM_{2.5}, SO₂ & NO_x. Data of the Ambient Air Quality on the above parameters are being submitted regularly to the Regional Office, Telangana State Pollution Control Board, Nizamabad and also MoEF&CC.</p> <p>The monitoring is being carried out regularly by the external agency i.e. "Environmental Protection Training and Research Institute" (EPTRI), Hyderabad which has a CPCB recognized & a NABL accredited lab.</p>
iv.	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ 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.	<p>Being complied.</p> <p>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 is being regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board once in six months along with half yearly reports.</p> <p>The SCCL entrusted the post project environmental monitoring work in all the mining areas to EPTRI, a CPCB recognized and NABL accredited laboratory.</p> <p>EPTRI is periodically participating in the proficiency testing conducted by CPCB and their performance in such tests is being verified to ensure quality of work.</p>

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Cond. No.	Condition	Compliance Status
		The ambient air quality & heavy metals monitoring data are enclosed as Annexure-VII
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.	<p>Being complied.</p> <p>Planned preventive maintenance of the machineries & vehicles is being carried out, to control the vehicular noise.</p> <p>Ear plugs have been provided to the workmen where, they are likely to be exposed to noisy work environment.</p>
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 19 th May 1993 and 31 st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.	<p>Being complied.</p> <p>Area work shop was established and ETP is provided for the same. Oil & Grease is being separated before discharge of work shop effluents.</p>
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.	<p>Being complied.</p> <p>All the vehicular emissions will be kept under control and regularly monitored. Vehicles used for transportation of the mineral will be covered with tarpaulins and optimally loaded.</p>
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.	<p>Being complied.</p> <p>The post project env. Monitoring stations are identified in consultation with Regional Office, Telangana State Pollution Control Board, Nizamabad based on the meteorological data, topographical features and environmentally and ecologically sensitive targets.</p> <p>Post project environmental monitoring work is being carried out by an external agency, i.e. "Environmental Protection Training and Research Institute" (EPTRI), Hyderabad which has a CPCB recognized & NABL accredited lab (recognized under EPA Rules, 1986).</p>
ix.	Personnel working in	Being complied.

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Cond. No.	Condition	Compliance Status
	<p>dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.</p>	<p>Personal working in dusty areas is being provided with dust masks. Training and information on safety and health aspects are being given through internal safety organization and Mine Vocational Training Centers.</p>
<p>x.</p>	<p>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.</p>	<p>Being complied.</p> <p>The SCCL has well-established health centres (area hospitals) with qualified doctors & with all facilities as per NIOH, Ahmadabad (occupational health specialist) in each area for monitoring and identification of occupational diseases.</p> <p>Occupational health surveillance programme of the workers is being carried out to check the health profile of the workmen i.e. for the lung diseases, hearing impairment, eye testing, heart functioning, hypertension, diabetes, chest X-Ray, complete blood and urine picture, etc., and records are being maintained.</p> <p>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.</p> <p>In addition to above medical camps are being conducted at regular intervals at all SCCL areas with corporate hospital doctors, Hyd., for health check up of SCCL' employees. On medical referrals also SCCL's employees being sent to corporate hospitals, Hyd., for treatment on need basis.</p> <p>The health and safety issues of the outsourced manpower are being addressed by the company while awarding the work to the contractor and compliance status of terms & conditions of the work order is being monitored regularly by project authority.</p>

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Cond. No.	Condition	Compliance Status																																							
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.	<p>Complied.</p> <p>A company level environment cell with qualified personnel headed by General Manager (Environment) who is reportable to the Director of the Company is established to monitor and guide in implementation of the environmental safeguards.</p> <p>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.</p> <p>Apart from this, a unit level Environmental Management Committee with multidisciplinary team has been constituted under the chairmanship of SO to GM. The committee has been constituted with following members.</p> <table border="1" data-bbox="803 846 1419 1318"> <tbody> <tr> <td>1.</td> <td>SO to General Manager</td> <td>Chairman</td> </tr> <tr> <td>2.</td> <td>Project Officer</td> <td>Member</td> </tr> <tr> <td>3.</td> <td>Area Engineer (E&M)</td> <td>Member</td> </tr> <tr> <td>4.</td> <td>Area Civil Engineer</td> <td>Member</td> </tr> <tr> <td>5.</td> <td>Area Forest Officer</td> <td>Member</td> </tr> <tr> <td>6.</td> <td>Area Estates Officer</td> <td>Member</td> </tr> <tr> <td>7.</td> <td>Project Manager</td> <td>Member</td> </tr> <tr> <td>8.</td> <td>Project Engineer</td> <td>Member</td> </tr> <tr> <td>9.</td> <td>Project Surveyor</td> <td>Member</td> </tr> <tr> <td>10.</td> <td>Project Env. Officer</td> <td>Member</td> </tr> <tr> <td>11.</td> <td>Area Env. Officer</td> <td>Secretary</td> </tr> <tr> <td>12.</td> <td>Sr. Hydro Geologist</td> <td>Member</td> </tr> <tr> <td>13.</td> <td>Area Survey Officer</td> <td>Member</td> </tr> </tbody> </table>	1.	SO to General Manager	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	12.	Sr. Hydro Geologist	Member	13.	Area Survey Officer	Member
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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.	<p>Being complied.</p> <p>As per the progress of the project construction activities etc., a separate account is being maintained for the funds earmarked for environmental protection measures and year wise expenditure is being reported to the Ministry and its regional office at Chennai.</p> <p>The details are furnished in the Annexure-VIII</p>																																							
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	<p>Complied.</p> <p>It was advertised in two NEWS papers i.e., The Hindu and Sakshi on 28.05.2015.</p>																																							

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Cond. No.	Condition	Compliance Status
	<p>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, Forest & Climate Change at http://envfor.nic.in.</p>	<p>A copy of EC letter was marked on to the member secretary, TSPCB, Hyd.</p>
xiv.	<p>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.</p>	<p>Complied.</p> <p>A copy of the environmental clearance letter was marked to Kanklapur grampanchayathi.</p> <p>A Copy of EC letter was displayed on company's website i.e. www.scclmines.com</p>
xv.	<p>A copy of the environmental clearance letter 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.</p>	<p>Complied.</p> <p>A copy of the environmental clearance letter was displayed on the website of the concerned State Pollution Control Board.</p> <p>The EC letter was also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.</p>
xvi.	<p>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</p>	<p>Being complied.</p> <p>A Copy of EC letter was displayed on company's website i.e. www.scclmines.com</p> <p>The compliance status of the stipulated environmental clearance conditions are being 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.</p>

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Cond. No.	Condition	Compliance Status
	<p>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.</p>	<p>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 are being displayed at the entrance of the project premises and mine office and in corporate office and on company's website www.scclmines.com</p>
xvii.	<p>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 Offices of CPCB and the SPCB.</p>	<p>Being complied.</p> <p>The updated HYMR status of compliance of the stipulated environmental clearance conditions is being submitted (both in hard copy and in e-mail) once in every 6 months to the Regional Office of the Ministry, respective Zonal Offices of CPCB and the TSPCB, hyd.</p>
xviii.	<p>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,</p>	<p>Being complied.</p> <p>SCCL is extending full cooperation during inspection of projects by officials of MoEF&CC, Regional Office and providing all the information relating to compliance of EC and CFO conditions and other environmental safeguards taken up by the organization.</p>
xix.	<p>The Environmental statement for each financial year ending 31 March in Form- 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</p>	<p>Being complied.</p> <p>The environmental statement for the financial year 2022-23 was submitted vide Ir No: MMR/ENV/R/001/2023/165, Date: 29.09.2023 to the Member Secretary, TSPCB, Hyderabad and to the EE, TSPCB, Regional office, Nizamabad.</p>

Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Cond. No.	Condition	Compliance Status															
	conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.																
4	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	All commitments and recommendations made in the EIA / EMP report have been complied with.															
5	The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent.	The issues raised during the Public Hearing being implementing.															
6	The Proponent is required to obtain all necessary clearance/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.	<p>The project expansion operations started after obtaining all necessary clearances /approvals. CFE Order No. No.03/TSPCB/CFE/RO-NZM/HO/2015/692, Dt:04.11.2015 & Consent Order No:210523331313, Dt:06.11.2021, valid up to 30.09.2026.</p> <p>CFE copy was enclosed as Annexure-IX.</p> <p>If any further conditions are stipulated by the ministry or by any other competent authority for environmental protection, the same will be obeyed & complied.</p>															
7	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	If any further conditions if any stipulates by the ministry or any other competent authority for environmental protection, the same will be obeyed & complied.															
8	The Proponent shall setup an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC conditions.	<p>An area level environment audit cell is setup with the following members under the chairmanship of SO to GM of area.</p> <table border="1" data-bbox="743 1459 1323 1654"> <thead> <tr> <th>S.No</th> <th>Designation</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SO to GM</td> <td>Chairman</td> </tr> <tr> <td>2</td> <td>Area Engineer (E&M)</td> <td>member</td> </tr> <tr> <td>3</td> <td>DGM(Civil)</td> <td>member</td> </tr> <tr> <td>4</td> <td>Area Env. officer</td> <td>member</td> </tr> </tbody> </table> <p>The above audit cell is conducting meeting once in a month and auditing the condition wise compliance status of all the EC conditions. The above audit committees prepare an env. Audit report and advise project authority to initiate action for compliance of condition(s) of the EC after conducting meeting.</p>	S.No	Designation		1	SO to GM	Chairman	2	Area Engineer (E&M)	member	3	DGM(Civil)	member	4	Area Env. officer	member
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Kasipet-2 Incline HYMR Report from April-2023 to September-2023

Cond. No.	Condition	Compliance Status
9	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.	Agreed to comply.
10	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 ground water and surface water, and occupational and other diseases due to the mining operations.	<p>CFE Order No. No.03/TSPCB/CFE/RO-NZM/HO/2015/692, Dt:04.11.2015 & Consent Order No:210523331313, Dt:06.11.2021, valid up to 30.09.2026.</p> <p>CFO order copy was enclosed as Annexure-X.</p> <p>PLI policy is being taken every year. The latest PLI policy was taken from The New India Assurance Company bearing no. 550200492210000013, dt. 30.04.2023 and is valid up to 29.04.2024.</p> <p>PLI policy copy was enclosed as Annexure-XI.</p> <p>All measures are being taken to avoid soil contamination, contamination of ground water, surface water, and occupational and other diseases due to the mining operations.</p>
11	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.	Agreed.

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MoEF & CC O.M.No.22-34/2018-IA.III, dated:16.01.2020.

Sl No	Condition	Compliance status
6	“The mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.”	Will be Complied At the end of mining operations, the mining areas and other areas which were disturbed due to mining will be regrass and restored to the land to a condition which is fit for growth of fodder, flora, fauna etc.

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