



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), TELANGANA)

To,

The Director (Planning & Projects)
THE SINGARENI COLLIERIES CO LTD
Kothagudem P.O -507101 Bhadradi Kothagudem District -507101

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/TG/CMIN/436751/2023 dated 15 Jul 2023. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC23B001TG133926 |
| 2. File No. | SIA/TG/CMIN/436751/2023 |
| 3. Project Type | Expansion |
| 4. Category | B |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Srirampur-3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project |
| 7. Name of Company/Organization | THE SINGARENI COLLIERIES CO LTD |
| 8. Location of Project | TELANGANA |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 29/07/2023

(e-signed)
Smt. Sunita M. Bhagwat, IFS
Member Secretary
SEIAA - (TELANGANA)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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1. This has reference to your application submitted online on 15.07.2023 (Proposal No. SIA/TG/CMIN/436751/2023) (EC Violation) accepted on 18.07.2023 seeking Environment Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986 for Srirampur - 3&3A (SRP-3&3A) Underground Coal Mining Project for a capacity of 0.40 MTPA in an area of 299.00 ha. Sy. No.s Survey No's: Naspur (72), Thallapalli (35), Theegalpahad (33,35, 36,37,38,39,49,50,51,52,53,54,56,65,66), Compartment No's (Indaram RF): 705, 708, 709 & 710 of M/s Singareni Collieries Company Limited at Village Srirampur, Mandal Naspur and District Mancherial (Telangana State).
2. The project/activity is covered under category 'B' of item 1 (a) 'Mining of Minerals' the Schedule to the EIA Notification, 2006 and its subsequent amendments.
3. The proposal was considered by the State Expert Appraisal Committee (SEAC), Telangana State involving violation of EIA Notification, 2006 and its subsequent amendments in its 250th meeting held on 21.07.2023. The details of the proposal, as per the documents submitted by the project proponent, and as revealed from discussions held during the meeting, are given as under:-
 - (i) The project area is covered under Survey of India Topo sheet No. 56 N/9 and is bounded by the geographical coordinates ranging from latitudes 18° 50' 53" to 18° 52' 15" North and Longitudes: 79° 29' 30" to 79° 31' 06" East.
 - (ii) Coal linkage of the project is as per the fuel supply agreement to thermal power plants, other industries etc.
 - (iii) The Project is not located in the Critically Polluted Area (CPA), where the MoEF&CC Vide its O.M. dated 13th January, 2010 has imposed moratorium on grant of environment Clearance.
 - (iv) Cost of the project (in Rs. Crores): 23.17
 - (v) Employment generated: 1194 Nos.
 - (vi) Joint venture: No Joint venture
 - (vii) The project is reported to be beneficial in terms of socio-economic and improving living standards.
 - (viii) SRP - 3&3A Incline Underground Coal Mine project was started in the year 1988 and coal production started from financial year 1988-89. Earlier Environmental Clearance was obtained from MoEF&CC vide letter No: J-11015/305/2007-IA, II(M) dated 27.10.2008 for a capacity of 0.40 MTPA with project area of 299 ha.
 - (ix) The present proposal is for obtaining Environment Clearance for SRP - 3 & 3A Incline, under violation category, for an annual coal production capacity of 0.40 MT in a project area of 299.00 ha as per the MoEF&CC issued notification vide S.O. No. 804 (E), dated 14.03.2017 and its subsequent amendments for obtaining EC under violation category.

- (x) Accordingly, application was submitted on 09.04.2018 for obtaining EC for a production capacity of 0.40 MTPA in a project area of 299.00 ha under the name of Srirampur-3 & 3A (SRP-3&3A) Incline underground coal mine expansion project.
- (xi) MoEF&CC granted ToR for the project vide F.No. 23-252/2018-IA-III(V) dated 13.12.2019, Public Hearing was conducted on 11.04.2023 and Final EIA/EMP report was submitted to MoEF&CC for grant of EC on 15.07.2023.
- (xii) Type of Mine: (Opencast / Underground / mixed) : Underground Coal Mining Project
- (xiii) Capacity of the mine applied for : 0.40 MTPA
- (xiv) ML Area: The project (299.00 ha.) falls in Srirampur mining lease (155.20 ha.), North Godavari mining lease (119.72 ha) and Indaram mining lease (24.08 ha)
- (xv) Forest Land and Clearance details: Total Forest Land involved in the project is 76.00 ha. of which 35.00 ha of forest land was diverted with underground rights vide on G.O. Ms. No. 73 dated 23-08-2013, Co-terminus with North Godavari Mining Lease and remaining 41.00 ha, was diverted with underground rights vide on G.O. Ms. No. 49 dated 10.05.2005, Co-terminus with Srirampur Mining lease.
- (xvi) Date of approval of mine plans, status & date: Mining Plan & Mine Closure Plan was approved by MoC vide Lr No 13016/10/2006-CA-II on 25.11.2014.
- (xvii) Date of Ground Water Clearance: Ground water clearance was obtained from State Ground Water Department on 25.08.2005. Approval of new ground water clearance is in process.
- (xviii) Existing Ground water level in (M) (Depth from surface) : Pre-monsoon: 1.55m- 13.28m; Post-monsoon : 0.92 m-7.13m.
- (xix) Technical Details : Geological Reserves (MT): 39.03, Extractable Reserves (MT): 14.69; Balance Extractible Reserves (MT) (as on 31.03.2022): 5.012
- (xx) Total estimated water requirement: 258 KLD for mine use like domestic (100 KLD), Plantation (80 KLD), Stowing (28 KLD) and dust suppression (50 KLD) and 2340 KLD after treating in slow sand filter bed are being supplied to the SCCL townships and nearby villages for domestic use.
- (xxi) Details of Seams: 8 seam with working thickness ranging from 0.90m to 6.40 m. Working depth: 30.0 m to 240.00m.; Average Grade of coal: G-10;.
- (xxii) Method of mining: Coal being extracted by adopting semi- mechanized Board and pillar method of mining with Hydraulic stowing with SDLs.
- (xxiii) Life of mine : 13 Years (from 2023-24)
- (xxiv) The environmental baseline data was collected during summer season (October-2020 to Dec-2020) and the results are within the limits.
- (xxv) Certified Compliance from Ministry's Regional office on the existing EC obtained on 07.11.2022.

- (xxvi) Utilization potential of wastes: Within the mine, the solid waste generated during tunnelling, shaft sinking, etc. inside the mine. The separation of shale/stones etc. will be done at CHP.
- (xxvii) Efforts made by proponent: The solid waste produced during drivage of tunnels and debris so produced from inter-seam drifts was utilized for underground track ballasting, levelling of the uneven floors and strengthening of surface bank head. Since, the mine is under operation 1988; no appreciable quantity of solid waste is anticipated in future.

(xxviii) **Details of Land usage:**

Pre-mining:

Type of Land	Area in ha
Forest Land	76.00
Private land	23.15
Govt. land	13.27
SCCL acquired Land	186.58
Total area	299.00

Post Mining Land Use:

S.NO	Description	Area (Ha)
1.	Reclamation of part of Residential colony and Hutment area by Plantation	41.88
2.	Reclamation of area by Plantation	51.70
3.	Reclamation of sand stockyard by Plantation	50.92
4.	Total Reclaimed Land (1+2+3)	144.50
5.	Undisturbed SCCL acquired land with Residential colony and Hutment	42.08
6.	Sub Total - SCCL acquired land/ non-Forest land (4+5)	186.58
7.	Forest Land/Undisturbed	76.00
8.	Others/Undisturbed/Govt. land	36.42
	Grand Total (6+7+8)	299.00

Core Area (Present Land Use):

SI. NO.	Description	Area (Ha)
1	SCCL Acquired Land	186.58
	<i>Land used for Residential colony and Hutment area</i>	83.96
	<i>Land used for Plantation</i>	51.70
	<i>Land used for stocking of sand for stowing operation</i>	50.92
	Forest Land (Un-disturbed)	76.00
2	Government land	13.27
3	Private Land	23.15
	Total	299.00

- (xxix) A Wildlife Conservation Plan in the Srirampur area mines including SRP-3&3A Incline underground coal mine expansion project prepared and approved by PCCF& CWW for Schedule-I species present in the study area an amount of Rs.523.367 Lakhs.

(xxx) Cost of the Project: Total Capital cost: 23.17 Cr; Cost of Production (Rs/tonne): 7831 (March-2022); Sale Price (Rs/tonne): 5104 (March-2022); CSR cost: As per Companies Act, 2013 and Companies Social Responsibility Policy) Rules - 2014, SCCL is spending 2% of its average annual net profit calculated in accordance with the provisions of Section 198 of the Act made during three immediately preceding financial years in pursuance of its CSR policy on CSR activities each financial year.

In addition to the above, SCCL has so far deposited an amount of Rs. 415.19 Crores with District Collector, Mancherial towards District Mineral Fund Trust (DMFT) for taking up developmental works in the region.

(xxxii) R&R Cost: No R&R is involved. No of PAFs: Not Applicable

(xxxiii) Cost for implementing EMP: a) Capital: Rs.70.70 Lakhs.

b) Revenue: Rs.99.06 Lakhs/Annum (@Rs. 24.77/T).

(xxxiv) Details of transportation of coal: Coal produced from this mine is being transported to SRP OC-II/RKP CHP by road in tarpaulin covered trucks. From there to consumers by rail; Quantity being transported by Road/Rail/conveyer /ropeway is 0.40 MTPA.

(xxxv) Details of reclamation: Total Afforestation plan shall be implemented covering an area of 144.50 ha at the end of mining.

(xxxvi) Density of the plantation (in no. of plants): 2500 plants/ha.

(xxxvii) Legal issues: As per the Terms of Reference given by MoEF&CC, the State Government / SPCB has to take action against the Project Proponent under the Provisions of the Environment (Protection) Act, 1986. The State Government has directed SPCB to take appropriate action in this regard. Accordingly, EE, RO, Nizamabad, TSPCB filed a case under Section 19 of the E(P) Act, 1986 in the Court of Hon'ble 1st Additional Judicial Magistrate of F.C. at Mancherial with C.C. No. 662 of 2020 for violation. The Hon'ble court has levied a penalty of Rs.1,00,000 for violation under section 15(1) E(P) Act, 1986 and SCCL paid the amount.

(xxxviii) Public Hearing issues : Date and Place of Public hearing Date: 11.04.2023.

Place: In open place at Shanthi Stadium, Krishna Colony, Srirampur, Naspur Mandal/Municipality, Mancherial (District),Telangana State. The designation of officer presided over Additional District Collector, Mancherial District, Telangana.

(xxxix) The State Expert Appraisal Committee (SEAC) in its 250th meeting held on 21.07.2023 considered the project and Consultant M/s EPTRI, Hyderabad along with the project proponent attended and made a presentation before the SEAC.

(xl) During the presentation, the proponent informed the following:

Project Background:

- Coal mining operations in SRP-3&3A Incline started in the year 1988-89.
- Environmental Clearance was granted on 27.10.2008 for a capacity of 0.40 MTPA in the project area of 299.00 ha.
- In order to meet the demand from the coal based industries in the region, excess production of 9000 tonnes was produced from SRP 3&3A Incline in two years beyond the sanctioned EC capacity and hence is considered under violation category as per EIA Notification, 2006.
- SCCL submitted Form-1 to MoEF&CC for obtaining EC under violation category on 09.04.2018, as per S.O.804(E), Dt.14.03.2017 and its amendments and Terms of Reference was granted by MoEF&CC vide F.No.23-252/2018-IA-III(V) dated 03.12.2019.
- BLD was collected during October 2020– December 2020.
- Environmental Public Hearing was conducted by TSPCB on 11.04.2023.
- Application for EC was submitted on 15.07.2023

Present proposal:

- The present proposal is for obtaining Environment Clearance for SRP - 3 & 3A Incline, under violation category, for an annual coal production capacity of 0.40 MT in a project area of 299.00 ha. Life of the project is 13 years from 2023-24.

Mining Plan & Mine Closure Plan:

- MoC, Gol, has approved Mining Plan for SRP-3&3A Incline, Dt. 08.08.1989.
- MoC, Gol, has approved Mine Closure Plan for SRP-3&3A Incline, Dt:25.11.2014.

Mining Lease:

- Srirampur Mining Lease (938.85 ha), issued by G.O. Ms. No. 42 dated 11.02.2008, valid up to 27.06.2038 (155.20 ha).
- North Godavari Mining Lease (4494.00 ha), issued by G.O. Ms. No. 01 dated 12.01.2015, valid up to 21.05.2030 (119.72 ha).
- Indaram Mining Lease (2044.34 ha). issued by G.O. Ms. No. 09 dated 16.04.2022, valid up to 28.07.2030 (24.08 ha).

Forest Clearance:

- Total Forest Land involved in the project is 76.00 ha.
- 35.00 ha of forest land was diverted with underground rights vide on G.O. Ms. No. 73 dated 23-08-2013, Co-terminous with North Godavari Mining lease.
- Remaining 41.00 ha, was diverted with underground rights vide on G.O. Ms. No. 49 dated 10.05.2005, Co-terminous with Srirampur Mining Lease.

Ground water clearance:

- Ground Water Clearance was issued by the State Government on 25.08.2005 and applied for new fresh GWC letter on 27.05.2022 and awaiting GWC letter.

Consent for Operation:

- CFO was obtained on 15.09.2021 with validity up to 30th June 2026.

Wildlife Conservation Plan:

- WLCP for Srirampur Area mines including SRP - 3 & 3A Incline was approved by PCCF (HoFF) & Chief Wildlife Warden, Govt. of Telangana for an amount of Rs.526.367 Lakhs for conservation of Schedule-I species.

Now, the proponent informed that the present proposal is for same production capacity of 0.40 MTPA within the same project area of 299.00 ha as they want to regularize violation since they have exceed the production capacity during 2007-08 and 2008-09 against the permitted EC capacity.

The proponent informed that they have a valid CFO obtained vide order dt.15.09.2021 with validity upto 30.06.2026.

- (xl) The SEAC noted that public hearing was conducted by TSPCB on 11.04.2023. Public hearing issues are Implementation of pollution control measures: conduct of medical camps: conduct of skill development training ; employment to educated local youth: CSR & DFMT fund should be spent in and around the project surrounding villages etc.

The proponent informed that they are implementing all the pollution control measures: about 2600 jobs are given to unemployed youth in outsourcing jobs: will arrange medical camps in surrounding villages: will provide skill development training to local youth: develop open park with opne gyms: extensive plantation in the vacant land is being done under harithaharam and vriksharopan abhiyan programmes etc.

The propomnent informed that EE, RO, Nizamabad, TSPCB filed a case under Section 19 of the E(P) Act, 1986 in the Court of Hon'ble 1st Additional Judicial Magistrate of F.C. at Mancherial with C.C. No. 662 of 2020 for violation and the Hon'ble court has levied a penalty of Rs.1,00,000 for violation under section 15(1) E(P) Act, 1986 and penalty S was pais by the proponent and submitted copies of the supporting documents.

The proponent submitted Certified Compliance Report dt.11.10.2022 issued by the Integrated Regional Office of MoEF&CC, Gol, Hyderabad.

Project capital cost is Rs.23.17 Crores: EMP cost is: 70.70 Lakhs and Recurring cost is Rs.24.77 Lakhs/annum.

The proponent inform that BLD was collected from October 2020– December 2020.

The proponent inform that an amount of Rs.2335.78 Lakhs have been spent under CSR programme up to 2021-22.

The SEAC noted that the project is considered under violation and processed as per S.O.804 (E) dt.14.03.2017, S.O 1030(E)dt. 08.03.20218 & OM dt. 12.11.202 issued by MoEF&CC, Gol. The proponent submitted that they have scientifically assessed the damage caused due to the violation committed by their project as per the suggestions given by MoEF&CC, Gol violation EAC committee. The amount of Bank Guarantee is 3.23 Lakhs for implementation of Remediation Plan: Natural Resource Augmentation Plan and Community Resource Augmentation Plan.

The SEAC examined the same and found that the level of damage for the present project is low, accordingly, the amount of Bank Guarantee to be submitted for implementation of Remediation Plan Natural Resource Augmentation Plan and Community Resource Augmentation Plan is worked out to be Rs.3.23 Lakhs and the details are as follows:

S. No.	Description	Estimated cost (Rs.)
1	Remediation Plan	1,00,000
2	Natural Resources Augmentation Plan	1,20,000
3	Community Resources Augmentation Plan	1,03,000
Total		3,23,000

After detailed discussions, the EAC recommended for issue of Environmental Clearance subject to approval by SEIAA for submission of Bank Guarantee for an amount of Rs.3.23 Lakhs(Three lakhs Twenty three Thousand only)

- (xli) The SEIAA in its meeting held on 24.07.2023 examined the proposal and recommendations of SEAC, Telangana in detail and noted that the project is under Violation category and processed as per S.O.804(E) dt.14.03.2017, S.O. 1030(E) dt.08.03.2018, OM dt.12.11.2020 issued by MoEF&CC, Gol. As per the guidelines of the MoEF&CC Gol for coal mining projects involving violation, the project cost is 23.17 Crores and the amount of bank Guarantee is Rs. 3.23 Lakhs for Implementation of Remediation plan; Natural Resource Augmentation Plan; and Community Resource Augmentation Plan. The proponent is directed to submit the Bank Guarantee for an amount of Rs. 3,23,000/- (Rupees Three Lakh twenty three Thousand only) in favour of Member secretary, TSPCB along with detailed action plan for implementation, status of case No. CC No. 662 of 2020 and the proponent shall also submit undertaking to abide by the additional guidelines of MoEF&CC, Gol, if any.

During the meeting held on 27.07.2023 the SEIAA noted that the proponent vide Lr. No.CRP/ENV/A519/555 dated 26.07.2023, submitted Bank Guarantee No. 0416823BG0000514 dt: 26.07.2023 for an amount of Rs. 3,23,000/- along with status of case No. CC No. 662 of 2020 and undertaking to abide by the additional guidelines of MoEF&CC, Gol, if any.

Accordingly SEIAA recommended for issue of EC (Violation). Hence, the SEIAA hereby accords Environmental Clearance for the project as mentioned at Para No. 1 under the provisions of EIA-Notification, 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the specific and general conditions.

4. **SEIAA** recommended for an amount of Rs. 3,23,000/- towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of two years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan with budgetary provision are mention below along with the following Specific Conditions:

S. No.	Component	Proposed Remediation measures	Description	Locations	Unit Rate (Rs.)	Total Qty.	Total Cost (Rs.)	Year I (Rs.)	Year II (Rs.)
1	Remediation Plan (Air environment and ecology)	Avenue Plantation	Plantation of total 100 No.s native plants at Rs.1,000 per sapling, including maintenance for 3 years	Along coal transport route	1,000	100	1,00,000	1,00,000	-
2	Natural Resource Augmentation Plan	Energy Conservation by adopting Green Energy technology.	Providing Solar Street Lighting (including panels, inverters, wiring, structure, connectors, junction boxes) in nearby villages @ Rs.30,000 per unit.	Srirampur	30,000	4	1,20,000	-	1,20,000
3	Community Resource Augmentation plan	Development of infrastructure	Development of parks with open gym facility in the surrounding village	Santhi Stadium at Srirampur	Lump sum	1	1,03,000	1,03,000	-
Total (Rs.)							3,23,000	2,03,000	1,20,000

Summary:

S. No.	Description	Estimated cost (in Rs.)
1	Remediation Plan	1,00,000
2	Natural Resources Augmentation Plan	1,20,000
3	Community Resources Augmentation Plan	1,03,000
Total		3,23,000

- (i) Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs. 3,23,000/-. Project proponent submitted a Bank Guarantee (BG No.0416823BG0000514, dated 26.07.2023) to the Member Secretary, TSPCB for an amount of Rs. 3,23,000/- towards Remediation plan and Natural and Community Resource Augmentation plan vide its letter no. CRP/ENV/A/519/555, dated 26.07.2023.
- (ii) Remediation plan shall be completed in 2 years whereas bank guarantee shall be for 2 years. The bank guarantee 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, State Expert Appraisal Committee and approval of the Regulatory Authority.
- (iii) Transportation of coal on road shall be carried out by tarpaulin covered trucks.
- (iv) Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities.
- (v) Wild life Conservation plan as approved by the Competent Authority shall be implemented.
- (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.
- (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.
- (viii) Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease area to arrest the fugitive dust emission.
- (ix) Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- (x) In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall spend an amount Rs.23.00 Lakhs (equivalent to 1% of Capital Cost) for community welfare activities in surrounding villages within two years period as a commitment to address public hearing issues under EMP.

S. No.	Component	Activity Proposed	Description	Locations	Unit Rate (Rs.)	Total Qty.	Total Cost (Rs.)	Year I (Rs.)	Year II (Rs.)
1	Community Development	RO Plant	Installation of 1000 LPH RO Plant with shed and 3years maintenance for safe drinking water.	1. Srirampur 2. Naspur	9,00,000	2	18,00,000	--	18,00,000
2		Development of parks	Development of parks with open gym facility	1. Tallapally Village	5,00,000	Lump sum	5,00,000	5,00,000	--
Total (Rs.)							23,00,000	5,00,000	18,00,000

5. The grant of environmental clearance is further subject to compliance of the Standard EC conditions as under:

(a) Statutory compliance:

- (i) The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
- (ii) The project proponent shall obtain forest clearance if any applicable, under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- (iii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iv) 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-I species in the study area)
- (v) 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.

(vi) The project proponent shall obtain the necessary permission from the State Ground Water Authority.

(vi) Solid waste/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) Air quality monitoring and preservation

(i) Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. to be carried out at least once in six months.

(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 25.9.2000 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.

(iii) Transportation of coal to the extent permitted by road, shall be carried out by covered trucks. Effective control measures such as regular water sprinkling/rain gun/ mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, 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.

(iv) Major approach roads shall be black topped and properly maintained.

(v) The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining 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 that the impact of sound, dust and accidents could be appropriately mitigated.

(vi) 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.

- (vii) Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors if any shall be fully covered to avoid air borne dust.
 - (viii) 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.
- (c) 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 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
 - (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. J-20012/1/2006-1A.11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
 - (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.
 - (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.
 - (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.
 - (vi) The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing if any near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure presenting any chance of mine inundation.
 - (vii) Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff.

- (viii) The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted particularly after monsoon and maintained properly.
- (ix) Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.
- (x) Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
- (xi) The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done 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.
- (xii) The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.

(d) Noise and Vibration monitoring and prevention

- (i) Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in underground mining operations, operation of HEMM, etc. shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms/guidelines in this regard. Progress in usage of such accessories to be monitored. Adequate awareness programme for users to be conducted.
- (ii) 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.

(e) Mining Plan

- (i) Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
- (ii) No change in mining method *i.e.* UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
- (iii) 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).
- (iv) Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
- (v) No mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
- (vi) Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

(f) Land reclamation

- (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).
- (ii) Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
- (iii) Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.

- (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 for stowing of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
- (v) A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
- (vi) Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
- (vii) Native tree species shall be selected and planted over areas affected by subsidence.
- (viii) 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.

(g) Green Belt

- (i) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted/reported in the study area. Action plan, in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.
- (ii) Greenbelt, consisting of three-tier plantation, of width not less than 7.5 m, shall be developed all along the mine lease area in a phased manner. The green belt comprising of a mix of native species shall be developed all along the major approach roads/ coal transportation roads.

(h) Public hearing and Human health issues

- (i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
- (ii) The Project Proponent shall undertake Occupational Health survey for initial and Periodical medical examination of the workers engaged in the Project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any.

- (iii) Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
- (iv) Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
- (v) Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
- (vi) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall undertake all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing. Land oustees shall be compensated as per the norms laid out R&R Policy of the Company/ or the National R&R Policy/ R&R Policy of the State Government, as applicable
- (vii) The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29" 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'.

(i) Corporate Environment Responsibility

- (i) 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 any infringements/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. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- (ii) 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 tothe head of the organization.
- (iii) 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.

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

(j) Miscellaneous

- (i) 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.
- (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.
- (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.
- (iv) 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.
- (v) 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.
- (vi) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
- (vii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (viii) 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 SEAC.
- (ix) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- (x) 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.

- (xi) The Ministry may revoke or suspend the clearance. if implementation of any of the above conditions is not satisfactory.
 - (xii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - (xiii) 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.
 - (xiv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986. Hazardous and Other Wastes (Management and Transboundary 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.
 - (xv) The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the SEAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
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.
 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 16 of the National Green Tribunal Act, 2010.
 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.
 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.

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.
11. The proponent shall comply with Plastic Waste Management Rules, 2016 & also comply with MoEF & CC Notification No: G.S.R. 571 (E), dated: 12.08.2021 which mandated banning of usage of identified Single Use Plastic items with effect from 01.07.2022.
12. Grant of EC is also subject to Circulars issued under the EIA Notification 2006, which are available on the MOEF website: www.parivesh.nic.in

Sd/-
MEMBER SECRETARY
SEIAA, T.S.

Sd/-
MEMBER
SEIAA, T.S.

Sd/-
CHAIRMAN,
SEIAA, T.S.

To,
Sri. G Venkateswara Reddy, Director (Planning & Projects),
M/s. Singareni Collieries Company Limited
(3&3A (SRP-3&3A) Incline Underground Coal Mining Expansion),
PO: Kothagudem Collieries,
Dist: Bhadrachari Kothagudem, T.S - 507 101
Phone No: +91 9491144338
Email: gm_env@scclmines.com

Copy to:

1. Prof. Ch. Krishna Reddy, Chairman, SEAC, T.S. for kind information.
2. The Member Secretary, TSPCB for kind information.
3. The EE, RO:Nizambad, TSPCB for information.
4. The IRO, MoEF&CC, GOI, Hyderabad for kind information.
5. The Secretary, MoEF&CC, GOI, New Delhi for kind information.
6. The Director of Mines & Geology Dept., Hyderabad for kind information.

//T.C.F.B.O.//



JOINT CHIEF ENVIRONMENTAL ENGINEER