



**The Singareni Collieries Company Limited
(A Government Company)
Environment Department
Ramagundam-III Area.**

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Ref.No.RG-III/ENV/3/2023/118

Dt.28.11.2023.

To
**THE DIRECTOR,
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (MoEF&CC),
INTEGRATED REGIONAL OFFICE,
ARANYA BHAVAN, 3rd FLOOR, SAIFABAD,
HYDERABAD-500018.**

Dear Sir,

Sub: Half yearly Environmental Monitoring Report of Ramagundam Opencast-I
Coal Mine Project Expansion Phase-II for the period from April 2023 to
September 2023 – Reg.
Ref: - F.No.23-71/2018-IA(III)], Dt:16.01.2023.

With reference to the above subject, please find enclosed here with the Half Yearly Environmental Monitoring Report (Hard and Soft copies) of Ramagundam Opencast-I Coal Mine Project Expansion Phase-II for the period from April 2023 to September 2023 for your kind perusal.

The report consists of part-I, which indicates the status of the implementation of environmental clearance conditions, and part-II indicates various environment control measures being taken.

Thanking you,

Yours faithfully,


28/11/23
**General Manager,
Ramagundam-III Area.**

Enclosed: A/a with soft copy
CC: EE, TSPCB.RO, NTPC, RGM.
GM (ENV), Kgm.
PO OC-I
M.F

PART-I

Ramagundam Opencast Mine-I expansion project phase-II Environmental clearance conditions as on 30.09.2023

A. SALIENT FEATURES OF THE PROJECT:

1	Name of the Project	:	Ramagundam Opencast-I Coal Mine expansion Project Phase-II (RGOC-I Exp Ph-II)
2	Organization	:	Singareni Collieries Company Limited
3	Coalfield	:	South Godavari Mining lease & South Godavari Additional Mining lease
4	Type of Mine	:	Opencast
5	Technology	:	Shovel dumper combination
6	Environmental Clearance	:	
	A. Letter No & date		F.No.23-71/2018-IA(III)],Dt:16.01.2023.
	B. Sanction capacity		5.3 MTPA
	C. Mining Lease Area		923.88 Ha.
	D. Date of Public Hearing		12.02.2008; 25.03.2021
7	Location of the Project	:	Ramagiri Mandal, Peddapally Dt.505211
	A. Village		Julapalli
	B. Tehasil		Ramagiri
	C. District		Peddapalli
	D. State		Telangana State
	E. Latitude		N 18 ⁰ 39' 07 " N to 18 ⁰ 41' 05"
	F. Longitude		E 79 ⁰ 32' 37" E to 79 ⁰ 33' 53"
	G. Topo Sheet		56 N/10
	H. Nearest railway station		Ramagundam Railway Station
	I. Nearest Airport		Hyderabad
	J. Nearest town		Ramagundam
8	Address for Correspondence	:	
	A. Name		Sri N. Radha Krishna
	B. Designation		Project Officer
	C. Address		Godavari khani 8 inc Colony (PO), Ramagiri Mandal, Peddapalli Dist. 505211 T.S.
	D. Pin Code		505211
	E. E-mail ID		Oc1_rg3 @scclmines.com
	F. Telephone No.		08728-250082
	G. Mobile No.		9491144407
	H. Fax No.		08728-259843
9	Life of the Project	:	
	A. Date of Opening		Phase-I Project 1st April 2008 Phase-II Project 23rd Oct., 2008
	B. Total Life of the project as per EMP		23 years

	C. Balance Life		2 years
10	Seams	:	
	A. No. of Seams Present		9
	B. Seams being worked		7
11	Depth	:	
	A. Minimum Depth (m)		25 m
	B. Maximum Depth (m)		240m
	C. Present working depth (m)		210 m
12	Reserves	:	
	A. Total Geological Reserves		68.22 MT
	B. Total Extractable Reserves		65.22 MT
	C. Reserves already Extracted		63.927 MT
	D. Balance Reserves		
	E. Coal production during last six months		1.658 MT
13	Over Burden	:	
	A. Total OB		355.53 M.Cu.m
	B. OB extracted since inception		331.396 M.Cu.m
	C. OB removed in last six months		9.54 M.Cu.m.
	D. Stripping Ratio		5.81. cu.m/T
14	Top soil	:	
	A. Total Topsoil		7.21 M.Cu.m.
	B. Topsoil extracted since inception		3.730 M.Cu.m.
	C. Top soil spreaded		3.730 M.cu.m
	D. Topsoil removed in last six months		0.02 M.cu.m
15	Land Requirement	:	
	A. Total Requirement		923.88 Ha
	B. Forestland Involved		15.64 Ha
	C. Non-forestland		908.24 Ha
16	Activity wise Land Requirement	:	As per EMP (in Ha) Present Status (in Ha)
	A. Quarry Area		367.44 363.14
	B. External OB Dumps(voids of OC-I area		403.31 388.286
	C. Infrastructures		30.52 30.52
	D. Others		123.61 141.952
	E. Total		923.88 923.88
17	Statutory Clearances	:	
	A. Ground Water Clearance		Vide Lr.No.Memo No.2182/HgII/2018-2 dt. 26.09.2022

	B. Consent for Establishment		Vide Order .No.04/TSPCB/CFE/RO-RGM/HO/2023, DT. 29-04-2023.
	C. Consent for Operation		Order No. 20234660523, Dt.19.10.2023 valid upto 31.03.2026
	D. Forest Clearance		Lr.No.8-109/2005 DT.02-05-2008
	E. Mining Lease		<p>Project Area falls in South Godavari Mining Lease and South Godavari Additional Mining Lease.</p> <p>1) As per the approval of Ministry of Coal GOI Lr.No.13016/0/2013-CA II, Dated 05.02.2015, Vide GOMS NO. 02, dated 12.01.2015 lease was granted and executed for 20 years i.e from 01.01.2015 to 31.12.2034</p> <p>2) 1st renewal of South Godavari Additional ML as per approval of GOI Ir.NO.13013/9/07-CA.II.8.01.08, vide GOMS NO. 201 dated 31.07.2008 of AP lease was granted and executed 20 years i.e from 07.09.2005 to 16.09.2025</p>
	F. Others (Specify)		---
18	R & R Involved	:	Not involved

Condition wise compliance status of Environmental Clearance granted for Ramagundam Opencast –I Coal Mine expansion Project Phase-II as on 30.09.2023.
Environment Clearance No. F.No.23-71/2018-IA(III)],Dt:16.01.2023.

4. The Expert Appraisal Committee in its 35th meeting held on 26th – 27th September, 2022 has recommended the proposal for grant of Environment Clearance. Based on the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the proposal of Ramagundam Opencast-I Coal Mine for Expansion – Phase II with increase in production capacity from 3.3 MTPA to 5.3 MTPA in mine lease area of 923.88 Ha by M/s The Singareni Collieries Company Limited at Village Nagepalli, Mandal Ramagiri, District Peddapalli (Telangana), under the provisions of Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars there to subject to the compliance of the following terms & conditions/ specific conditions.

Specific conditions	Compliance
i) EAC recommended an amount of Rs.162.00 Lakh towards Remediation plan and Rs. 205 Lakh towards Natural and Community Resource Augmentation Plan, which should be spent within a span of 2 years. The details of Remediation plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan with budgetary provision are mention above.	Remediation plan and Natural & Community Resource Augmentation plan (RP and NCRAP) works completed with budgetary provision of Rs.367.00 lakhs. Status of RP and NCRAP is furnished as Annexure-XIV

A. Remediation plan along with the action plan with a budget of Rs. 162 Lakh.

SI .N o	Compo nent	Activity	Item descriptio n	Location	Unit Rate in Rs.	Qty.	Cost		
							Year I	Year II	In Rs. Lakh
1 a	Air, Noise & Ecology	Dust suppression	Providing Wind Barrier / Greenbelt of 8m height for RG OCP-I CHP.	RG OCP-I CHP	30,00,000 /100 m	400 m	120.00	60.00	60.00
1 b		Avenue Plantation	Plantation of total 3,000 no.s of native plants at Rs. 1000 per sapling including maintenance for 3 years in nearby villages.	In surrounding villages: • Julapalli • Mulkalapalli • Pannur • Nagepalli • Ratnapur	1,000/one plant	4,200 nos.of plants	42.00	21.00	21.00
Sub-Total (A)							162.0	81.0	81.0

B. Natural 7 Community Resource Augmentation plan along with action plan with a budget of Rs. 205 lakh.

Sl. No	Activity	description	Location	Unit Rate in Rs.	Qty.	Cost	Year I	Year II
						In Rs. Lakh		
2a	Ground Water Recharge	Providing rain water harvesting pits (2.5 m x 2.5 m x 2 m size) in surrounding villages and in SCCL lease area.	In surrounding villages: <ul style="list-style-type: none"> • Julapalli • Mulkalapalli • Pannur • Nagepalli • Ratnapur 	2,00,000/- one unit	20 nos.	40.00	20.00	20.00
2b		Construction of two nos. of check dams across Bokkala vagu.	across Bokkala vagu.	15,00,000/ one unit	2 nos.	30.00	15.00	15.00
2c	Green Energy Initiatives	Providing 30 w pole mounted solar lights (complete set) in nearby villages @ Rs.28,000 per unit with three years maintenance.	In surrounding villages: <ul style="list-style-type: none"> • Julapalli • Mulkalapalli • Pannur • Nagepalli • Ratnapur 	28,000/ one unit	81 nos	22.68	11.34	11.34
Sub-Total (B)						92.68	46.34	46.34


Community Resource Augmentation Plan

Sl. No	Activity	description	Location	Unit Rate	Qty.	Cost	Year I	Year II
						In Rs. lakh		
3.	Development of infrastructure	Laying of CC Road	<ul style="list-style-type: none"> • Julapalli (10 Km) • Ratnapur (1.25 Km) 	Rs. 50 lakh / km (width: 10 ft.)	2.25 Km	112.32	60.00	52.32
Sub-Total (C)						112.32	60.00	52.32
Grand – Total (B+C)						202.00	92.68	112.32

i)	Remediation plan shall be completed within two years from date of issue of EC only whereas bank guarantee shall be for 3 years. The bank guarantee submitted by PP vide no 0416822VG0000560 dated 17.11.2022 will be released after successful implementation of the remediation plan and Natural and community resource augmentation plan, and after the recommendation by Regional office of the Ministry.	<p>SCCL submitted BG to TSPCB for 3 years (Ref.Lr.No.8/TSPCB/EC/BG/2020-446, dated 06.12.2022) and is implementing Remediation plan and Natural and Community Resource Augmentation Plan (RP and CRAP) as per schedule.</p> <p>About 78% of RP and NCRAP works are completed so far. SCCL will claim for release of bank guarantee after completion of total works.</p> <p>Status of RP&NCRAP works enclosed in Annexure-XV</p>
ii)	Any connected proposal of expansion / amalgamation of this mine with other mines shall only be considered after	Agreed upon

	75% of full compliance of existing EC conditions along with compliance of remediation plan and Natural and community resource augmentation plan, for amount Rs. 367.00 lakhs are accomplished.	
iii)	PP shall implement in-pit conveyor system with silo loading facility till railway siding and No road transportation shall be allowed.	Being Complied. Coal is being transported from working face to SILO, CHP by a series of belt conveyors. From SILO coal is being loaded into railway wagons and transported to different customers.
iv)	PP to submit the tree implementation plan along the internal / approach road side of transportation route including mine periphery area within 2 months from date of issue of EC to IRO, MoEF&CC. A detailed report with GIS images of every 3 months subsequently be submitted in every six monthly report to justify the adequate tree plantation.	Agreed upon
v)	Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.	Ground water clearance was obtained from State Ground Water Authority Vide Memo No.2182/HgII/2018-2,Dt.26.09.2022 for drawing ground water for project activities and is valid up to 24.05.2026. Copy of GWC is enclosed as Annexure-XVI CTO obtained from TSPCB vide Consent Order No. 20234660523, dated 19.10.2023, copy is enclosed as Annexure-XVII
vi)	The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.	Not Applicable. Hon'ble Supreme Court issued a judgment in Common Cause Vs Union of India on 02.08.2017 related to major minerals and particularly applicable to Iron Ore and Manganese Ore mines of Odisha State stating that 100% compensation towards the price of the mineral should be recovered for the illegal mining. SCCL submitted affidavits to MoEFCC while obtaining ToRs of projects under violation category stating that it will abide by the judgment given by Hon'ble Apex Court in Common Cause Vs Union of India. However, The DMG clarified that the penalty clause under section 21(5) and other sub-sections of MMDR Act 1957 are related to

	the mineral extracted either without granting of mining lease or mineral extracted outside the mine lease area. Hence, DMG has concluded that M/s SCCL has not committed any violation under section 21 (5) of MMDR Act, 1957. DMG also opined those violations were committed under E(P)Act/EIA Notification and liable for penalization under the same Act but not under MMDR Act, 1957. NOC issued in this regard by DMG, Hyderabad, Govt. of Telangana State.
vii) State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors	Not Applicable in view of the above.
viii) PP shall engage third party independent expert agency for monitoring / auditing of compliance of EC conditions every year.	Third party Environmental audit has been awarded to CSIR, NEERI.
ix) No village road shall be used for transportation of coal and no road transport route shall be adopted, which is passing through any sensitive location such as schools, hospitals etc. PP shall take legal undertaking from its consumers accordingly.	Coal is being transported from working face to SILO, CHP by a series of belt conveyors. From SILO coal is being loaded into railway wagons and transported to different customers.
x) Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.	Effective dust suppression system is being adopted at the mine while transportation site and in the other parts of the mining lease to arrest the fugitive dust emission and regular water spraying was carried out along the haul roads, approach roads, loading points etc by providing sufficient water sprinklers of 28 KL (9 No's), capacity and one 10 KL (5 No's), Water Tanker for dust suppression etc. Water/mist spraying arrangements and 2 No. of fog canons were also provided at RG OCP-I, CHP for controlling the fugitive dust emissions.
xi) Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities /department.	Complied. SCCL has obtained all the statutory permissions required for operation of the mine. The details are as follows. Revised Mining & Mine Closure Plan was approved by MoC on 17.10.2014 vide Lr.No.13016/2/2006-CA-II for a production capacity of 5.30 MTPA with existing project

	area of 923.88 ha. Forest Clearance: Stage-II Forest Clearance was obtained for entire 15.64 ha of forest land vide FC Lr.No.F.No.8-109/2005-FC, dated 02.05.2008 and valid up to 01.05.2028 CFE: No. 04/TSPCB/CFE/RO-RGM/HO/2023, Dt.29.04.2023, for 3.3 MTPA to 5.3 MTPA. CTO obtained from TSPCB vide Consent Order No. 20234660523, dated 19.10.2023. Ground water clearance was obtained from State Ground Water Authority Vide Memo No.2182/HgII/2018-2,Dt.26.09.2022. DGMS permissions for carrying out the mining operations were also obtained.		
xii) PP shall install CAAQMS for air monitoring and online water quality monitoring system for checking the quality of mine water and display outside main gate of colliery before discharge from its settling pond.	Continuous Ambient Air Quality Monitoring Station (CAAQMS) was established at the core zone (project area) and its display is provided at mine office with the consent of PCB authorities. CAAQMS is connected to TSPCB server and real time data is available on TSPCB website. Procurement of on line water quality monitoring system is under process and will be installed soon.		
xiii) In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities for community development under EMP.	All the activities for the community development under EMP were completed with an expenditure of Rs.1,12,32,000/- Activity wise works taken up along with expenditure are furnished below.		
S. No	Activities	Total (Rs.)	Present status
1.	Laying of CC roads (2) At Julapalli (1.0 Km) & Ratnapur (1.25 Km)	112.32	Laying and repair of CC roads in all the villages completed on 15.07.2023.
	Total	112.32	
xiv) PP shall plant additional 2000 numbers of native / fruit bearing plants around the colony/ guest house in	Complied.		

before commencement of monsoon and furnish the detail within 3 months to the respective IRO, MoEF&CC.



xv) PP must obtain 4.5-star rating of MoC in the year 2023-24 and report shall be submitted to IRO.

Agreed upon

xvi) Periodical health check-up shall be conducted to monitor to impact of heavy metals present in core zone and buffer zone air quality and also to prepare an action plan to reduce heavy metals concentration and also report to be submitted to concerned regional office of MoEF&CC.

Core Zone
Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., at Kothagudem, Manuguru, Yellandu, Godavarikhani, Sector - III Colony(Godavarikhani), Bellampalli, Ramakrishnapur, Mandamarri, Srirampur, Bhupalpally and Sathupalli for conducting IME/PME of the employees including contract employees.

All the PME Centres are equipped with necessary infrastructure for carrying out IME/PME and maintenance of data base.

Every PME centre is provided with the facility for chest radiographs as per ILO guidelines with a set of ILO standard chest radiographs on Pneumoconiosis, lung function tests with computerized Spirometres of RMS make, and facilities for Audiometry with pure tone Audiometry equipment.

All the Chest radiographs of the Initial and Periodical Medical examinations are being classified for detection, diagnosis and documentation of Pneumoconiosis in accordance with the ILO classification for Pneumoconiosis according to DGMS guidelines.

All the PME Doctors employed except gynaecologists, paediatricians, surgeons and ortho surgeons are trained to read PME XRays in accordance with ILO classification of Pneumoconiosis.


Out of a total of 209 Doctors on roll as on date, 123 Doctors are trained in reading the chest radiographs as per the ILO guide lines. SCCL has one Occupational Diseases Board (Pneumoconiosis Board) in existence since 1965. Chief of Medical Services, Radiologist constituted the Occupational Diseases

	<p>Board, Physician and Occupational Health Physician together.</p> <p>In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.</p> <p>Eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals. In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.</p> <p>Eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals.</p> <p><u>Buffer Zone</u></p> <p>SCCL is also conducting regular health camps in villages located in the vicinity of project to study the health status of the people and is providing free treatment in SCCL hospitals.</p> <p>The details are being submitted to MoEF&CC regularly along with HYMR's.</p>
<p>xvii) Hon'ble Supreme Court in an Write petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is</p>	<p>Will be complied</p>

<p>over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.</p>	
<p>(a) Statutory compliance</p>	<p>(b) Standard Conditions</p>
<p>(i) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.</p>	<p>Forest clearance was obtained vide Lr.No.8-109/2005 DT.02-05-2008.</p>
<p>(ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</p>	<p>Permission from National Board of Wildlife has been obtained for Siwaram (Crocodile) wild life sanctuary vide F.No. 6-66/2021 WL dated 07.02.2022.</p>
<p>(iii) The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of Schedule-1 species in the study area).</p>	<p>Wild life Conservation Plan and mitigation measures is prepared for Scheduled – I species and approved by the PCCF Vide ltr RC.No.3505/2020/WL - 1, Dated.08.04.2021 for an amount of Rs.335.68 Lakhs and will be implemented.</p> <p>An amount of Rs.164.34 was deposited in favour of Wild life conservation plan, Peddapalli</p> <p>An amount of Rs.171.34 was deposited in favour of "Forest Bio-Diversity conservation society of Telangana" Mancherial vide ltr no RG1/EST/K/WLS/246, Dt: 02.05.2023.</p>
<p>(iv) The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.</p>	<p>Complied.</p> <p><u>CFE order no</u> 04/TSPCB/CFE/RO-RGM/HO/2023, dated 29.04.2023.</p> <p><u>CFO order no</u> 20234660523 dated 19.10.2023 valid up to 31.03.2026 for 5.3 MTPA.</p>
<p>(v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority.</p>	<p>Complied.</p> <p>Ground water clearance was obtained vide letter no. 128/SCCL/2019, dated 26/09/2022 for the project.</p>
<p>(vi) Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.</p>	<p>Solid/ hazardous waste generated in the mines are being disposed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.</p> <p>Hazardous wastes like used oil with</p>

<p>Management Rules, 2016.</p>	<p>Hazardous wastes like used oil with barrels, waste oil with barrels, used transformer oil with barrels, scrapped batteries, iron scrap, copper cables, scrapped cap lamp accumulators, empty oil and grease drums are being handled and disposed off in accordance with the procedure laid down in HWM Rules, 2016.</p> <p>Used oil, spent oil, batteries and copper cables are being disposed off to the recyclers having valid registration from CPCB/TSPCB for recycling or recovery, whereas the empty oil and grease barrels are being detoxified prior to their disposal to outside agencies.</p>
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(c) Air quality monitoring and preservation

<p>(i) Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOx. 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. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.</p>	<p>Being Complied.</p> <p>Continuous Ambient Air Quality Monitoring Station as prescribed in the statute was established in the core zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x.</p> <p>Location of the stations was decided in consultation with the State Pollution Control Board by considering meteorological data, topographical features and environmentally and ecologically sensitive targets.</p> <p>Ambient air quality parameters such as PM₁₀, PM_{2.5}, SO₂ and NO_x are being monitored at regular intervals. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc., are being carried out once in six months and monitoring data is being submitted along with half yearly reports to the ministry and its regional office of MoEF&CC.</p> 
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(ii) The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.

Being Complied

The Ambient Air Quality monitoring in the core zone is being carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.

Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data is being submitted to the Ministry/Regional Office and to the TSPCB with half yearly report.

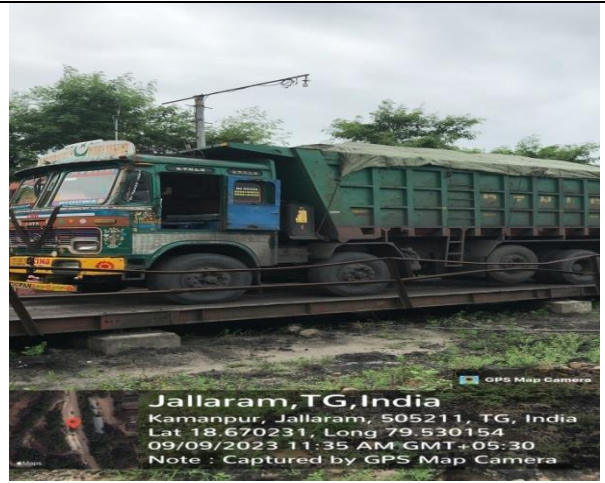
(iii) Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.

Being Complied.

Most of the coal is being transported from working face to SILO, CHP by a series of belt conveyors. From SILO coal is being loaded into railway wagons and transported to different customers.



Part of the coal is being transported by trucks covered with tarpaulin by road mode, to the extent permitted.



All necessary imitative measures such as regular water/mist sprinkling/mist spray etc., are being taken to control air pollution at haul road, loading/unloading, and transfer points, on dump etc. Fugitive dust emissions from all sources are being controlled.

(iv) The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.

Agreed upon.

The transportation of coal is being carried out as per the route envisaged in the approved Mining Plan/ Environment monitoring plan.

(v) Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.

Being Complied.

Vehicular emissions are being kept under control and they are regularly monitored. The latest vehicular emissions test for HEMM was conducted during the period from 01.08.2023 to 11.08.2023. All the vehicles engaged in mining and allied activities are being operated after obtaining 'PUC' certificate from the authorized pollution testing center. Reports are attached in Annexure-III



(vi) Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.

Being Complied

Coal stock pile/crusher/feeder and breaker material transfer points are provided with dust suppression system. Belt-conveyors will be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry was made to avoid air borne dust. All the drills are being wet operated.



(vii) Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.

Being Complied.

Coal handling plant is being operated with effective control measures such as mist spray arrangements at transfer, loading and unloading points, along belt conveyor, fixed point water sprinkling, water sprinkling with mobile water sprinkler, mist spray machine etc. Environmental friendly sustainable technology is being implemented for mitigating such parameters such as mist spray, mist spray machines etc.





(d) Water quality monitoring and preservation

(i) The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.

Being Complied

The effluent discharge (mine waste water, workshop effluent) are being monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.

The monitoring data is being submitted to the ministry along with half yearly reports.

Latest HYMR report was submitted vide Lr. No. RGM/ENV/3/19, dt.31.05.2023.







(ii) The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. I-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.

Agreed upon.
 The monitoring data is being uploaded on the company's website and displayed at the project site at a suitable location.
The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change is referred and being complied.

(iii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.

Being Complied.
 Regular monitoring of ground water levels and quality is being carried out in and around the mine lease area by establishing a network of existing wells (8 nos.) and by constructing new piezometers (3 nos.)
 The monitoring of ground water levels is being done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons.
 Data thus collected is being submitted to the MoEF& CC and to the State Pollution Control Board along with half-yearly monitoring reports.
 The latest report sent vide ref no RG-III/ENV/21/2023/106, dated 14.10.2023.

	
<p>(iv) Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.</p>	<p>Being Complied.</p> <p>Monitoring of water quality upstream and downstream of water bodies are being carried out once in three months and record of monitoring data is being maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office once in six months.</p> <p>Reports in the Annexure--I</p>
<p>(v) Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.</p>	<p>Being Complied.</p> <p>Only seepage water pumped out of the project is being utilized for mining operations.</p> <p>So far 210 nos. of Rainwater harvesting pits are constructed in surrounding villages for augmentation of ground water resources at Ramagundam region.</p> <p>The excess treated mine discharge water after meeting the stipulated norms is being discharged into nearby Bokkala Vagu for irrigation and ground water recharge.</p> 



(vi) Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run- off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.

Being Complied.

Catch and/or garland drains for a length of 6.54 km is made around the quarry and around the dump.

Three numbers of siltation ponds of size 30m x 20m x 2m 6 no's and one no 20m x 10m x 2m 4nos were constructed around the mine workings, coal yard & OB dumps to prevent run off of water and flow of sediments directly into the nearby tanks and water bodies.

Further, dump material is being properly consolidated/ compacted and accumulation of water over dumps is avoided by providing adequate channels for flow of silt into the drains.

Sump is provided with sufficient capacity for adequate retention period of seepage water to allow proper settling of silt material. The water so collected in the sump is being utilized for dust suppression and green belt development and other industrial use.

Settling pond



Garland drain

Plantation is being taken up with native-mixed species between toe of the dump and adjacent field/habitation/water bodies.



<p>(vii) Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).</p>	<p>Three numbers of siltation ponds of size 30m x 20m x 2m two nos and one no 20m x 10m x 2m were constructed around the mine workings were constructed for augmentation of ground water.</p> <p>So far 210 nos. of Rainwater harvesting pits are constructed in surrounding villages for augmentation of ground water resources at Ramagundam region.</p> <p>The excess treated mine discharge water after meeting the stipulated norms is being discharged into nearby Bokkala Vagu for irrigation and ground water recharge.</p> <p>The project authorities will meet water requirement of nearby village(s) after due treatment conforming to specific requirement (standards) if any such case arises.</p>
<p>(viii) Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.</p>	<p>Being Complied.</p> <p>Waste water generated from the project, is being properly collected and treated so as to conform to the standards prescribed under the Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time.</p> <p>A 1.5 MLD capacity STP is provided in SCCL's Srilanka colony for treating colony effluent. Two ETPs are also provided one at CHP and another at Base Workshop.</p>



(ix) The water pumped out from the mine, after siltation, shall be utilized for industrial purpose *via*. Watering the mine area, roads, green belt development *etc.* The drains shall be regularly desilted particularly after monsoon and maintained properly.

Being Complied.

The seepage water pumped out of the project after siltation is being utilized for dust suppression, plantation and fire fighting *etc.*

The drains are being regularly de- silted particularly after monsoon and maintained properly.

(x) The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake *etc.* shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.


Being Complied.

The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of water bodies in the area has been prepared and being implemented.

There are no diversions of natural water courses involved in the project.

The construction of embankment to prevent any danger against inrush of surface water into the mine is done as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.


<p>(xi) The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.</p>	<p>Not applicable.</p>
<p>(e) Noise and Vibration monitoring and prevention</p>	
<p>(i) Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.</p>	<p>Agreed upon. The condition is noted and assured to abide the condition Adequate measures are being taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc are being provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users is being conducted. Progress in usage of such accessories is being monitored.</p>
<p>(ii) Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS. The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.</p>	<p>Being Complied. Controlled blasting technique with NONELS is being carried out in order to mitigate ground vibrations, fly rock, noise and air blast etc., as per the guidelines prescribed by the DGMS.</p>
<p>(f) Mining Plan</p>	
<p>(i) Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.</p>	<p>Agreed upon. The condition is noted and assured to abide the condition. Mining operations are being carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.</p>


<p>(ii) Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).</p>	<p>Mining is being carried out as per the approved Mining Plan (2nd Revision) and Mine Closure Plan was approved on 17.10.2014 by MoC vide Lr.No.13016/2/2006-CA-II.</p> <p>And also abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).</p>
<p>(iii) No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.</p>	<p>Forest clearance was obtained vide Lr.No.8-109/2005 DT.02-05-2008</p>
<p>(iv) Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.</p>	<p>Agreed upon.</p> <p>The following energy conservation measures are being taken up:</p> <p>1. <u>Solar Power:</u></p> <p>In SCCL, 224 MW capacity Solar plants are synchronized so far. Another 76 MW plants are under installation and will be completed by 2023-24.</p> <p>Further, 232 MW Capacity Solar plants are proposed for SCCL requirements.</p> <p>In Ramagundam III area, 50 MW Solar power plant is synchronized and another 22 MW capacity solar plant is under installation on RG OC -1 OB Dumps.</p>  <p>2. <u>Fixing of Energy Meters:</u></p> <ul style="list-style-type: none"> • 2000 No.s fixed in quarters of SCCL. • Target fix in all 43,000 No. of SCCL quarters <p>3. <u>Lighting:</u></p>


	<ul style="list-style-type: none"> • Incandescent lamps are banned in quarters. • Advised to replace LED lamps in place of Incandescent lamps. • Conventional street / yard lighting is replaced with LED lights. <p>4. <u>Energy efficient appliances:</u></p> <ul style="list-style-type: none"> • Made mandatory to purchase 5 star rated. House holds appliances. • Purchased 5 star rated Air conditioners, Refrigerators, Fans, Coolers etc., in SCCL and also made propaganda among the employees. <p>5. <u>Others:</u></p> <ul style="list-style-type: none"> • In OC mines, proposed to procure mobile Solar Lighting Masts with energy saving LED lights with Battery backup in place of diesel operated DG Set with conventional high capacity lights. • Arranged to fix transparent acrylic sheets on roof top to utilize day light. • Using timers in street lighting in all areas
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(g) Land reclamation

<p>(i) Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).</p>	<p>Being Complied.</p> <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out during 2022 in 1:50,000 scale for monitoring land use pattern and report is submitted to MoEF&CC/ Regional Office (RO) at Hyderabad.</p>
<p>ii) The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.</p>	<p>Agreed upon.</p> <p>All the recommendations will be complied at final closure stage.</p> <p>At final closure stage, the final mine void depth will be as per the approved Mine Closure Plan, and in case it exceeds 40m, adequate engineering interventions will be provided for sustenance of aquatic life therein.</p> <p>The remaining area will be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent</p>

<p>(ii) The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the “during mining”/“post mining” land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO</p>	<p>amendments.</p> <p>Agreed upon.</p> <p>Progressive reclamation of the degraded land in the project is being taken up in the project as per the phase-wise restoration and reclamation programme envisaged in the approved EIA/EMP and shown in the Table below.</p> <p>Accordingly, plantation has been done on the stabilized portion of external overburden dump and vacant lands in the project area.</p> <p>So far, OB is backfilled in 254.15 ha. Of de-coaled void area.</p> <p>Total progressive plantation up to Sep-2023 is 226.60 ha. (126+100) Plantation is being done as per the progress of external dump and stabilization of backfilled area.</p>  <p>Progressive compliance status vis-à-vis the post mining land use pattern is being submitted to the MoEF&CC/RO along with HYMR.</p>
<p>(iii) Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.</p>	<p>SCCL is conducting a scientific study at Manuguru Opencast Project to ascertain the stability of overburden dumps by mixing of fly ash by CSIR- Central Institute of Mining and Fuel Research, Dhanbad. Basing on the outcome of the scientific study, SCCL will approach DGMS for permission.</p> <p>Based on the above study report and DGMS permission a decision on mixing of fly ash with OB in this project will be taken up.</p> <p>However, it is to submit that the fly ash is being utilized in the underground mines of SCCL for stowing of goaved out areas. Till now around 104.92 lakh cu.m of ash has been utilized for this purpose.</p>

<p>(iv) Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.</p>	<p>Agreed upon.</p> <p>The topsoil is being temporarily stored at earmarked site and is being used for land reclamation and plantation purposes.</p> <p>OB dump is being stabilized with native grass species like Hamato grass to prevent erosion and surface run off. The overburden dump is being vegetated with native flora species. The excavated area is being backfilled and afforested in line with the approved Mine Closure Plan.</p> <p>Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining.</p>  <p>Data is being submitted along with half yearly reports to the ministry/regional office of MoEF&CC on six-monthly basis.</p>
<p>(v) The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.</p>	<p>Not applicable as no grazing land involved in the project.</p>
<p>(h) Green Belt</p>	
<p>(i) The project proponent shall take all precautionary measures during mining operation for conservation</p>	<p>Agreed upon.</p> <p>All precautionary measures are being taken during mining operation for conservation and</p>

<p>and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.</p>	<p>protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.</p> <p>Wildlife Conservation Plan for Schedule-I species was approved by the Principal Chief Conservator of Forest (Hoff) and Chief Wild life Warden, Telangana State vide Ltr No. 3505/2020/WL-1 dated 08.04.2021 for an amount of Rs.335.68 Lakhs (Peddapalli district-Rs.164.34 Lakhs and Chennur division-Rs.171.34 Lakhs).</p> <p>For implementation of the Wild life conservation plan, demand note has been received from DFO Peddapalli and SCCL has deposited Rs.164.34 Lakhs into Bio-diversity Conservation Society of Telangana (BIOSOT).</p> <p>Similarly, after receiving the demand note from DFO Chennur division, the amount of Rs.171.34 Lakhs will also be deposited.</p>
<p>(ii) Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads.</p>	<p>Agreed upon.</p> <p>The condition is noted and assured to abide the condition.</p> <p>Greenbelt consisting of 3 tier plantation of width not less than 7.5 m is developed all along the mine lease area. The green belt comprising a mix of native species (endemic species) developed all along the major approach/coal transportation roads.</p> 

Plantation along the approach road to RG OC-I



(i) Public hearing and Human health issues

(j) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & its RO on six-monthly basis.

Being Complied.

Sufficient illumination is being provided in the mine at locations as per DGMS standards and monitored weekly. The report on the same is submitted to this ministry & its RO on six-monthly basis.



(ii) The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines

Being Complied.

SCCL is providing free medical treatment to all the workmen and their family members in the 7-area hospital (with a total of 821 beds) and 21 dispensaries established in all the workings areas of the company.

The annual expenditure incurred by SCCL in

Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.

maintenance of health care facilities during 2022-23 is Rs.307.00 Crores.

SCCL is also conducting regular health camps in villages located in the vicinity of project to study the health status of the people and is providing free treatment in SCCL hospitals.

In addition, SCCL established eleven Initial

Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., at Kothagudem, Manuguru, Yellandu, Godavarikhani, Sector - III Colony(Godavarikhani), Bellampalli, Ramakrishnapur, Mandamarri, Srirampur, Bhupalpally and Sathupalli for conducting IME/PME of the employees including contract employees.

All the PME Centres are equipped with necessary infrastructure for carrying out IME/PME and maintenance of data base.

Every PME centre is provided with the facility for chest radiographs as per ILO guidelines with a set of ILO standard chest radiographs on Pneumoconiosis, lung function tests with computerized Spirometres of RMS make, and facilities for Audiometry with pure tone Audiometry equipment.

All the Chest radiographs of the Initial and Periodical Medical examinations are being classified for detection, diagnosis and documentation of Pneumoconiosis in accordance with the ILO classification for Pneumoconiosis according to DGMS guidelines.

All the PME Doctors employed except gynaecologists, paediatricians, surgeons and ortho surgeons are trained to read PME XRays in accordance with ILO classification of Pneumoconiosis.

Out of a total of 209 Doctors on roll as on date, 123 Doctors are trained in reading the chest radiographs as per the ILO guide lines. SCCL has one Occupational Diseases Board

(Pneumoconiosis Board) in existence since 1965. Chief of Medical Services, Radiologist constituted the Occupational Diseases Board, Physician and Occupational Health Physician together.

In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.

Eye refraction test is being done for vehicle

	<p>drivers and HEMM operators at an interval of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals. In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.</p> <p>Eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals.</p> <p>Health checkup April 2023 to September 2023=167 persons. Annexure-X</p>
<p>(iii) Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.</p>	<p>Being Complied.</p> <p>Persons including outsourced employees being deployed in open atmosphere in mining operations are being provided with dust masks and adequate training and information on safety and health aspects is being imparted.</p>
<p>(iv) Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land-oustees shall be compensated as per the norms laid down in the R&R policy of the company/state Government/Central Government, as applicable.</p>	<p>Action plan on the issues raised during the public hearing is formulated and implementation is being ensured. All the tasks/measures as per the action plan with budgetary provision submitted during the public hearing are being undertaken.</p> <p>No R&R is involved in this project</p>
<p>(v) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area.</p>	<p>Agreed upon.</p> <p>The mitigation measures provided in Ministry's OM.No.Z-11013/5712014-IA.II(M) dated 29th October, 2014, titled 'Impact of Mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area' are being complied.</p>

(i) Corporate Environment Responsibility

<p>(i) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 30th September 2020 and based on commitment made during public consultation process for incorporating in EIA-EMP for deliberation of EAC.</p>	<p>Being Complied</p> <p>Fund allocation has been made for the commitments made during public hearing and the same is incorporated in the EIA/EMP.</p>						
<p>(ii) The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus anyinfringements/deviation/violati on of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.</p>	<p>Being Complied.</p> <p>The company is having a well laid down environmental policy duly approved by the Board of Directors.</p> <p>The environmental policy is containing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental/ forest/ wildlife norms/conditions.</p> <p>The company is having a defined system of reporting infringements/deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholders/stake holders.</p>						
<p>(iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</p>	<p>Being Complied.</p> <p>A company level environment cell with qualified personnel headed by General Manager (Environment) who is directly reportable to the Chairman 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 multi disciplinary 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="826 1921 1449 2027"> <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> </table>	1.	SO to General Manager	Chairman	2.	Project Officer	Member
1.	SO to General Manager	Chairman					
2.	Project Officer	Member					

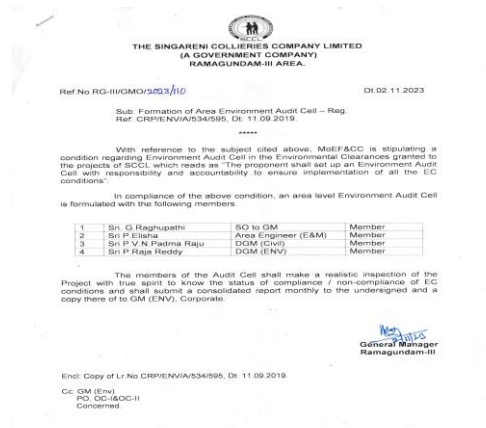
	3.	Area Engineer (E&M)	Member
	4.	Area Civil Engineer	Member
	5.	Area Forest Officer	Member
	6.	Area Estates Officer	Member
	7.	Project Manager	Member
	8.	Project Engineer	Member
	9.	Project Surveyor	Member
	10.	Project Env. Officer	Member
	11.	Area Env. Officer	Secretary
	12.	Sr.Hydro Geologist	Member
	13.	Area Survey Officer	Member

(v) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

Being Complied.
 An EAC committee at project level is established for compliance of EC/CFE/CFO/GWC/FC etc and for implementing EMP.
 The funds earmarked for environmental protection measures are not being diverted for any other purpose.
 Year wise progress of implementation of environmental protection measures is being reported to the Ministry/Regional Office along with the Six Monthly Compliance Report. Annexure-VI

(v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

Being Complied.
 Self environmental audit is being done at area level by the committee on half yearly basis.
 Formation of audit cell Annexure-XVIII




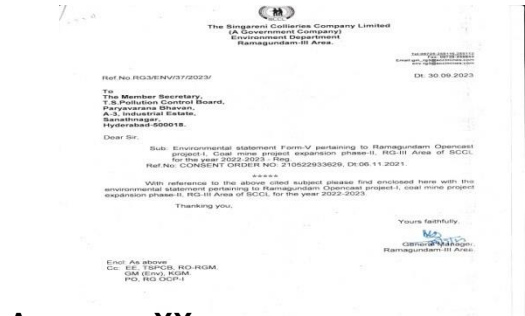
Third party Environmental audit has been awarded to CSIR, NEERI.

(j) Miscellaneous

(i) The project proponent shall make public the environmental clearance granted for their project along with the environmental

Being Complied
 The advertisement regarding grant of Environmental Clearance to this Project was published in two local news papers within seven

<p>conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p>	<p>days of grant of EC i.e. in news papers “The Hans India (English)” on 21.01.2023 & Namaste Telangana (Telugu) on 21.01.2023. A copy of the Environmental clearance was also displayed in the SCCL’s website permanently.</p> <p>A copy of the Environmental clearance was submitted to Telangana State Pollution Control Board.</p>
<p>(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.</p>	<p>Being Complied.</p>  <p>This condition was complied immediately after receiving EC from MoEF&CC, New Delhi.</p> <p>The copies of the environmental clearance were submitted to heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government vide Lr. No. RG3/ENV/27/2022/291, dated 20.01.2023 for display the same for 30 days from the date of receipt Annexure-XIX.</p>
<p>(iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.</p>	<p>Being Complied.</p> <p>The status of compliance of the stipulated environment clearance conditions, including results of monitored data are being uploaded on SCCL website and updating the same on half-yearly basis.</p> <p>A soft copy of the status of compliance of EC conditions is being submitted to the respective Regional Office of the MoEF& CC by mail once in every six months.</p> <p>Hard copy of the status of compliance of EC conditions is being submitted to the TSPCB office by register post once in every six months.</p> <p>Latest HYMR report was submitted vide Lr. No. RG-III/ENV/3/19 dt.31.05.2023.</p>
<p>(iv) The project proponent shall monitor the criteria pollutants level namely; PM10, 502, NOx (ambient levels) or critical sectoral</p>	<p>Being Complied</p> <p>The criteria parameters like PM₁₀, PM_{2.5}, SO₂, NOx (ambient levels) indicated for the projects are being monitored and displayed at the</p>

<p>parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.</p>	<p>project site (PO Office) for disclosure to the public and monitored data is being uploading to the company website.</p>
<p>(v) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.</p>	<p>Being Complied. Six-monthly reports on the status of the compliance of the stipulated environmental conditions are being submitted on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.</p>
<p>(vi) The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.</p>	<p>Agreed upon. The mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area' are being followed.</p>
<p>(vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.</p>	<p>Being Complied. The Environmental statement for each financial year ending 31 March 2023 in Form-V is being submitted vide ref no RG-III/ENV/37/2023/94 dated 30.09.2023 by the project authority to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, and also uploaded on the company's website along with the status of compliance of EC conditions.</p>  <p>Annexure-XX</p>
<p>(viii) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.</p>	<p>Agreed upon. The condition is noted and assured to abide the condition As the mine is an operating opencast project and only production was enhanced from 3.3 MTPA to 5.3 MTPA (Peak) and progress of</p>

	<p>mining operations has been communicated through half yearly reports.</p> <p>Vide letter no- ENV/03/2021/19 dated 07.03.2021 project authorities informed to the Regional Office of the <u>MoEF&CC regarding commencement</u> of mining operations.</p>
(ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Stipulations made by the State Pollution Control Board and the State Government are being adhered to.
(x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	<p>Complied</p> <p>All commitments and recommendations made in the EIA/EMP report Public hearing issues and also during presentation to the EAC are being complied.</p> <p>Report in Annexure-VIII</p>
(xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	<p>Agreed upon.</p> <p>Any further expansion or modification will not be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.</p>
(xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<p>Agreed upon.</p> <p>Actual data is being submitted.</p>
(xiii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<p>Agreed upon.</p> <p>The conditions stipulated in Environmental clearance letter are being implemented.</p>
(xiv) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	<p>Agreed upon.</p> <p>If any additional conditions are stipulated by the Ministry, same will be implemented.</p>
(xv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	<p>Agreed upon.</p> <p>Project authorities are extending full co-operation during the visits of the office(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p>
(xvi) The above conditions shall be	Agreed upon.

enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

All the measures are being taken to avoid soil contamination, contamination of ground water & surface water and occupational and other diseases due to the mining operations.

Public Liability Insurance has been obtained vide policy no. 6136013623330000001 which is valid up to 29.04.2024.

Annexure-XXI

THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE
LIN NUMBER - RBDAN190F0076100001

Insured's Name: THE SINGARENI COAL MINES COMPANY LIMITED
Insured's Details: POLS000009
Office Code: KCTHANGOLEM RD 0136010
Customer ID: CORPORATE OFFICE KOTHAGUDEM
Address: 12, 10/15, 10/16, 10/17, 10/18/19/20/21, M. C. ROAD, KOTHAGUDEM, TELANGANA STATE
Phone No: 9849413233
PAN No: AAAC1882F
GSTIN No: 36AAAC1882F1Z1JNA
E-mail Id: NA / 0874541233, 903284838
B. Tax Regn. No.: AAAC1882F1Z1JNA
GSTIN: 36AAAC1882F1Z1JNA
SAC: 987132 (Other non-IRB insurance services see IR)

Policy Details: Policy Number: 6136013623330000001
Period of Insurance: From 30/04/2023 12:00:01 AM To 29/04/2024 11:59:59 AM
Business Source Code: NA / SHUBRA KOTRA 903284838
Date of Proposal: 30-Apr-23
Approved/Revised User: RUPES ONE SAC
Approved/Revised Insured Person: RUPES ONE SAC
Client Type: Non-Corporate
E-mail Id: NA / 0874541233, 903284838

Premium (₹)	ESF	GSTR	Total (₹)	Total (₹ in words)	Receipt No. & Date
60611	60611	10.910	3,32,131	THREE LAKH TWO THOUSAND ONE HUNDRED THIRTY ONE ONLY	61360136233300000019 3-18/04/23

Details of risk covered under current year policy:

Retrospective Date	Paid Up Capital	No. of Locations involved	ADA	ADA ADY	ADY	Annual Turnover (₹)	Annual Turnover (₹ in words)	Deductible	No. of workmen	No. of Other Employee
30/04/2023	<= 15 Cr	11	50000000	1.3	15000000	2049510000	2049.51 LAKH ONLY	43672	0	0

Retrospective Dates:

Retrospective Date	Date	Paid Up Capital	No. of Locations involved	ADA	ADA ADY	ADY	Annual Turnover (₹)	Annual Turnover (₹ in words)	Deductible	No. of workmen	No. of Other Employee
RETRO DATE	30/04/2023	<= 15 Cr	11	50000000	0	1.3	15000000	15.00 LAKH ONLY	43672	0	

RETRO DATE IS SUBJECT TO LESSER OF LIMITS, NARROWER OF COVER.

Extensions under the Policy
Name of the Extension: Sub Limit of the Extension: Deductibles of the Extension:

Page No. 6136013623330000001 Document generated by 39879 at 18/04/2023 13:46:41 Hours
Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.

Page 1 of 2

5. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.

Agreed upon.
All commitments and recommendations made in the EIA / EMP report Public hearing issues and also during presentation to the EAC are being complied.

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

Agreed upon.
The project is started after obtaining all necessary clearance /approvals only.
Any further condition, if stipulated by the ministry or any other competent authority for environmental protection, will be complied.

7. 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

Agreed upon.
No appeal against this environmental clearance lie with the National Green Tribunal.

<p>8. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.</p>	<p>Agreed upon. The condition is noted and assured to abide the condition No illegal mining is done in this project.</p>
<p>9. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.</p>	<p>Agreed upon. Not applicable. No illegal mining is done in this project.</p>
<p>10. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.</p>	<p>Agreed upon. The condition is noted and assured to abide the condition.</p>


 PO, RGOCP-I,
 RG -III, SCCL
PROJECT OFFICER
WCCM-1, RG-3