



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

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Ref.No.RG-III/ENV/03/2025/36

Dt.29.05.2025.

**To  
THE DIRECTOR,  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (MoEF&CC),  
INTEGRATED REGIONAL OFFICE,  
ARANYA BHAVAN, 3<sup>rd</sup> 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 October 2024 to  
March 2025 – Reg.  
Ref: - F.No.23-71/2018-IA(III)], Dt:16.01.2023.

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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 October 2024 to March 2025 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,

  
General Manager,  
Ramagundam-III Area.

Enclosed: A/a with soft copy  
CC: PO OC-I  
M.F



**THE SINGARENI COLLIERIES COMPANY LIMITED**  
**(A GOVERNMENT COMPANY)**  
**RAMAGUNDAM-III AREA**

**HALF-YEARLY MONITORING REPORT**  
**(For the period OCTOBER 2024 to MARCH 2025)**

**(In compliance with EIA notification 2006 under Environment (Protection) Act.)**

**FOR**

**RAMAGUNDAM OPEN CAST-I COAL MINE EXPANSION PROJECT**  
**PHASE-II**  
**(RAMAGUNDAM-III AREA)**



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## **PART-I**

### **Ramagundam Opencast Mine-I Expansion project phase-II Environmental Clearance Conditions as on 31.03.2025**

#### **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		3.3 MTPA (Normative)---5.3 MTPA (Peak)
	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, Peddapalli Dt.505211
	A. Village		Julapalli
	B. Tehasil		Ramagiri
	C. District		Peddapalli
	D. State		Telangana State
	E. Latitude		N 18° 39' 07 " N to 18 °41' 05"
	F. Longitude		E 79° 32' 37" E to 79° 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. J. Rajasheker, (DGM)
	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 @sccmines.com
	F. Telephone No.		08728-250082
	G. Mobile No.		7382068945
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		1 year
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)	220m	
	C. Present working depth (m)	170 m	
12	Reserves	:	
	A. Total Geological Reserves	68.23 MT	
	B. Total Extractable Reserves	2.5 MT	
	C. Reserves already Extracted	71.63 MT	
	D. Balance Reserves	2.5 MT	
	E. Coal production during last six months	1.734 MT	
13	Over Burden	:	
	A. Total OB	363.137 M.Cu.m	
	B. OB extracted since inception	463.6 M.Cu.m	
	C. OB removed in last six months	7.607 M.Cu.m.	
	D. Stripping Ratio	6.47 cu.m/T	
14	Top soil	:	
	A. Total Topsoil	7.21 M.Cu.m.	
	B. Topsoil extracted since inception	3.805 M.Cu.m.	
	C. Top soil spreaded	0.00 M.cu.m	
	D. Topsoil removed in last six months	0.00 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.231/Hgl/NOC Mines/PDPL/2025, dt. 08.05.2025 Valid up to 07.05.2027.	
	B. Consent for Establishment	Vide Order .No.04/TSPCB/CFE/RO-	



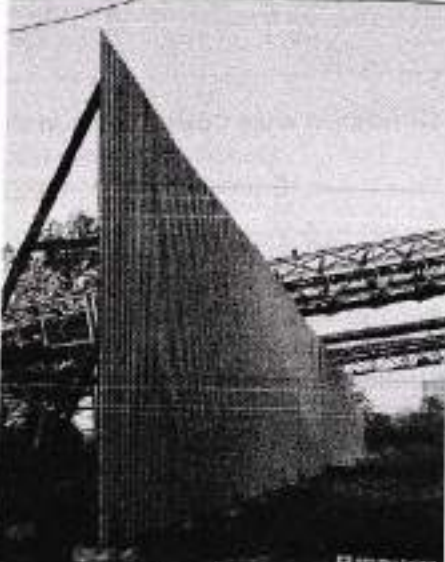

			RGM/HO/2023, DT. 29-04-2023.
	C. Consent for Operation		Order No. 20234660523, Dt.19.10.2023 valid up to 31.03.2026
	D. Forest Clearance		Lr.No.8-109/2005 DT.02-05-2008
	E. Mining Lease		<p>Project Area falls in South Godavari Mining Lease and South Godavari Additional Mining Lease.</p> <p>1) As per 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) 1<sup>st</sup> renewal of South Godavari Additional ML as per approval of GOI Lr.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 31.03.2025**  
 Environment Clearance No. F.No.23-71/2018-IA (III), Dt:16.01.2023.

The Expert Appraisal Committee in its 35<sup>th</sup> meeting held on 26<sup>th</sup> – 27<sup>th</sup> 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**

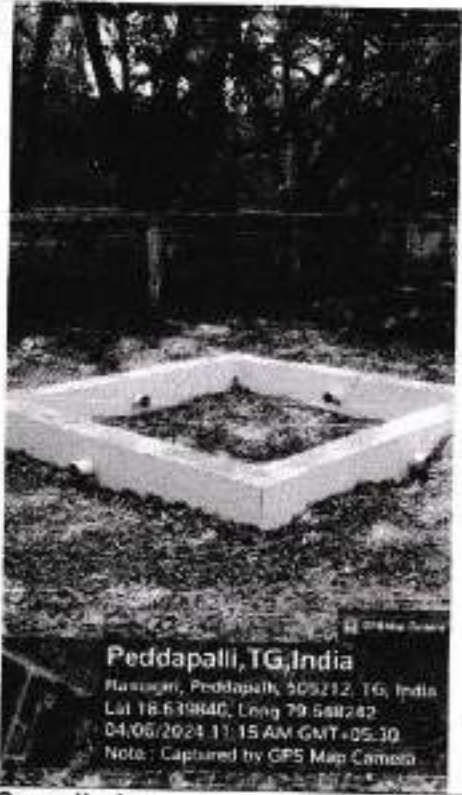
Specific Conditions			
Cond. No.	Condition		Compliance
i)	EAC recommended an amount of Rs.162.00 Lakh towards Remediation plan and Rs. 205 Lakh towards Natural and Community Resource Augmentation Plan, which should be spent within a span of 2 years. The details of Remediation plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan with budgetary provision are mention above.		<b>Complied.</b> All the Remediation plan and Natural & Community Resource Augmentation plan (RP and NCRAP) works completed with budgetary provision of Rs.367.00 Lakhs.  Details of RP and NCRAP works along with work order copies and payments details certified by accounts department is enclosed as <b>Appendix -13</b>
A.	Remediation plan along with the action plan with a budget of Rs. 162 Lakh.		
Sl. No.	Item description	Total Cost In lakhs	Latest Status
1a	Providing Wind Barrier / Greenbelt of 8m height for RG OCP-I CHP.	120.00	<b>Complied</b> Construction of wind barrier and Greenbelt of 8m height at RG OCP-I CHP for a length of 400 m completed.



			 <p><b>Peddapalli, TG, India</b>  Kannur, Peddapalli: 505214, TG, India  Lat: 18.667109, Long: 79.530049  01/19/2024 08:06 AM GMT+05:30  Note: Captured by GPS Map Camera</p>
1b	Plantation of total 3,000 nos. of native plants at Rs.1000 per sapling including maintenance for 3 years in nearby villages.	42.00	<p><b>Complied</b>  Plantation of more than 3000 native species in Julapalli, Mulkalpalli, Pannur, Nagepalli and Ratnapur villages completed.  <b>Appendix -14</b></p>  <p><b>Peddapalli, TG, India</b>  Attamangudi Mulkalpalli Road  Kannur, Peddapalli: 505214, TG, India  Lat: 18.662883, Long: 79.521961  01/22/2024 02:51 PM GMT+05:30  Note: Captured by GPS Map Camera</p>








**B. Natural Resource Augmentation Plan**

Sl. No	Item description	Total Cost In lakhs	Latest Status
2a	Providing rain water harvesting pits (2.5 m x 2.5 m x 2 m size) in surrounding villages and in SCCL lease area.	40.00	<p><b>Complied</b> Construction of 20 nos. of Rain Water Harvesting pits completed in the nearby Julapalli, Mulkalapalli, Pannur, Nagepalli and Ratnapur villages.</p> 
2b	Construction of two nos. of	30.00	<b>Complied</b>

	check dams across Bokkala Vagu.		<p>Constructed 2 nos. of check dams across Bokkala vagu</p>  <p>Peddapalli, TG, India Kamandur, Peddapalli, 505212, TG, India Lat 18.643912, Long 79.543449 08/19/2024 11:16 AM GMT+05:30 Note - Captured by GPS Map Camera</p>
2c	Providing 30 w pole mounted solar lights (complete set) in nearby villages @ Rs.28,000 per unit with three years maintenance.	22.68	<p><b>Complied</b> Provided 81 units of 30 W pole mounted solar lights in Julapalli, Mulkalapalli, Pannur, Nagepalli and Ratnapur villages.</p>  <p>Peddapalli, TG, India Julapally Panchathimmar Road, Kamandur, Peddapalli, 505214, TG, India Lat 18.655441, Long 79.518582 08/19/2024 10:22 AM GMT+05:30 Note - Captured by GPS Map Camera</p>

			
<b>C. Community Resource Augmentation Plan</b>			
Sl. No.	Item description	Total Cost In lakhs	Latest Status
3	Laying of CC Road	112.32	<p><b>Complied</b> Laying of CC Road in Julapalli Village for a length of 1.0 km and in Ratnapur for a length of 1.25 km has completed.</p>  <p>Peddapalli, T.G. India Julapally Freshwater Nagar Road, Kamarapur, Peddapalli, 505214, T.G., India Lat 18.660817, Long 79.516637 08/19/2024 10:22 AM GMT+05:30 Note : Captured by GPS Map Camera</p>
ii)	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 0416822BG0000560 dated 17.11.2022		<p><b>Complied</b> SCCL submitted BG to TSPCB for 3 years. All the RP&amp;NCRAP have been works completed.</p>



	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.	
iii)	Any connected proposal of expansion / amalgamation of this mine with other mines shall only be considered after 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.	<p><b>Agreed to Comply.</b></p> <p>SCCL proposed to amalgamate Ramagundam Opencast-I Coal Mine Project Expansion- Phase-II with the adjacent Ramagundam Opencast-II Coal Mine Extension Project (RG OC-II Ext.), Vakilpalli Mine sequentially (VKP Mine), Adriyala Shaft Underground Coal mining Expansion project (Adriyala Longwall Project)-ALP and closed Godavari Khani. No. 10 Incline (GDK-10 Inc.) projects under the name of RG Coal Mine for which MP&amp;MCP was approved by MoC, Gol. vide Lr. No. 55026/1/2020-CPAM dated 18<sup>th</sup> August, 2020, as RP&amp;NCRAP works completed and full compliance of existing EC conditions.</p>
iv)	PP shall implement in-pit conveyor system with silo loading facility till railway siding and No road transportation shall be allowed.	<p><b>Complied</b></p> <p>In-pit conveyor system has been implemented and coal is being transported to the SILO located at the CHP through a series of belt conveyors. From there, the coal is transported to customers by railway, with no transportation by road.</p> 
v)	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.	<p><b>Complied</b></p> <p>Tree implementation plan along the internal/approach road side of transportation route including has submitted to IRO, MoEF&amp;CC, Hyderabad, vide Lr. No. RG-III/OCM-I/AGT1/78/2023/49, dt. 15.03.2023 along with KML plan to justify the adequate tree implementation. A copy of letter is enclosed as <b>Appendix-15</b></p>
vi)	Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution	<p><b>Complied.</b></p> <p>Ground water clearance was obtained from State Ground Water Authority Vide Memo No. 231/Hg-I/NOC</p>

	Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.	Mines/PDPL/2025, Dt.08.05.2025 and is valid up to 07.05.2027.. <b>Appendix-16.</b>  CTO obtained from TSPCB vide Order No. 20234660523, dated 19.10.2023 and valid up to 31.03.2026 enclosed as <b>Appendix-17.</b>
vii)	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.	<b>Complied</b> 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 (copy is enclosed) <b>Appendix-18</b>
viii)	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	
ix)	PP shall engage third party independent expert agency for monitoring / auditing of compliance of EC conditions every year.	<b>Being Complied.</b> Third Party Environmental audit was conducted by CSIR-NEERI for the year 2024 and a reconnaissance survey is scheduled during April 1 <sup>st</sup> week for the 2025 audit year.
x)	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.	<b>Complied</b> No village is road is being used for transport of coal and it is being transported to the SILO located at the CHP through a series of belt conveyors. From there, the coal is transported to customers by railway mode. Transport route layout in PDF
xi)	Effective dust suppression system shall be adopted at the transportation	<b>Complied</b> Effective dust suppression system is



site and in the other parts of the mining lease to arrest the fugitive dust emission.

being implemented within mine lease area including transportation site to control the fugitive dust emissions. Regular water spraying is being carried out along haul roads, approach roads, loading points using sufficient water sprinklers with a capacity of 28 KL (9 No's) and 10 KL (5 No's) water tankers for dust suppression.

Water/mist spraying arrangements with interlock arrangement have been provided at loading, unloading and transfer points along belt conveyors. Additionally, 2 nos. of fog canons have also been installed at RG OCP-I, CHP to control fugitive dust emissions effectively.



xii)

Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities /department.


**Complied.**

SCCL has been obtained all the necessary 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. **(Appexndix-19)**

Forest Clearance: Stage-II Forest Clearance was obtained for entire 15.64 ha of forest land vide FC

		<p>Lr.No.F.No.8-109/2005-FC, dated 02.05.2008 and valid up to 01.05.2028. (Appexndix-20)</p> <p>CFE obtained vide Order No. 04/TSPCB/CFE/RO-RGM/HO/2023, dt.29.04.2023. (Appexndix-21)</p> <p>CTO obtained from TSPCB vide Consent Order No. 20234660523, dated 19.10.2023. (Appexndix-17)</p> <p>Ground water clearance was obtained from State Ground Water Authority Vide Memo No. 231/Hg-I/NOC Mines/PDPL/2025,dt.08.05.2025 Valid up to 07.05.2027. (Appexndix-16)</p> <p>DGMS permissions enclosed. (Appexndix-22)</p>
xiii)	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.	<p><b>Complied</b></p> <p>Established Continuous Ambient Air Quality Monitoring Station (CAAQMS) in the core zone as well as in buffer zone for air quality monitoring and online water quality monitoring system for water quality. The monitored results are being displayed outside main gate of the mine.</p> 
xiv)	In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities for community development under EMP.	<p><b>Complied</b></p> <p>As per EMP, all the community development activities have been completed with an expenditure of Rs.75,00,000/-. Activity wise works taken up along with expenditure is enclosed as Appendix-23.</p>
xv)	PP shall plant additional 2000 numbers of native / fruit bearing plants around the colony/ guest house in before commencement of monsoon and furnish the detail within 3 months to the respective IRO, MoEF&CC.	<p><b>Complied</b></p> <p>Additional plantation with more than 2000 nos. of native/fruit bearing plants around the colony/guest house was completed and the details were submitted to IRO, MoEF&amp;CC along with half yearly monitoring report</p>
xvi)	PP must obtain 4.5-star rating of MoC in the year 2023-24 and report shall be submitted to IRO.	<p><b>Complied</b></p> <p>MoC, Gol has accorded 5 star rating in the year 2023-24 to the project and the report has been submitted to IRO along with HYMR. A copy of certificate is attached as Appendix-24</p>
xvii)	Periodical health check-up shall be	<b>Being Complied</b>



conducted to monitor the 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.

Health check-ups are being conducted periodically in the core zone and buffer zone to monitor the impact of heavy metals in air quality. Also, monitoring the heavy metals in the RPM for core zone and buffer zone are being monitored as a part of post project environmental monitoring and the monitored results are well within the standards.



xviii)

Hon'ble Supreme Court in an Write petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgment dated 8<sup>th</sup> 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 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.

#### Agreed to Comply

As per the EMP progressive reclamation activities are being carried out and so far 236.30 Ha ha plantation was done.

Further, it is proposed to amalgamate Ramagundam Opencast-I Coal Mine Project Expansion- Phase-II with the adjacent Ramagundam Opencast-II Coal Mine Extension Project (RG OC-II Ext.), Vakilpalli Mine sequentially (VKP Mine), Adriyala Shaft Underground Coal mining Expansion project (Adriyala Longwall Project)-ALP and closed Godavari Khani. No. 10 Incline (GDK-10 Inc.) projects under the name of RG Coal Mine for which MP&MCP was approved by MoC, Gol. vide Lr. No. 55026/1/2020-CPAM dated 18<sup>th</sup> August, 2020. Reclamation works will be carried out as per the obtained EC and approved MP&MCP of RG Coal Mine.

Appexndix-25


#### Standard Conditions

#### (a). Statutory compliance

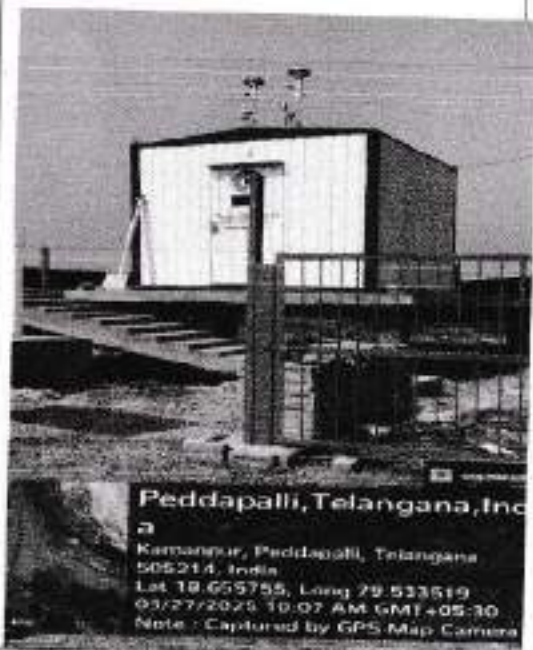
Cond. No.	Condition	Compliance
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	<b>Complied</b> Forest Clearance was obtained for entire 15.64 ha of Forest Land, vide FC Lr.No.F.No.8-109/2005-FC, dated 02.05.2008 and is valid up to 01.05.2028. (Appexndix-20)
(ii)	The project proponent shall obtain	<b>Complied</b>

	clearance from the National Board for Wildlife, if applicable.	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
(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).	<b>Complied.</b> Wild Life Conservation Plan and mitigation measures is prepared for Scheduled – I species and approved by the PCCF Vide Lr. RC. No. 812/S4/2020, dated 11.04.2025 for an amount of Rs.139.34 Lakhs An amount of Rs.164.34 was deposited in favor of Wild life conservation plan, Peddapalli For implementation of the Wildlife conservation plan, SCCL deposited Rs.171.34 lakhs was deposited in favor of "Forest Bio-Diversity conservation society of Telangana" Mancherla vide ltr no RG1/EST/KWLS/246, Dt: 02.05.2023. Payment details – <b>Appendix-26</b>
(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.	<b>Complied</b> Obtained Consent to Establish vide order No. 04/TSPCB/CFE/RO-RGM/HO/2023, dated 29.04.2023. ( <b>Appendix-21</b> ) CFO is obtained vide Order No. 20234660523 dated 19.10.2023 and is valid up to 31.03.2026. ( <b>Appendix-17</b> )
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	<b>Complied.</b> Ground water clearance Memo No. 231/Hg-I/NOCMiners/PDPL/2025, dated.08.05.2025.
(vi)	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	<b>Being Complied</b> About 7.607 M.Cum of over burden extracted from the project of which 4.889 M.Cum was dumped in earmarked external dumps in an area of 30.72 ha and 2.719 M.Cum was dumped in the internal dump (Back filling) in an area of 47.82 ha. Other 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. 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 will be handled and disposed off in accordance with the procedure laid down in HWM Rules, 2016.



		Used oil, spent oil, batteries and copper cables shall be disposed off to the recyclers having valid registration from CPCB/TSPCB for recycling or recovery, whereas the empty oil and grease barrels will be detoxified prior to their disposal to outside agencies.
<b>(b)</b>	<b>Air quality monitoring and preservation</b>	
<b>(i)</b>	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 PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> . 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><b>Complied</b></p> <p>Continuous Ambient Air Quality Monitoring Stations as prescribed in the statute have established in the core zone for monitoring of pollutants, namely PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>. (Data – Appendix-12)</p> <p>Locations of the stations have been identified 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 PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> 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&amp;CC.</p> <p>Core Zone</p>   <p>Buffer zone CAAQMS</p>








(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 25<sup>th</sup> 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




Ambient air quality monitoring in the core zone as well as in the buffer zone is being carried out through external agency M/s. Environment Protection Training and Research Institute (EPTRI), Hyderabad, which is a CPCB, recognized and NABL accredited laboratory. A Regional Laboratory has been established by EPTRI at Ramagundam 1 area for analysis of critical parameters in the field.

The data on ambient air quality and heavy metals are being submitted along with half yearly reports to the ministry and its regional office of MoEF&CC. The latest heavy metal monitoring data is enclosed at

(iii)	<p>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.</p>	<p><b>Appendix-15.</b>  <b>Complied</b>  Coal is being transported to the SILO located at the CHP through a series of belt conveyors. From there, the coal is transported to customers by railway, with no transportation by road.</p>  <p>Water/mist spraying arrangements and 2 No. of fog canons area provided at RG OC-I CHP.</p>   <p>Regular water spraying is being carried out along haul roads, approach roads, loading points using sufficient water sprinklers with a capacity of 28 KL (9 No's) and 10 KL (5 No's) water tankers for dust suppression.</p> <p>Water/mist spraying arrangements with interlock arrangement have</p>
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		<p>been provided at loading, unloading and transfer points along belt conveyors. Additionally, 2 nos. of fog canons have also been installed at RG OCP-I, CHP to control fugitive dust emissions effectively.</p> <p>It has been ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.</p>
(iv)	<p>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.</p>	<p><b>Complied</b></p> <p>Coal is being transported to the SILO located at the CHP through a series of belt conveyors. From there, the coal is transported to customers by railway, with no transportation by road.</p>
(v)	<p>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.</p>	<p><b>Being Complied.</b></p> <p>Vehicular emissions are being kept under control and the periodic planned preventive maintenance &amp; engine tuning of HEMM and other transport vehicles was done at regular intervals as per schedules submitted by OEM to keep the vehicular emissions under control.</p> <p>Vehicular emissions of departmental HEMM, being operated by Diesel were monitored at every six months interval through EPTRI, Hyderabad, which is a CPCB, recognized and NABL accredited laboratory. <b>(Appendix-3)</b></p> <p>PUC(Pollution Under Control) certificates for OB contractual vehicles and Coal transport vehicles were obtained by respective contractual agencies from the authorized pollution testing centers.</p> <p>(Presently we are not testing private vehicles)</p>



		
(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.	<p><b>Being Complied</b></p> <p>Coal stock pile/crusher/feeder and breaker material transfer points are provided with dust suppression system. Belt-conveyors are 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.</p> 
(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.	<p><b>Being Complied.</b></p> <p>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</p> 
(c)	<b>Water quality monitoring and preservation</b>	
(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 25 <sup>th</sup> September, 2000 and as amended from time to time by the Central Pollution Control Board.	<p><b>Being Complied</b></p> <p>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 25<sup>th</sup> September, 2000 and as amended from time to time by</p>

the Central Pollution Control Board. The latest effluent monitoring report is enclosed at **Appendix-12**.



(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 27<sup>th</sup> May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.

**Agreed to Comply**

The monitoring data is being uploaded and displayed on the company's website. Website link

The circular No.J-20012/1/2006-IA.11 (M) dated 27<sup>th</sup> May, 2009 issued by Ministry of Environment, Forest and Climate Change is being complied.

(iii)


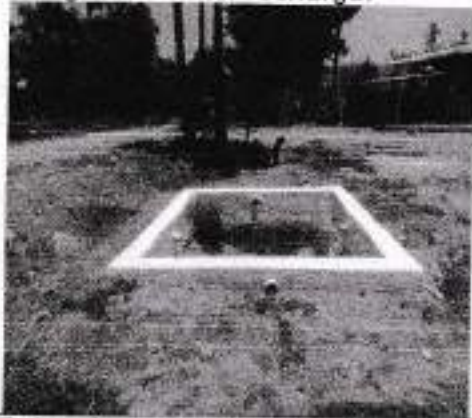
Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, 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 MOEF&CC/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 wells (8 nos.) and piezometers (3 nos.)

The latest ground water quality report is enclosed at **Appendix -2**.



		
(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><b>Being Complied.</b> 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. The last surface water quality report is enclosed at Appendix -1.</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><b>Being Complied.</b> Only seepage water pumped out of the project is being utilized for mining operations. 15 nos. of RWHS in Project Area and 110 nos. of Rainwater harvesting pits have constructed in surrounding villages for augmentation of ground water resources 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	<p><b>Being Complied</b> Catch and/or garland drains for a length of 7.88 km is made around the quarry and dump yards. Three 8 no's of siltation ponds with 30m x 20m x 2m and one no. with 20m x 10m x 2m 4nos dimensions are constructed around the mine workings, coal yard &amp; OB dumps to prevent run</p>

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.

off of water and flow of sediments directly into the nearby tanks and water bodies.

The drains and settling ponds are being regularly de-silted and properly maintained.

About 2.5 Km length of Toe Wall is constructed around the External and Internal dump yards.

Plantation of about 236.30 ha was carried out in the project area within the following native species.

**Species planted:**

**Species list**



Settling pond



Garland drain

(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).




**Being Complied.**

15 nos. of RWHS in Project Area and 110 nos. of Rainwater harvesting pits have constructed in surrounding villages for augmentation of ground water resources


Constructed 2 nos. of check dams across Bokkala vagu under RP&NCRAP.

The excess mine water after treating and meeting the stipulated norms is



		being discharged into nearby Bokkala Vagu for irrigation and ground water recharge.
(viii)	<p>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><b>Being Complied.</b></p> <p>Two ETPs one at CHP and another at Base Workshop have been provided for workshop and 7 nos. of settling ponds have been made for removal of coal fines and suspended solids. STP (1.5 MLD) capacity is constructed in SCCL's Srilanka colony for treating colony effluent.</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.	<b>Being Complied.</b> The water pumped out from the mine, after siltation, is being utilized for industrial purpose viz. dust suppression, watering the mine area, roads, green belt development etc. The drains are being regularly desilted particularly before and 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.	<b>Being Complied.</b> 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.
(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.	<b>Not applicable.</b> There are no rivers in and around the mine.
(d)	<b>Noise and Vibration monitoring and prevention</b>	
(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	<b>Being Complied</b> Adequate measures are being taken for control of noise levels at work environment as per Noise Pollution Rules, 2016. 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

	awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	<p>prescribed norms and guidelines in this regard.</p> <p>Last 6 months PPEs issued status is enclosed as <b>Appendix-27</b></p> <p>Adequate awareness programme for users is being conducted. Progress in usage of such accessories is being monitored.</p> <p>Attach awareness program photos enclosed as <b>Appendix-28</b></p> <p>Thick Green Belt has been developed around the project for noise attenuation.</p> <p>The noise quality report is enclosed at <b>Appendix-13</b></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><b>Being Complied.</b></p> <p>Controlled blasting technique with NONELS is being carried out to mitigate ground vibrations, fly rock, noise and air blast etc., as per the guidelines prescribed by the DGMS. Regular monitoring has been carried out by recording the blast induced ground vibrations in terms of Peak Particle Velocity (PPV), which are well below the permissible limits. Steps were taken to limit the PPV within the permissible limits. The PPV data is enclosed as <b>Appendix-29</b></p>
<b>(e)</b>	<b>Mining Plan</b>	
(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><b>Being Complied.</b></p> <p>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>
(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><b>Being Complied.</b></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 and also abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).</p>
(iii)	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	<p><b>Complied</b></p> <p>Mining operations were commenced only after diversion of entire Forest land, vide Forest Clearance Lr.No.8-109/2005, dated 02-05-2008. (<b>Appendix-20</b>)</p>
(iv)	Efforts should be made to reduce energy and fuel consumption by	<b>Being complied</b>



conservation, efficiency improvements and use of renewable energy.

The following energy conservation measures are being taken up:

1. Solar Power:

In SCCL, 245.50 MW capacity Solar plants are synchronized so far.

Further, 286.50 MW Capacity Solar plants are proposed by 2027-28 for SCCL requirements.

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.



2. Fixing of Energy Meters:

- 25000 nos. fixed in the quarters of SCCL.
- Target to fix in all 43,000 No. of SCCL quarters

3. Lighting:

- Incandescent lamps are banned in quarters.
- Steps are being taken to replace LED lamps in place of Incandescent lamps.
- Conventional street / yard lighting is being replaced with LED lights.

4. Energy efficient appliances:

- Made mandatory to purchase, 5 star rated household appliances.
- Purchased 5 star rated Air conditioners, Refrigerators, Fans, Coolers etc., in SCCL and also made propaganda among the employees.

5. Others:

- 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.
- To effective utilization of day light,



		transparent acrylic sheets are being fixed as roof top for buildings. • Using timers in street lighting in all Areas.
(f)	<b>Land reclamation</b>	
(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(MOEFC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	<b>Being Complied.</b> Land use Land cover study of core & buffer zone was carried out in in February-2025 by M/s. Greencindia Private Ltd. New Delhi and the draft report is awaited.
(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.	<b>Agreed to Comply.</b> It is proposed to amalgamate Ramagundam Opencast-I Coal Mine Project Expansion- Phase-II with the adjacent Ramagundam Opencast-II Coal Mine Extension Project (RG OC-II Ext.), Vakilpalli Mine sequentially (VKP Mine), Adriyala Shaft Underground Coal mining Expansion project (Adriyala Longwall Project)-ALP and closed Godavari Khani, No. 10 Incline (GDK-10 Inc.) projects under the name of RG Coal Mine for which MP&MCP was approved by MoC, GoI. vide Lr. No. 55026/1/2020-CPAM dated 18 <sup>th</sup> August, 2020.  After obtaining EC for the proposed RG Coal Mine the final mine void will be maintained as per the approved MP&MCP of RG Coal Mine.
(iii)	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	<b>Being Complied.</b> Progressive reclamation of the degraded land in the project is being taken up in the project as per the approved Mining Plan and EIA/EMP.  So far 7.607 M.Cum of over burden extracted from the project of which 4.889 M.Cum was dumped in earmarked external dumps in an area of 30.72 ha and 2.719 M.Cum was dumped in the internal dump (Back filling) in a area of 47.82 Ha.



So far, Plantation has been done in a total area of 236.30 ha concurrently with the progress of mine.

(iv)

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.

**Agreed to comply.**

As per S.O.5481(E), dated 31.12.2021 issued by the MoEF&CC, GoI, a committee headed by Chairperson of CPCB, representatives of MoEF&CC, MoC, MoP, DGMS and IBM was constituted to identify mines (Both underground and opencast) for fly ash utilization.


The committee in its meeting opined that, in running mines, fly ash filling is not possible due to safety issues as per various studies conducted by CIL and advised to fill ash in the abandoned mine voids. Guidelines in this regard are awaited. All the directions/guidelines stipulated by the Committee with regard to utilization of fly ash will be implemented.

Further, MoEF&CC also advised SCCL to conduct a scientific study through CSIR- Central Institute of Mining and Fuel Research (CIMFR), Dhanbad in one of its opencast mines i.e., Manuguru Opencast Project to ascertain the stability of overburden dumps by mixing of fly ash.


CSIR-CIMFR submitted its final draft report on 27.02.2024. As per the report, it is not advisable and feasible to use 25 % of Ash and 75 % of Overburden in external as well as in internal dumps of MNG OCP both under present and post mining scenario. Further, CSIR-CIMFR will submit its final report within a short period.




Based on the report findings, SCCL will request MoEF&CC for exempting the EC condition regarding usage of fly ash in dumps and back filling operations in the running mines of SCCL.



		<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 112.83 Lakh Cu.m of ash has been utilized for this purpose.</p>
(v)	<p>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>The topsoil is being temporarily stored at earmarked site and is being used for land reclamation and plantation purposes. OB dump is being stabilized with native grass species like <u>Hamato grass</u> 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. Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining.</p>  <p>Further, RG OC-I Exp. Phase-II OCP is proposed to amalgamate with the adjacent RG OC-II Ext., ALP, VKP UG Mine (sequentially) and GDK-10 Inc. (closed Mine) under the name of RG Coal Mine. After obtaining EC for the proposed RG Coal Mine the reclamation works will be carried out as per the approved RG Coal Mine MP&amp;MCP.</p>
(vi)	<p>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><b>Complied</b> Not applicable as no grazing land involved in the project.</p>
(g)	<p><b>Green Belt</b></p>	
(i)	<p>The project proponent shall take all</p>	<p><b>Complied.</b></p>



	<p>precautionary measures during mining operation, for conservation 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>All precautionary measures are being taken during mining operation for conservation 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>Wild Life Conservation Plan and mitigation measures is prepared for Scheduled – I species and approved by the PCCF Vide Lr. RC. No. 3505/2020/WL-1, dated 08.04.2021 for an amount of Rs.335.68 Lakhs</p> <p>An amount of Rs.164.34 was deposited in favor of Wild life conservation plan, Peddapalli</p> <p>For implementation of the Wildlife conservation plan, SCCL deposited Rs.171.34 was deposited in favor of "Forest Bio-Diversity conservation society of Telangana" Mancherial vide ltr no RG1/EST/K/WLS/826, Dt: 24.09.2022 &amp; ltr no RG1/EST/K/WLS/246, Dt: 02.05.2023</p> <p><b>Appendix-26</b></p>
(ii)	<p>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><b>Complied</b></p> <p>Greenbelt comprising a mix of native species (endemic species) consisting of 3 tier plantation of width not less than 7.5 m is developed all along the mine lease area and all along the major approach/coal transportation roads.</p> 

		<p>Plantation along the approach road to RG OC-I</p>   <p>The Plantation plan is enclosed as Appendix-30</p>
<b>(h)</b>	<b>Public hearing and Human health issues</b>	
(i)	<p>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 &amp; it's RO on six-monthly basis.</p>	<p><b>Being Complied.</b> Adequate illumination is being maintained in the mine as per DGMS standards and monitored weekly.</p> 
(ii)	<p>The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining</p>	<p><b>Being Complied.</b> 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 maintenance of health care facilities during 2023-24 is Rs.307.00</p>

operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.

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.

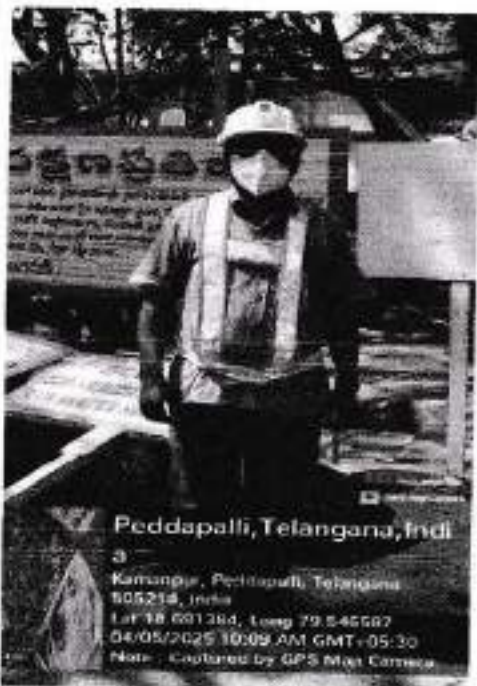
All the PME Doctors employed except gynecologists, pediatricians, surgeons and ortho surgeons are trained to read PME X-Rays in accordance with ILO classification of Pneumoconiosis.


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




		<p>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>Health checkup October 2024 to March 2025 -168 persons.</p>
(iii)	<p>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><b>Being Complied.</b></p> <p>Persons including outsourced employees are being provided with dust masks and adequate training and information on safety and health aspects is being imparted.</p> 

		 <p><b>Peddapalli, Telangana.</b> a Kamanpur, Peddapalli, Telangana 505214, India Lat 18.669600, Long 79.534686 04/05/2025 10:16 AM GMT+05:30 Note: Captured by GPS Map Cam</p>
		Photographs of wearing dust masks while working
(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><b>Being Complied.</b> Action plan on the issues raised during the public hearing has been 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&amp;R is involved in this project</p>
(v)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29 <sup>th</sup> 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><b>Being Complied</b> The mitigation measures provided in Ministry's OM.No.Z-11013/5712014-IA.II(M) dated 29<sup>th</sup> October, 2014, are being complied with.</p>
(j)	<b>Corporate Environment Responsibility</b>	
(i)	Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 30 <sup>th</sup> September, 2020 and based on commitment made during public consultation process for incorporating in EIA-EMP for deliberation of EAC.	<p><b>Being Complied.</b> Fund allocation Rs 79 lacks has been made for the commitments made during public hearing and the same is incorporated in the EIA/EMP and the works also completed.</p>

(ii)	<p>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/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.</p>	<p><b>Complied.</b> The company is having a well laid down environmental policy duly approved by the Board of Directors. 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. The company is having a defined system of reporting infringements/deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholders/stake holders. The environment policy of SCCL.</p>																														
(iii)	<p>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><b>Complied</b> 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. An area level environmental cell headed by qualified environmental officer is established and functioning under the control of area General Manager to monitor and guide in implementation of the environmental safeguards. Apart from this, 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. Being Complied.</p> <table border="1" data-bbox="884 1435 1378 1993"> <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&amp;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> </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
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		<table> <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> </table>	11.	Area Env. Officer	Secretary	12.	Sr. Hydro Geologist	Member	13.	Area Survey Officer	Member
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(iv)	<p>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.</p>	<p><b>Complied.</b> 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.</p>									
(v)	<p>Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</p>	<p><b>Complied.</b> Self environmental audit is being done annually at area level by the committee. Formation of audit cell <b>Appendix-31</b></p>  <p>Third Party Environmental audit was conducted by CSIR-NEERI for the year 2024 and a reconnaissance survey is scheduled during April 1<sup>st</sup> week for the 2025 audit year and completed.</p>									
(i)	<b>Miscellaneous</b>										
(i)	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p>	<p><b>Complied</b> The advertisement regarding grant of Environmental Clearance to this Project was published in two local news papers within seven days of grant of EC i.e. in news papers "<b>The Hans India (English)</b>" on <b>21.01.2023</b> &amp; <b>Namaste Telangana (Telugu)</b> on <b>21.01.2023</b>. A copy of the Environmental clearance was also displayed in the SCCL's website permanently <a href="https://scclmines.com/env/docs/ECS/20015.pdf">https://scclmines.com/env/docs/ECS/20015.pdf</a>. A copy of the Environmental clearance was submitted to Telangana</p>									

## State Pollution Control Board



THE ANANDRAJ GUPTA GROUP OF INSTITUTIONS  
(A Government Company)  
Regd. Office: KOTHAGUDEM - 507101, Telangana.

## PUBLIC NOTIFICATION

[illegible]

Further in compliance to the condition No. 4.1.1.1.1, the copies of the Declaration of Compliance (DOC) shall be submitted to the Ministry of Labour, Provincial and Municipal Offices by registered mail within 15 days of the date of the audit.

POSTAGE WILL BE PAID BY ADDRESSEE

U.S. GOVERNMENT PRINTING OFFICE: 1994

16. *Environ. Health Perspect.* 1997;105:1031-1035.

PROJECT: *...*  
REGION: *...*

## Appendix-27




PROJECT OFFICE  
ROOM 101


(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.

**Complied.**

		 <p>This condition was complied immediately after receiving EC from MoEF&amp;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.</p> <p><b>Appendix-33</b></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><b>Being Complied.</b></p> <p>The status of compliance of the stipulated environment clearance conditions, including monitored data are being uploaded on SCCL website and updating the same on half-yearly basis.</p> <p>Compliance report:  <a href="https://scclmines.com/env/docs/ECS/200151.pdf">https://scclmines.com/env/docs/ECS/200151.pdf</a></p> <p>Monitoring report:  <a href="https://scclmines.com/env/docs/ECS/200152.pdf">https://scclmines.com/env/docs/ECS/200152.pdf</a></p>
(iv)	The project proponent shall monitor the criteria pollutants level namely: PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels) or critical sectoral 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><b>Being Complied.</b></p> <p>The criteria parameters like PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels) indicated for the projects are being monitored and displayed at the project site for disclosure to the public and monitored data is being uploading to the company website along with HYMR report</p> <p><a href="https://scclmines.com/env/docs/ECS/200152.pdf">https://scclmines.com/env/docs/ECS/200152.pdf</a></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><b>Being Complied.</b></p> <p>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>Latest HYMR report was submitted in Parivesh vide Lr. No. RG-III/ENV/03/2024/99, dt.29.11.2024.</p>
(vi)	The project proponent shall follow the	<b>Being Complied</b>



	mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29 <sup>th</sup> 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'.	The mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29 <sup>th</sup> 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 implemented.
(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>Being Complied.</p>  <p>The Environmental statement for each financial year ending 31 March in Form-V is being submitted by the project authority to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, and uploaded on the company's website along with the status of compliance of EC conditions vide ref no RG-III/ENV/37/2024/80 dated 21.09.2024</p> <p><b>Appendix-34</b></p>
(viii)	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	<p>Complied.</p> <p>The condition is noted and assured to abide the condition</p> <p>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 mining operations has been communicated through half yearly reports.</p> <p>Vide letter no- RG-III/ENV/03/2024/99, dt.29.11.2024 project authorities informed to the Regional Office of the MoEF&amp;CC regarding commencement of mining operations.(this is covering Ir. Of HYMR submission)</p>

		
(ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<p>Being Complied</p> <p>Stipulations made by the State Pollution Control Board and the State Government are being adhered to.</p>
(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>Being 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>
(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 to Comply.</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 to Comply.</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 to Comply.</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 to Comply.</p> <p>PP agreed to comply any additional conditions are stipulated by the Ministry.</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>Being Complied.</p> <p>Project authorities are being extended full co-operation during the visits of the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p>
(xvi)	The above conditions shall be enforced, inter-alia under the provisions of the Water	<p>Agreed to Comply.</p> <p>All the measures are being taken to</p>

	(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.	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. 550200492410000028 which is valid up to 01.05.2025.(this is for RG SMS plant) <b>Appendix-35</b>
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.	Being Complied. All The commitments and recommendations made in the EIA/EMP report, during Public Hearing and also that during their presentation to the Expert Appraisal Committee are being implemented
7.	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.	Complied.  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.
9.	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 to Comply. No appeal against this environmental clearance lies with the National Green Tribunal.
11.	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 2 <sup>nd</sup> August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.	Agreed to Comply. The condition is noted and assured to abide the condition No illegal mining is done in this project.
13.	The concerned State Government shall ensure no mining operations to commence till the entire compensation for	Not applicable. No illegal mining is done in this project.



	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.	Agreed to Comply.
15.	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.	Agreed to Comply. The condition is noted and assured to abide the condition.
	As per MoEF & CC O.M.No.22-34/2018-IA.III Dated:16.01.2020 "The mining lease holders shall, after ceasing mining operations undertake regressing the mining area and other 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"	Agreed to Comply. At the end of mining operations, the mining areas and other areas were disturbed due to mining will be regress restored to the land to condition which is fit for grown of fodder, flora, fauna etc"

*Prasanna*  
**PROJECT OFFICER**  
 Project Officer  
 RG-CCM, RG-3  
 RG-CCM, RG-III.