THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVERNMENT COMPANY)
Registered Office
Kothagudem Collieries (P.O) - 507 101, Bhadradri Kothagudem Dist, Telangana State
CIN: U10102TG1920SGC000571
Environment Dept., Srirampur Area
PO:Srirampur Colony-504 303, Dist. Mancherial, Telangana State

Phone No: 08736-238039.
Fax No : 08736-238222.
e-mail:env_srp@scclmines.com
website:www.scclmines.com

Ref.No: SRP/ENV/E-416/2025/142. Date: 26.05.2025

To
The Environmental Engineer,
Telangana State Pollution Control Board,
Regional Office, H.No: 6-2-166/A, Subhash Nagar,
Nizamabad - 503 002.

Sir,

Sub: Half yearly Environmental monitoring Report in respect of Srirampur-3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project of SCCL for the period ending 31.03.2025(October, 2024 to March, 2025) - Reg.

Ref : EC Identification No: EC23B001TG133926;
File No: SIA/TG/CMIN/436751/2023; dated:29.07.2023.

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Reference to the MoEF&CC, Environmental Clearance(E.C) letter cited above, please find enclosed herewith the Half yearly Environmental Compliance report for the period ending 31.03.2025 (October, 2024 to March, 2025) in respect of Srirampur-3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project, Srirampur Area.

Thanking you,

Yours faithfully,

Office of the General Manager S.C.C.L. SRIRAMPUR

General Manager,
Srirampur Area.
General Manager
SRIRAMPUR

Encl: As above.

C.C.: Dy.GM, SRP-3&3A Incline.

THE SINGARENI COLLIERIES COMPANY LIMITED

(A Government Company)
SRIRAMPUR AREA

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS UPTO 31ST MARCH, 2025.

A. SALIENT FEATURES OF THE PROJECT:

1	**Name of the Project**		:	**Srirampur – 3&3A (SRP-3&3A) Incline underground Coal mine expansion Project**
2	Organization		:	Singareni Collieries Company Limited
3	Coalfield		:	Godavari Valley Coal Field
4	Type of Mine		:	**Underground Coal Mine**
5	Technology		:	Bord and pillar method with hand section and Semi-mechanized with SDLs followed by bottom ash/sand stowing.
6	**Environmental Clearance**			
	A	Letter No & date	:	EC Identification No. EC23B001TG133926, File No. SIA/TG/CMIN/436751/2023, dtd:29.07.2023.
	B	Sanctioned capacity	:	0.40 MTPA
	C	Mining Lease Area	:	299.00 Ha (Mine boundaries shifted)
	D	Date of Public Hearing	:	11.04.2023
7	**Location of the Project**			
	A	Village	:	Srirampur
	B	Tehasil	:	Naspur
	C	District	:	Mancherial
	D	State	:	Telangana State
	E	Latitude	:	N 18° 45’ 00” To 19° 18’ 00”
	F	Longitude	:	E 79° 15’ 00” To 79° 38’ 00”
	G	Topo Sheet	:	56N/9
	H	Nearest railway station	:	Mancherial
	I	Nearest Airport	:	Hyderabad
	J	Nearest town	:	Mancherial
8	**Address for Correspondence**			
	A	Name	:	CH.VENKATESHWARLU
	B	Designation	:	Agent
	C	Address	:	O/o Agent, Srirampur Group of Mines, Srirampur Colony (Post) Naspur Mandal, Mancherial District Telangana State.
	D	Pin Code	:	504 303
	F	E-mail ID	:	agt_srp@scclmines.com
	G	Telephone No.	:	08736-238219
	H	Fax No.	:	08736-238222

9	**Life of the Project**			
	A	Date of Opening		1984.
	B	Total Life of the project as per EMP	:	44 Years (from the expansion year)
	C	Balance Life	:	13 Years
10	**Seams**			
	A	Total Seams Present	:	9 No.s
	B	Seams being worked	:	3A,3,5 and 6 Seams only
11	**Depth**			
	A	Minimum Depth (m)	:	41 mtrs
	B	Maximum Depth (m)	:	258 mtrs
	C	Present working depth (m)	:	210 mtrs
12	**Reserves**			
	A	Total Geological Reserves	:	37.70 M.T
	B	Total Extractable Reserves	:	16.739 MT
	C	Reserves already Extracted	:	10.229 MT
	D	Balance Reserves	:	6.51 MT
	E	Coal production during last six months	:	0.118MT
13	Men on roll as on 31.03.2025		:	1208
14	No of workmen allotted quarters as on 31.03.2025		:	808
15	No of LPG connections as on 31.03.2025		:	971
16	P.M.E during last six months from 01.10.2024 to 31.03.2025		:	141
17	Dust masks issued during six months from 01.10.2024 to 31.03.2025		:	58
18	Ear plugs issued during six months from 01.10.2024 to 31.03.2025		:	26
19	**Environment expenditure details during last six months**		:	--
	(i)	Quantity of sand used for stowing in Cu. Mtrs	:	45849.979
	(ii)	Quantity of bottom ash used for stowing in Cu. Mtrs	:	54271.655
	(iii)	Quantity of sand used for stowing in Cu. Mtrs (from OB plant SRP OCP)	:	nil
	(iv)	No. of fly ash bricks used with size		35,000(300x200x150mm)
20	**Land Requirement**			
	A	Total Requirement (Mine Take Area)	:	299.00 Ha. (Mine boundaries shifted)
	B	Forestland Involved	:	76.00 Ha.
	C	Non forest land	÷	223.00 Ha (private land 23.15 Ha, Govt land 11.85 Ha, SCCL acquired land 188.00 Ha)

<table>
<tr><td>21</td><td></td><td>Land acquired so far (surface rights)</td><td>:</td><td>188.00Ha</td></tr>
<tr><td></td><td></td><td>(i)Built up area</td><td>:</td><td>83.96Ha</td></tr>
<tr><td></td><td></td><td>(ii) Plantation area</td><td>:</td><td>51.95Ha</td></tr>
<tr><td></td><td></td><td>(iii) Vacant land</td><td>:</td><td>52.09Ha</td></tr>
<tr><td>22</td><td colspan="2">Subsidence details:</td><td></td><td></td></tr>
<tr><td></td><td>i</td><td>Total area effected due to subsidence in Ha</td><td></td><td rowspan="8">NIL</td></tr>
<tr><td></td><td>ii</td><td>Max. subsidence occurred</td><td></td></tr>
<tr><td></td><td>iii</td><td>Max. crack width observed</td><td></td></tr>
<tr><td></td><td>iv</td><td>Vegetation effected if any</td><td></td></tr>
<tr><td></td><td>v</td><td>No. of man shifts deployed for crack filling during six months</td><td></td></tr>
<tr><td></td><td>vi</td><td>No .of hours dozer engaged during six months</td><td></td></tr>
<tr><td></td><td>vii</td><td>Expenditure incurred for crack filling musters &dozer hours during six months</td><td></td></tr>
<tr><td>23</td><td colspan="2">Statutory Clearances</td><td></td><td></td></tr>
<tr><td></td><td>A</td><td>Ground Water Clearance</td><td></td><td>Lr No.159/T/SRP3/SCCL/2022, Dtd.28.08.2023.</td></tr>
<tr><td></td><td>B</td><td>Consent for Establishment</td><td>:</td><td>Order No: 45/PCB/CFE/RO-NZB/HO/2009-1074, dtd.20.07.2009.</td></tr>
<tr><td></td><td>C</td><td>Consent for Operation</td><td>:</td><td>Consent Order No: 210522943479 - dtd.15.09.2021 valid upto 30.06.2026.</td></tr>
<tr><td></td><td>D</td><td>Forest Clearance</td><td>:</td><td>76.0 ha of forest land is involved in the project, the details of forest clearance in various mining leases mentioned below.
<table>
<tr><th>S. No.</th><th>Extent (ha)</th><th>Name of Lease</th><th>Details of FL diversion with underground rights</th></tr>
<tr><td>1.</td><td>35</td><td>North Godavari Lease</td><td>G.O Ms. No. 73 dated 23-08-2013,
Co-terminous with mining leases.</td></tr>
<tr><td>2.</td><td>41</td><td>Srirampur lease</td><td>G.O Ms. No. 49 dated 10-05-2005,
Co-terminous with mining leases.</td></tr>
</table></td></tr>
<tr><td></td><td>E</td><td>Mining Lease</td><td>:</td><td>(i.) Srirampur Mining lease vide lr.No:8-56/91-FC, dtd.12.02.2005 and the lease renewal was granted vide G.O.Ms No 42 of I&C department is valid up to 26.06.2038.
(ii.) North Godavari ML vide letter No. 8-5/88-FC, dated 15.09.1999 and the lease renewal was granted vide</td></tr>
</table>

				G.O.Ms No 1 of I&C department is valid up to 21.05.2030. Indaram Mining Lease vide lr.No8-1/2000FC dtd.20.03.2002 and the lease renewal was granted vide G.O.Ms No 9 of I&C department is valid up to 28.07.2030.
F	Others (Specify)			--
24	**R & R Involved**		:	NIL

B. COMPLIANCE STATUS OF EC CONDITIONS AS ON 31.03.2025.

4.	**Specific & general conditions**	**Status**
	SEAC 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 three 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.	**Being Complied.** As per SEAC recommendation budgetary provision has been made for an amount of Rs 3,23,000/- towards Remediation plan and Natural and Community Resource Augmentation plan and amount will be spent in a span of 2 years.

S.No.	Component	Proposed Remediation	Description	Location	Unit Rate	Total Qty	Total Cost	Year I	Year II
					(Rs.)		(Rs.)	(Rs.)	(Rs.)
1.	Remediation Plan (Air environment and ecology)	Avenue Plantation	Plantation of total 3000 No.s native plants at Rs.1000 per sapling, including maintenance for 2 years	Along coal transport route	1,000	100	1,00,000	1,00,000	--
2.	Natural Resource Augmentation Plan	Energy Conservation by adapting 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 (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.**

S.No	Condition	Status as on 31.03.2025
(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.0416822BG0000514, 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.	**Complied.** SCCL submitted a Bank Guarantee (BG No.0416822BG0000514, 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 where as 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 State Expert Appraisal Committee and approval of the Regulatory Authority.	**Being Complied.** Remediation plan will be completed in 2 years where as bank guarantee shall be for 2 years.
(iii)	Transportation of coal on road shall be carried out by tarpaulin covered trucks.	**Being Complied.** Transportation of coal is being done with tarpaulin covered trucks. 
(iv)	Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities.	**Complied.** Ground Water clearance was obtained from state Ground Water Department, vide .Lr No. 159/T/SRP3/SCCL/2022; dtd: 28.08.2023. Copy enclosed as **Annexure-I.**
(vi)	Wild life Conservation plan as approved by the Competent Authority shall be implemented.	**Complied.** There are no endangered species found in core and buffer zone of the project area. However, a Wildlife Conservation & Mitigation Plan for Schedule–I

S.No	Condition	Status as on 31.03.2025
		species (Indian Monitor, Indian Peafowl & Indian Rock Python) present in the buffer zone was prepared for an amount of Rs.526.367 Lakhs and was approved by the PCCF & CWW vide Ref. No.5694/2021/WL-1 dated: 01.04.2022. SCCL has deposited the amount to forest department towards implementation of conservation plan. The copy was enclosed as **Annexure-II.**
(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.	**Complied.** 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. 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 that violations committed under E(P) Act/ EIA Notification shall be penalized under the same Act but not under MMDR Act,1957.
(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.	**Being Complied.** Water spraying is being carried out at the surface bunkers and along the transport roads on the surface. All the coal transportation roads and permanent

S.No	Condition	Status as on 31.03.2025
		internal roads on the surface of the mine area are black topped. Further, in the connected SRP CHP, fixed as well as mobile mist spray arrangements have been provided for controlling dust emissions and the air quality parameters monitored at the CHP are well within the stipulated norms. One 12 KL capacity water sprinkler is being deployed for dust suppression at CHP and surroundings.
ix)	Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities/ department.	**Complied**. Obtained CFE&CFO 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. Consent for Operation for the capacity of 0.40 MTPA; vide Order No.210522943479, dt.15th Sep, 2021. Consent for Establishment order No:45/PCB/CFE/RO-NZB/HO/2009/1074,date:20.07.2009.
(x)	In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall spent 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.	**Being Complied.** Works are under progress.

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**

E.C. Condition No.	Condition	Status as on 31.03.2025
5.(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.	**Agreed to Comply.**
(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.	**Complied**. 76.0 ha of forest land involved in the project, the details of forest clearance in various mining leases mentioned below. S. No / Extent (ha) / Name of Lease / Details of FL diversion with underground rights 1. / 35 / North Godavari Lease / G.O Ms. No. 73, dated 23-08-2013, Co-terminous with mining leases. 2. / 41 / Srirampur lease / G.O Ms. No. 49, dated 10-05-2005, Co-terminous with mining leases.
(iii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	**Complied**. The project is located outside the wild life sanctuary. Hence it is not 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 I 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).	**Complied**. There are no endangered species found in core and buffer zone of the project area. However, a Wildlife Conservation & Mitigation Plan for Schedule–I species (Indian Monitor, Indian Peafowl & Indian Rock Python) present in the buffer zone was prepared for an amount of Rs.526.367 Lakhs and was approved by the PCCF & CWW vide Ref. No.5694/2021/WL-1 dated: 01.04.2022. SCCL has deposited the amount to forest department towards implementation of conservation plan. The copy was enclosed

E.C. Condition No.	Condition	Status as on 31.03.2025
		as **Annexure-II.**
(v)	The project proponent shall obtain Consent to Establish I 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.	**Complied**. Obtained Consent for Operation for the capacity of 0.40 MTPA, vide Order No.210522943479, dt.15th Sep, 2021 and valid up to 30th June, 2026. Consent for Establishment order No:45/PCB/CFE/RO-NZB/HO/2009/1074,date:20.07.2009.
(vi)	The project proponent shall obtain the necessary permission from the State Ground Water Authority.	**Complied**. Ground Water clearance was obtained from state Ground Water Department, vide .Lr No. 159/T/SRP3/SCCL/2022; dtd: 28.08.2023 valid up to 28.08.2025. The copy was enclosed as **Annexure-I.**
(vii)	Solid waste/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016 Hazardous & Other Waste Management Rules, 2016.	**Being Complied.** Solid Waste Management Rules, 2016/ Hazardous & Other Waste Management Rules, 2016 are being complied.
(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, 802 and NO,. 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.	**Complied**. One Ambient Air quality monitoring station was fixed in the core zone and four in buffer zone with the prior approval of Regional office the TGPCB. The details monitoring locations, frequency of sampling and results are **Annexure – III.**
(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.	**Being Complied.** Ambient Air Quality monitoring in the core zone is being carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data are being reported regularly to the Ministry/Regional Office and to the CPCB/SPCB The monitoring details

E.C. Condition No.	Condition	Status as on 31.03.2025
		enclosed as **Annexure – III.**
(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.	**Being Complied.** Transportation of coal is being done with tarpaulin covered trucks. All necessary measures such as regular water/mist sprinkling/mist spray etc., are being taken to control air pollution at transportation road, loading/unloading, and transfer points, on dump etc. Fugitive dust emissions from all the sources are being controlled.  **Tarpaulin covered truck**
(iv)	Major approach roads shall be black topped and properly maintained.	**Complied**. Major approach roads are black topped and maintaining properly.
(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.	**Being Complied.** The transportation of coal is being carried out as per the provisions and route proposed in the approved mining plan. The approved coal transport route is not passing through any village.
(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 centers.	**Complied**. Vehicular emissions are being kept under control and they are being regularly monitored. All the vehicles engaged in mining and allied activities are being operated after obtaining 'PUC' certificate from the authorized pollution testing center.
(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.	**Complied**. Coal Stock pile and material transfer points and Surface belt-conveyor are provided with water spraying arrangement.
(viii)	Coal handling plant shall be operated	**Being Complied.**

E.C. Condition No.	Condition	Status as on 31.03.2025
	with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.	As, no crusher and CHP is provided on the surface of the mine. The blasted coal in the underground is of good fragmentation which is loaded into tubs by the SDL's and brought to the surface from where some part is transported to consumers by road and some part is transported to nearby SRP CHP for transportation by Rail mode. However, to arrest the fugitive emissions water spraying is being carried out in the underground faces before drilling and after blasting. Water spraying is being carried out at the surface bunkers on the surface. All the coal transportation roads and permanent internal roads on the surface of the mine area black topped. Further, in the connected SRP CHP coal is not pulverized in the crushers and is only crushed to (-) 200 mm size fixed as well as mobile mist spray arrangements have been provided for controlling dust emissions and the air quality parameters monitored at the CHP are well within the stipulated norms. A 12 KL capacity water sprinkler is being deployed for dust suppression at CHP and surroundings.
(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.	**Being Complied.** The effluent discharge (mine waste water, workshop effluent) is being 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. ETP is provided in the Area Workshop at Srirampur Area. The effluents from the Area Workshop are treated in the ETP.  Oil & Grease Trap (ETP) at Area

E.C. Condition No.	Condition	Status as on 31.03.2025
		Workshop. Sewage generated in the existing colony is being treated in STP of 3.0 MLD capacity located in Naspur Colony.  **Sewage Treatment Plant, Naspur colony.** The monitoring of ETP and STP outlet is enclosed as **Annexure- IV.**
(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.	**Being Complied.** The monitoring data is being uploaded on the company's website and displayed at the project site.
(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.** Phreatric surface in the area around the project is being monitored four times a year by establishing a network of existing wells and also by using piezometers and the piezometric data is being regularly submitted in half yearly basis to the District Ground Water Officer, Telangana State Ground Water Department, Mancherial District. The details monitoring data is enclosed as **Annexure-V.**
(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.	**Being Complied.** 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 monitoring data furnished in **Annexure-VI.**

E.C. Condition No.	Condition	Status as on 31.03.2025
(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.	**Being Complied.** Only pumped out seepage water is being utilized for mining operations. So far 32 nos. of Rainwater harvesting pits are constructed in surrounding villages for augmentation of ground water resources at Srirampur Area. Copy enclosed as **Annexure-VII.** The excess treated mine discharge water after meeting the stipulated norms is being discharged into nearby tank for irrigation and ground water recharge.  **Rain Water Harvesting Pit**
(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.	**Complied.** SCCL not altered any major water channels around the site.
(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.	**Complied.** Garland/surface drains of sufficient size, gradient and length are arranged on the mine surface to deal the storm water and the drains are designed keeping more than 50% safety margin over and above the peak rain fall and maximum discharge in the area adjoining the mine sites. There are four openings to the mine and the details of RLs are follows. 1. MID of 3 section is 868.25 m. 2. MWD of 3 section is 868.01m.

E.C. Condition No.	Condition	Status as on 31.03.2025
		3. Air Shaft is 866.33 m. 4. MID of 3A section is 868.97 m. The mine openings were designed 3.47m above HFL of the nearest seasonal Nallah No.1 (HFL is 864.54 m). the HFL of MWD of 3A section is 868.73m Further, the underground sumps are designed keeping the highest seepage calculations and retention time to settle the silt material and adequate pumping capacity is also provided in the underground sumps to deal during the peak rainfalls.
(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.	**Complied.** The water pumped out from the mine, after siltation, are being utilized for industrial purpose only viz. watering the mine area, roads, green belt development etc. The drains are being regularly de-silted particularly after monsoon and maintaining 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.	**Being Complied.** Industrial waste water from coal handling plant and mine water are collecting properly and treating 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 installed before discharge of workshop effluent. The effluents from the Area Workshop are treated in the ETP. 3 MLD capacity STP is provided in SCCL's colony for treating colony effluent. ETPs also provided at Base Workshop for oil and grease trap. 
(x)	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The	**Being Complied.** So far 32 nos. of Rainwater harvesting pits are constructed in surrounding villages for

E.C. Condition No.	Condition	Status as on 31.03.2025
	project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	augmentation of ground water resources at Srirampur Area. Excess water is being discharged after necessary treatment into local drainage which reaches the nearby village tanks and helps in augmentation of groundwater. The SCCL will also meet water requirement of nearby village(s) in case the village wells go dry due to de-watering of the 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/GeI 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.	**Complied.** The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of water bodies in the area has been prepared and being implemented. There are no diversions of natural water courses involved in the project.
(xii)	The project proponent shall take all precautionary measures to ensure reverine/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A reverine /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	**Being Complied.** SRP-3&3A Incline Underground Coal Mine Project is located at about 4.25 km away from River Godavari and also underground coal mine operations don't affect reverine /riparian ecosystem. River Godavari is flowing from North- West to South-East direction of the project. However, all the necessary precautionary measures are being taken to ensure riverine/riparian ecosystem SCCL has been implementing various mitigation measures in Srirampur Area for drainage collection, prevention of soil erosion, protection of flood plain of River, etc.
(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	**Being Complied.** Adequate measures are being taken for control of noise levels as per Noise

E.C. Condition No.	Condition	Status as on 31.03.2025
	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.	pollution Rules, 2016 in the work environment. Thick Green belt has been developed around the project for noise attenuation. Workers engaged in noisy environment like blasting and drilling operations, etc are being provided with personal protective equipments (PPE) like ear plugs/muffs and also ensuring the wearing of the same. Awareness programs are being conducted regularly.
(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.	**Being Complied.** Noise quality is being monitored once in every fortnight through a NABET accredited third party laboratory M/s Environment Protection Training and Research Institute (EPTRI), Hyderabad. Data being recorded properly and being submitted to MoEF&CC and RO, TGPCB along with Half yearly monitoring report. Copy enclosed as **Annexure-VIII**.
(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.	**Being Complied.** Mining operations are being 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).
(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 (MoEF&CC).	**Complied**. No change in mining method i.e. UG to OC, calendar programme.
(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).	**Being Complied.** MoC approved Mining plan on 07.10.2019 Mining operations are being 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.	**Being Complied.** Underground work place environmental conditions and illumination standards are being followed, as per the provisions of Regulations 153 and 175 of Coal Mines

E.C. Condition No.	Condition	Status as on 31.03.2025
		Regulation, 2017.
(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	**Complied**. Mining activities are being carried out in forest land after obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhered 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.	**Being Complied.** The following energy and fuel conservation measures and efficiency improvement and renewable energy are being used in SCCL. 1. Solar Power: Total Solar Power Installed in the SCCL is 245.5 Mega Watt (MW), out of which installed capacity in Srirampur Region is approximately 11 MW. 2 . Fixing of Energy Meters. 3. Lighting: • Incandescent lamps are banned in quarters. 4. Energy efficient appliances: • Made mandatory to purchase 5 star rated house hold appliances. 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.
(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).	**Complied**. Digital processing of the entire lease area based on satellite imagery is being done regularly once in 3 years for monitoring land use pattern and post mining land use. Satellite imagery land survey was conducted in year 2022, and the report was submitted to MoEF and its Regional Office at Hyderabad. Vide ltr No: SRP/ENV/D-404A/2023/377, date:20.12.2023. The land use land cover report is enclosed as **Annexure-IX.**

E.C. Condition No.	Condition	Status as on 31.03.2025
(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.	**Agreed to Comply.** Post-mining land will 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.	**Complied**. Coal is being extracted with Hydraulic sand/Bottom ash stowing operation and subsidence will not takes place. However, subsidence survey is being carried out during extraction of the stowing panel once in every month and after completion of the extraction, once in every 6 months (till the movement ceases completely) as per the provisions of DGMS Technical circular No.4 of 1988. The depressions/Cracks formed if any due to subsidence will be effectively plugged by dozing/filling with red earth and plantation taken after stabilization.
(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 3" 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.	**Complied**. As it is underground coal mine bottom ash is being utilized for stowing purpose. So far, 53735.32m^3 bottom ash was utilized for last six months (October-2024 to march-2025) for stowing purpose.
(v)	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.	**Complied**. Separate team for subsidence monitoring and surface mitigation measures is constituted and continuous monitoring & implementation of mitigation measures is being carrying 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.	**Being Complied**. Thorough inspection of the mine lease area to check any cracks developed at the surface due to mining activities below ground is being carried out in order to

E.C. Condition No.	Condition	Status as on 31.03.2025
		prevent in rush of water into the mine.
(vii)	Native tree species shall be selected and planted over areas affected by subsidence.	**Complied**. Native trees species like Bamboo, Hardwickia, Azadirachta, different Ficus species, Syzigium , Emblica officinalis, Terminalia arjuna, Terminalia bellerica, Sterculia urens, Albizia odoratissima , Madhuca indica, Mytra gynapar vifolia etc are planted in the block plantations on the surface area.
(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.	**Complied.** In this project there is no involvement of grazing land. Hence this condition is not applicable.
(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.	**Complied.** There are no endangered/endemic flora/fauna reported in the study area. However, a Wildlife Conservation & Mitigation Plan for Schedule–I species (Indian Monitor, Indian Peafowl & Indian Rock Python) present in the buffer zone was prepared for an amount of Rs.526.367 Lakhs and was approved by the PCCF & CWW vide Ref. No.5694/2021/WL-1 dated: 01.04.2022. SCCL has deposited the amount to forest department towards implementation of conservation plan. The copy was enclosed as **Annexure-II (A).**
(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.	**Complied**. The green belt developed with native species like Bamboo, Hardwickia, Azadirachta, different Ficusspecies, Syzigium , Emblica officinalis, Terminalia arjuna, Terminalia bellerica, Sterculia urens, Albizia odoratissima , Madhuca indica, Mytra gynapar vifolia etc 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.	**Complied**. Illumination has been provided in all mine locations as per DGMS standards and is being monitored.

E.C. Condition No.	Condition	Status as on 31.03.2025
		The report on the same is being submitted to this ministry & it's RO on six-monthly basis as a part of HYMR. The details of Illumination report enclosed as **Annexure - X.**
(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.	**Being Complied.** SCCL established eleven Initial Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., at Kothagudem, Manuguru, 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 Centers 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. 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. 228 persons have undergone PME during these six months. The PME details are being submitted to the Ministry and to the DGMS at regular intervals.
(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.	**Being Complied**. Persons deployed in open atmosphere in mining operations are being provided with dust masks to wear. Adequate training is being imparted at regular intervals on safety and health aspects at the Mine Vocational Training Centre, Srirampur during initial/ refresher

E.C. Condition No.	Condition	Status as on 31.03.2025
		training programmes and being educated regularly during safety education, talks etc.
(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.	**Being Complied.** Training on safety and health aspects is being imparted regularly at mine site office and during refresher training at MVTC.
(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.	**Complied**. Effective arrangements have been made for 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 outsees 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.	**Being Complied**. Action plan on the issues raised during the public hearing is formulated and its implementation is being ensured. All the tasks/measures as per the action plan are being undertaken.
(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'.	**Being Complied**. The mitigation measures suggested in the Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014 are being implemented.
(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	**Complied**. 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. Environment Policy of the company enclosed as **Annexure-XI.**

<table>
<tr><th>E.C. Condition No.</th><th>Condition</th><th>Status as on 31.03.2025</th></tr>
<tr><td></td><td>a part of six-monthly report.</td><td></td></tr>
<tr><td>(ii)</td><td>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.</td><td>Complied.
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.
<table>
<tr><td>1.</td><td>SO to General Manager</td><td>Chairman</td></tr>
<tr><td>2.</td><td>Project Officer</td><td>Member</td></tr>
<tr><td>3.</td><td>Area Engineer(E&M)</td><td>Member</td></tr>
<tr><td>4.</td><td>Area Civil Engineer</td><td>Member</td></tr>
<tr><td>5.</td><td>Area Forest Officer</td><td>Member</td></tr>
<tr><td>6.</td><td>Area Estates Officer</td><td>Member</td></tr>
<tr><td>7.</td><td>Project Manager</td><td>Member</td></tr>
<tr><td>8.</td><td>Project Engineer</td><td>Member</td></tr>
<tr><td>9.</td><td>Project Surveyor</td><td>Member</td></tr>
<tr><td>10.</td><td>Project Env Officer</td><td>Member</td></tr>
<tr><td>11.</td><td>Area Env Officer</td><td>Secretary</td></tr>
<tr><td>12.</td><td>Sr,Hydro Geologist</td><td>Member</td></tr>
<tr><td>13.</td><td>Area Survey Officer</td><td>Member</td></tr>
</table></td></tr>
<tr><td>(iii)</td><td>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.</td><td>Being Complied.
An EAC committee at project level is established for compliance of EC/CFE/CFO/GWC/FC etc and for implementing EMP.
The funds earmarked for environmental protection measures are not being diverted for any other purpose.
Year wise progress of implementation of environmental protection measures is being reported to the Ministry/Regional Office along with the Six Monthly Compliance Report. Enclosed as annexure-XII.</td></tr>
<tr><td>(iv)</td><td>Self-environmental audit shall be</td><td>Being Complied.</td></tr>
</table>

E.C. Condition No.	Condition	Status as on 31.03.2025
	conducted annually. Every three years third party environmental audit shall be carried out.	Self environmental audit is being done at area level by the committee on half yearly basis. Third party environmental audit will be carried out within three years.
(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.	**Complied**. Advertisement regarding grant of Environmental Clearance to this Project was published in two local news papers. A copy of the Environmental clearance was also displayed in the SCCL's website permanently. https://scclmines.com/env/docs/ECS/34006.pdf. A copy of the Environmental clearance was submitted to Telangana State Pollution Control Board. EC Identification No: EC23B001TG133926, File No: SIA/TG/CMIN/436751/2023, dtd.29.07.2023. **The Hans India English (01.08.2023)**  **Namasthe Telangana Telugu (01.08.2023)** 
(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**. This condition was complied immediately after receiving EC from MoEF&CC, SEIAA, Telangana. 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. SRP/ENV/EC/2023/222,date:31.07.2023 for display the same for 30 days from the date of receipt. Copy enclosed as **Annexure-XIII.**
(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.	**Being Complied**. The status of compliance of the stipulated environment clearance conditions, including results of monitored data is being uploaded on SCCL website and updates the same on half-yearly basis.

E.C. Condition No.	Condition	Status as on 31.03.2025
		The status of compliance of EC conditions are being submitted to the respective Regional Office of the MoEF&CC and TGPCB once in every six months.
(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.	**Being Complied.** Six-monthly reports on the status of the compliance of the stipulated environmental conditions are being submitted on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
(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.	**Being Complied.** The Environmental statement for each financial year ending in Form-V is being submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, and also being uploaded on the company's website https://scclmines.com/env/docs/ECS/340065.pdf along with the status of compliance of EC conditions.
(vi)	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	**Complied**. The Regional Office of the MOEFCC was informed regarding the commencement of mining operations vide letter No. AGT/SRP/29/2023/321, dated 20.09.2023. Copy enclosed as **Annexure-XIV.**
(vii)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	**Being Complied.** The stipulations made by the State Pollution Control Board and the State Government are being complied with.
(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.	**Being Complied** All commitments and recommendations made in the EIA/EMP report and also during presentation to the EAC are being complied with. Copy enclosed as **Annexure-XV.**
(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).	**Agreed to Comply.** No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.
(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.	**Agreed to Comply.** Actual data is being submitted.
(xi)	The Ministry may revoke or suspend the	**Complied**.

E.C. Condition No.	Condition	Status as on 31.03.2025
	clearance. if implementation of any of the above conditions is not satisfactory.	The conditions stipulated in Environmental clearance letter are being implemented.
(xii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	**Agreed to Comply.** If any additional conditions are stipulated by the Ministry, same will be implemented.
(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.	**Being Complied**. Project authorities are extending full co-operation during the visits of the office(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
(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 I High Courts and any other Court of Law relating to the subject matter.	**Complied**. All the measures are being taken to avoid soil contamination, contamination of ground water & surface water and occupational and other diseases due to the mining operations. PLI policy is also being taken every year. The latest PLI policy was taken from National insurance Company bearing No. 550200492410000034, valid from 30.04.2024 to 29.04.2025. Copy enclosed as **Annexure-XVI.**
(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.	**Being Complied.** All commitments and recommendations made in the EIA / EMP report and also during presentation to the EAC are being complied with.
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.	**Complied**. All necessary clearances/approvals are obtained before the start of the project. Any further condition stipulated by the ministry for environmental protection will be implemented.
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	**Complied**. No appeal against this environmental clearance lies with the National Green Tribunal.

E.C. Condition No.	Condition	Status as on 31.03.2025
	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 2' d 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.** No illegal mining is carried out.
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.	**Complied.** 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. 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 that violations committed under E(P) Act/ EIA Notification shall be penalized under the same Act but not under MMDR Act,1957.
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 requirement.	**Complied**. 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. 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

E.C. Condition No.	Condition	Status as on 31.03.2025
	applicable, and other statutory requirement.	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. 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 that violations committed under E(P) Act/ EIA Notification shall be penalized under the same Act but not under MMDR Act,1957.
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.	**Being complied.** Complying with the 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	**Being complied** Implementing Circulars issued under the EIA Notification 2006.
13.	"The mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities 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 which were disturbed due to mining will be regress and restored to the land to a condition which is fit for growth of fodder, flora, fauna etc

Agent,
SRP Group of mines.

AGENT
SRP-GROUP OF MINES

TSGWD/MNCL/WALTA/NOC/IN/0002

GOVERNMENT OF TELANGANA
GROUND WATER DEPARTMENT

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER EXTRACTION UNDER TSWALTA

Project Name:	**SRP 3 &3A Incline**		
Project Address:	Srirampur Colony, Naspur (M), Mancherial, Telangana 504303		
Village:	Srirampur	Mandal	Naspur
District:	Mancherial District		
Pin Code:	504 303		
Communication Address:	**SRP 3&3A Incline, Srirampur Village, Naspur (M), Mancherial District- 504 303**		

1.	**NOC No.:**	**TSGWD/MNCL/WALTA/NOC/MINE/0002**			
2.	Application No.:	**02**	3.	Category: (GWRA 2021)	**Safe**
4.	Project Status:	**Existing**	5.	NOC Type:	**NEW**
6.	**Valid from:**	**23/08/2023**	7.	**Valid up to:**	**22/08/2025**

8. Ground Water Abstraction Permitted:

Fresh Water		**Saline Water**		**Dewatering**		**Total**	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
-	-	-	-	2916	1,064,340	2916	1,064,340

9. Details of ground water Extraction /Dewatering structures

Total Existing No. 4							**Total Proposed/Recommended No.**					
	DW	BW	TW	FP	Year of Drilling	Purpose of use	DW	DCB	BW	TW	FP	Purpose of use
No. of Extraction Structures*	-	4	-	-	-	-	-	-	-	-	-	-
Dia/Depth of well/HP	-	-	-	-			-	-	-	-	-	-

*DW- Dug Well, BW-Bore Well; TW-Tube Well; FP-Filter Point;

10. Details of Rain Water Harvesting Structure/Artificial Recharge Structure

Recharge Structures	**Existing Structures**						**Recommended Structures**					
	RTRWH	CD	PT	SP	RS	Others	RTRWH	CD	PT	SP	RS	Others

RTRWH; Roof Top Rain Water Harvesting, CD; Check dam; PT; Percolation tank, SP; Storage pond RS; Recharge shaft

11.	Ground Water Extraction/Restoration/Regularization Charges paid	(Rs.): NA		
12.	Number of Piezometers (Observation wells) to be Constructed/ Monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism	
			Manual	DWLR ** / DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	2		1 / 1

(Compliance Conditions given overleaf)

DIRECTOR (FAC)
With Seal
DIRECTOR
Ground Water Department
Government of Telangana
Hyderabad

SAVE WATER - SAVE ENVIRONMENT

Validity of this NOC shall be subject to compliance of the following Conditions:

Mandatory Conditions:

1. All the mining industries to ensure that water available from de-watering operation is properly treated and should be gainfully utilized for supply for irrigation, dust suppression, mining process, recharge in downstream and for maintaining e-flows in the river system.
2. All mining projects drawing ground water in Safe, Semi-Critical and Critical assessment units shall be required to pay ground water abstraction charges as per Rules-2023.w.e.f.02/06/2023.
3. All mining projects drawing ground water in Over-Exploited assessment units shall be liable pay ground water restoration charges as per Rules-2023. w.e.f.02/06/2023.
4. Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users and intimation regarding their installation shall be communicated to the Ground Water Department within **30 days** of grant of NOC. Digital flow meters shall fallow the given specifications.
5. Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
6. Construction of purpose-built observation wells(piezometers)for water level monitoring hall be mandatory and construction of wells shall be constructed within 90 days of grant of NOC. Water level data shall be made available to respective office of the District Groundwater Officer, GWD, Mancherial District. (For construction of piezometers may consult, District Groundwater Officer, Ground Water Department for technical advice).
7. Proponents shall monitor quality of groundwater from the abstraction structure(s) once in a year. Water samples from abstraction structure(s) shall be collected during May & November every year and analyzed in NABL accredited laboratories for basic parameters. Additionally, heavy metals, organic compounds in case of potential polluting industries. Water quality data shall be submit to respective office of the District Groundwater Officer, GWD, Mancherial District.
8. Construction of Artificial Recharge/Rain Water Harvesting Structures (Rule-17, TSWALTA) shall be mandatory.
9. In case of mining projects, additional key wells shall be established in consultation with the District Groundwater Officer, GWD, Mancherial District for ground water level monitoring once in month in core zone of the mine.
10. In case of mining project, the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
11. The firm shall report compliance of the NOC conditions to respective office of the District Groundwater Officer, GWD, Mancherial District within one year from the date of issue of this NOC.
12. Application for renewal can be submitted to respective office of the District Groundwater Officer, GWD, Mancherial District from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal l &liable for legal action as per provisions of TSWALTA &Environment (Protection) Act, 1986.
13. This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Ground Water Department.
- The proponent shall seek prior permission from Ground Water Department for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Rule- 27, TSWALTA.
- This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- Incase of change of ownership ,new owner of the industry will have to apply for incorporation of necessary changes in the **No Objection Certificate** with documentary proof within 60 days of possession of the premises.
- Proponents, who have installed/constructed artificial recharge structures shall continue to regularly maintain artificial recharge structures.
- This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent).

The Singareni Collieries Company Limited
(Government Company)
Srirampur Area

Ref.No.SRP/ENV/Wildlife/2023/ 197 Date: 13.07.2023.

To,
The District Forest Officer,
Mancherial.

Sir,

Sub:- Wildlife Conservation & Mitigation Plan for Schedule-I species in Mancherial forest Division of Srirampur Area Mines (RK-5, RK-6, RK-7, RKNT, RK-8, SRP-1, SRP-3&3A, IK-1A, SRP.OC-I, OC-II Exp, Indaram OC projects) for 10 years - Depositing of funds of Rs.5,26,36,700/- Payment through RTGS on dt. 10.07.2023 - Reg.

Ref:- 1) 5694/2021/WL-1, dated: 01.04.2022, issued by The PCCF& CWW.
2) Lr.No.2698/2021/D5, dated: 22.04.2022, issued by DFO, MNCL.

-oOo-

With reference to the subject cited, approval was accorded by The PCCF & CWW for the Wildlife Conservation & Mitigation Plan for Schedule-I species in Mancherial forest Division of Srirampur Area Mines (RK-5, RK-6, RK-7, RKNT, RK-8, SRP-1, SRP-3&3A, IK-1A, SRP.OC-I, OC-II Exp, Indaram OC projects) for 10 years with an amount of Rs. 5,26,36,700/- (Rupees Five Crore twenty six lakhs thirty six thousand and seven hundred only).

Vide reference (2), it was requested to deposit the required funds in the following Account No.

Sl. No.	Description/ Account No.	Account Name	Branch& IFSC code
1.	110310100030284	Forest Bio Diversity Conservation Society of Telangana	Union Bank of India (Secretariat Branch, HYDERABAD), IFS code. UBIN0811793

Accordingly, vide UTR. No. SBINR52023071059966092, Dated. 10.07.2023, an amount of Rs. 5,26,36,700/- (Rupees Five Crore Twenty six lakhs thirty six thousand and seven hundred only) was deposited thorough RTGS on dated:10.07.2023 towards payment of Wildlife Conservation & Mitigation Plan.

Kindly acknowledge receipt of the same and it is requested to take up the works as per the approved Wildlife Conservation & Mitigation Plan for Schedule-I species. The approved plan is enclosed for your kind reference.

Yours faithfully,

General Manager,
Srirampur Area.

Office of the General Manager S.C.C.L. SRIRAMPUR
General Manager
SRIRAMPUR

Encl: 1. UTR Receipt.
2. Wild life conservation and mitigation plan

The Singareni Collieries Company Limited
(Government Company)
Srirampur Area

Ref.No.SRP/ENV/Wildlife/2023/197 Date: 13.07.2023.

To,
The District Forest Officer,
Mancherial.

Sir,

Sub:- Wildlife Conservation & Mitigation Plan for Schedule-I species in Mancherial forest Division of Srirampur Area Mines (RK-5, RK-6, RK-7, RKNT, RK-8, SRP-1, SRP-3&3A, IK-1A, SRP.OC-I, OC-II Exp, Indaram OC projects) for 10 years - Depositing of funds of Rs.5,26,36,700/- Payment through RTGS on dt. 10.07.2023 - Reg.

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Vide reference (2), it was requested to deposit the required funds in the following Account No.

Sl. No.	Description/ Account No.	Account Name	Branch& IFSC code
1.	110310100030284	Forest Bio Diversity Conservation Society of Telangana	Union Bank of India (Secretariat Branch, HYDERABAD), IFS code. UBIN0811793

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Kindly acknowledge receipt of the same and it is requested to take up the works as per the approved Wildlife Conservation & Mitigation Plan for Schedule-I species. The approved plan is enclosed for your kind reference.

Yours faithfully,

General Manager
Srirampur Area.

Office of the General Manager S.C.C.L. SRIRAMPUR

General Manager
SRIRAMPUR

Encl: 1. UTR Receipt.
2. Wild life conservation and mitigation plan

Received on
15/7/2023
O/C
District Forest Officer
Mancherial

ANNEXURE –III

Ambient Air Quality Monitoring Stations

Station Code	Name of the Stations	Latitude	Longitude
Core Zone			
CA7	SRP-3 & 3A Incline	N 18°51' 29.0"	E 79°30' 09.0"
Buffer Zone			
BA1	Mudigunta Village	N 18°51'24.7"	E 79°34'31.8"
BA4	Srirampur Colony	N 18°51'41.6"	E 79°30'24.1"
BA6	Srirampur Village	N 18°51'44.9"	E 79°30'14.0"
BA7	Sangamallaiahpalli Village	N 18°51'58.0"	E 79°29'23"

Ambient Air Quality at SRP 3&3A Incline (CA7)

Area : Srirampur **Nature of Area** : Core Zone
Period of Monitoring : Oct 2024 – March 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
Coal mine standards, GSR 742(E), Dated 25.09.2000		**250**	**-**	**120**	**120**
1	09.10.2024	155	65.3	12.9	15.3
2	24.10.2024	134	69.7	9.3	13.2
3	09.11.2024	149	60.3	10.2	16.6
4	23.11.2024	167	56.3	10.4	14.6
5	09.12.2024	146	50.4	10.5	14.7
6	23.12.2024	184	61.2	9.2	14.6
7	10.01.2025	152	54.3	10	15.6
8	25.01.2025	142	55.5	9.6	15.9
9	11.02.2025	152	53.1	10.6	14.4
10	25.02.2025	140	60.6	9.7	14.6
11	11.03.2025	186	67.5	12.8	17.2
12	26.03.2025	152	60.5	9.7	14.2
	Min	**134.0**	**50.4**	**9.2**	**13.2**
	Max	**186.0**	**69.7**	**12.9**	**17.2**
	Average	**154.9**	**59.6**	**10.4**	**15.1**
	98 Percentile	**185.6**	**69.2**	**12.9**	**17.1**

-No standard was specified for $PM_{2.5}$ in core zone

Ambient Air Quality at Mudigunta Village (BA1)

Area : Srirampur **Nature of Area** : Buffer Zone
Period of Monitoring : Oct 2024 – March 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
NAAQ Standards, CPCB Dated: 18.11.2009		**100**	**60**	**80**	**80**
1	11.10.2024	79	42.6	8.1	12.6
2	26.10.2024	76	41.2	9.7	12.3
3	12.11.2024	86	45.1	9.6	13.6
4	26.11.2024	86	47.2	9.1	12
5	06.12.2024	65	36.5	10.1	13.2
6	25.12.2024	69	37.7	9.7	12.7
7	13.01.2025	69	38.4	11.6	15.3
8	29.01.2025	64	34.2	9.2	14
9	13.02.2025	67	36.4	9.3	12.6
10	27.02.2025	81	43.4	7.8	13
11	13.03.2025	71	38.4	11	14.1
12	27.03.2025	59	33.5	11.5	15.2
	Min	**59.0**	**33.5**	**7.8**	**12.0**
	Max	**86.0**	**47.2**	**11.6**	**15.3**
	Average	**72.7**	**39.6**	**9.7**	**13.4**
	98 Percentile	**86.0**	**46.7**	**11.6**	**15.3**

Ambient Air Quality at Srirampur Colony (BA4)

Area : Srirampur **Nature of Area** : Buffer Zone
Period of Monitoring : Oct 2024 – March 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
NAAQ Standards, CPCB Dated: 18.11.2009		**100**	**60**	**80**	**80**
1	09.10.2024	84	44.5	9.1	13.2
2	24.10.2024	68	36.6	9.6	12.7
3	09.11.2024	72	38.4	9.6	12.5
4	23.11.2024	63	32.2	9.6	13.8
5	09.12.2024	68	32.4	8.8	14.3
6	23.12.2024	78	41.6	9.7	13.9
7	10.01.2025	78	40.1	8.6	14.5
8	25.01.2025	62	33.6	10.4	13.9
9	11.02.2025	84	44.7	9.6	13.6
10	25.02.2025	68	36.5	9.8	12.1
11	11.03.2025	52	31.7	10.1	13.9
12	26.03.2025	75	38.4	9	13
	Min	**52.0**	**31.7**	**8.6**	**12.1**
	Max	**84.0**	**44.7**	**10.4**	**14.5**
	Average	**71.0**	**37.6**	**9.5**	**13.5**
	98 Percentile	**84.0**	**44.7**	**10.3**	**14.5**

Ambient Air Quality at Srirampur Village (BA6)

Area : Srirampur **Nature of Area** : Buffer Zone
Period of Monitoring : Oct 2024 – March 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
NAAQ Standards, CPCB Dated: 18.11.2009		**100**	**60**	**80**	**80**
1	08.10.2024	75	39.6	8.8	14.1
2	23.10.2024	59	32.5	9	13.4
3	08.11.2024	73	38.2	8.5	14.5
4	22.11.2024	78	40.5	10.1	13.6
5	09.12.2024	74	40.5	9	12.4
6	27.12.2024	76	39.8	8	14.3
7	09.01.2025	74	38.8	8.8	16.4
8	24.01.2025	84	44.1	10.1	12.3
9	10.02.2025	84	45.9	10.2	13.5
10	24.02.2025	87	45.4	9.3	13.3
11	10.03.2025	67	38.9	8.6	14.2
12	25.03.2025	62	34.2	9.2	12.3
	Min	**59.0**	**32.5**	**8.0**	**12.3**
	Max	**87**	**45.9**	**10.2**	**16.4**
	Average	**74.4**	**39.9**	**9.1**	**13.7**
	98 Percentile	**86.3**	**45.8**	**10.2**	**16.0**

Ambient Air Quality at Sangamalliahpalli Village (BA7)

Area : Srirampur **Nature of Area** : Buffer Zone
Period of Monitoring : Oct 2024 – March 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
NAAQ Standards, CPCB Dated: 18.11.2009		**100**	**60**	**80**	**80**
1	09.10.2024	60	33.7	9.2	12.8
2	24.10.2024	62	33.2	8.6	15.8
3	09.11.2024	85	42.3	9.2	15.6
4	23.11.2024	81	44.7	9.2	13.9
5	09.12.2024	86	44.9	8.7	12.5
6	23.12.2024	81	43.9	9.3	14.4
7	10.01.2025	69	39.4	10.1	13.6
8	25.01.2025	74	39.9	9.1	13.4
9	11.02.2025	69	37.5	9.6	12.7
10	25.02.2025	82	43.9	9.6	13
11	11.03.2025	79	42.5	9.8	12.6
12	25.03.2025	76	39.3	8.5	13.2
	Min	**60.0**	**33.2**	**8.5**	**12.5**
	Max	**86**	**44.9**	**10.1**	**15.8**
	Average	**75.3**	**40.4**	**9.2**	**13.6**
	98 Percentile	**85.8**	**44.9**	**10.0**	**15.8**

(A) Summary of Ambient Air Quality Data Monitoring

Location code	Name of the location	PM_{10} (µg/m³)			$PM_{2.5}$ (µg/m³)			SO_2 (µg/m³)			NO_2 (µg/m³)		
Coal mine standards (commenced after 25.09.2000), GSR 742(E), Dated 25.09.2000		**250**			**-**			**120**			**120**		
Core Zone		**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**
CA7	SRP-3 & 3A Incline	134	186	154.9	50.4	69.7	59.6	9.2	12.9	10.4	13.2	17.2	15.1

(B) Summary of Ambient Air Data Monitoring

Location code	Name of the location	PM_{10} (µg/m³)			$PM_{2.5}$ (µg/m³)			SO_2 (µg/m³)			NO_2 (µg/m³)		
NAAQ Standards, CPCB Dated: 18.11.2009		**100**			**60**			**80**			**80**		
Buffer Zone		**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**
BA1	Mudigunta Village	59	86	72.7	33.5	47.2	39.6	7.8	11.6	9.7	12	15.3	13.4
BA4	Srirampur Colony	52	84	71	31.7	44.7	37.6	8.6	10.4	9.5	12.1	14.5	13.5
BA6	Srirampur Village	59	87	74.4	32.5	45.9	39.9	8	10.2	9.1	12.3	16.4	13.7
BA7	Sangamallaiahpalli Village	60	86	75.3	33.2	44.9	40.4	8.5	10.1	9.2	12.5	15.8	13.6

Annexure-IV

Characteristics of Effluents

Sl. No.	Sample code	Name of the Location	Latitude	Longitude
1	EW7	SRP-3 & 3A Incline Mine Discharge	N 18° 51' 44.5"	E 79° 30' 4.5"

1. Project Name : Post Project Environmental Monitoring in SCCL Mining areas
2. Area : Srirampur
3. Sampling Location & Code : SRP-3 & 3 A Incline Mine Discharge (EW7)
4. Nature of the Component : Effluents
5. Period of Monitoring : October 2024 – March 2025

Table 5.2
Characteristics of Effluents – SRP-3 & 3 A Incline Mine Discharge (EW7)

S.No.	Date of Sampling	pH	TSS at 105^{0}C	TDS at 180^{0}C	COD	BOD	Oil & Grease
	Unit	**--**	**mg/L**	**mg/L**	**mg/L**	**mg/l**	**mg/L**
	Test Method	**4500-H$^+$B**	**2540-D**	**2540-C**	**5220-D**	**IS 3025**	**5520-B**
	MoEF GSR 742 (E) and GSR 801(E) Effluent Standards for coal mines	**5.5 to 9.0**	**100**	**--**	**250**	**30**	**10**
1.	15.10.2024	7.8	27	583	23	2.4	<1
2.	30.10.2024	7.6	31	723	28	3.2	<1
3.	15.11.2024	7.3	20	814	31	4.2	<1
4.	30.11.2024	7.9	26	927	24	2.8	<1
5.	14.12.2024	7.9	19	716	16	3.2	<1
6.	31.12.2024	7.6	22	684	27	4.2	<1
7.	13.01.2025	8.1	16	552	36	3.8	<1
8.	31.01.2025	7.8	24	761	29	4.4	<1
9.	15.02.2025	8.1	32	789	32	3.8	<1
10.	28.02.2025	7.7	20	687	28	4.1	<1
11.	14.03.2025	7.5	36	532	23	3.4	<1
12.	31.03.2025	7.6	26	792	19	3.2	<1

1	Project Name	:	Post Project Environmental Monitoring in SCCL Mining areas
2.	Area	:	Srirampur
3.	Sampling Location & Code	:	Area Workshop ETP Outlet (EW20)
4.	Nature of the Component	:	Effluents
5.	Period of Monitoring	:	October 2024 – March 2025

Table 5.5
Characteristics of Effluents – Area Workshop ETP Outlet (EW20)

S.No.	Date of Sampling	pH	TSS at 105^{0}C	TDS at 180^{0}C	COD	BOD	Oil & Grease
	Unit	**--**	**mg/L**	**mg/L**	**mg/L**	**mg/l**	**mg/L**
	Test Method	**4500-H$^+$B**	**2540-D**	**2540-C**	**5220-D**	**IS 3025**	**5520-B**
	MoEF GSR 742 (E) and GSR 801(E) Effluent Standards for coal mines	**5.5 to 9.0**	**100**	**--**	**250**	**30**	**10**
1.	15.10.2024	7.7	79	914	43	10.3	2.4
2.	30.10.2024	7.9	55	1142	52	13.3	2.6
3.	15.11.2024	7.4	69	1368	59	12.2	2.8
4.	30.11.2024	7.9	76	1276	64	13.5	2
5.	14.12.2024	7.5	89	1138	56	14.2	1
6.	31.12.2024	7.6	71	1097	48	12.2	1.6
7.	13.01.2025	7.3	64	1173	60	13.6	2.6
8.	31.01.2025	7.4	58	1018	74	14.5	2.6
9.	15.02.2025	7.5	66	1247	44	8.5	2.2
10.	28.02.2025	7.9	52	1033	52	10.6	2
11.	14.03.2025	7.7	63	1210	51	13.3	1.8
12.	31.03.2025	7.2	59	1124	47	10.1	2.6

Annexure-VII.

Analysis Report of monthly summary of 3.0MLD Sewage treatment Plant – Naspur Colony from OCTOBER, 2024 to MARCH, 2025

All Values in Mg/Liter (Except pH)

Month	Description	Characteristics of Raw Sewage				Characteristics of Aeration Water					Characteristics of Treated Water				
		pH	COD	TSS	BOD	pH	DO	MLSS	TDS	MLVS	pH	DO	TSS	BOD	COD
October-	Min	7.70	205.00	205.00	205.00	7.30	1.70	1995.00	382.00	2080.00	6.80	1.20	12.00	14.00	28.00
	Max	7.90	220.00	220.00	220.00	7.50	1.90	2910.00	398.00	2610.00	7.10	1.60	16.00	16.00	32.00
	Aver	7.82	210.00	211.33	209.17	7.39	1.83	2393.87	393.65	2328.75	6.95	1.37	14.00	15.00	30.00
Nov-2024	Min	7.70	205.00	205.00	205.00	7.30	1.70	2700.00	384.00	2060.00	6.80	1.20	12.00	12.00	28.00
	Max	7.90	250.00	220.00	220.00	7.60	1.90	4020.00	398.00	2990.00	7.10	1.60	16.00	16.00	32.00
	Aver	7.81	211.33	212.67	211.67	7.40	1.79	3419.50	391.33	2650.00	6.95	1.42	14.40	14.33	30.13
Dec-2024	Min	7.70	205.00	20.00	205.00	7.30	1.70	2930.00	383.00	2240.00	6.80	1.40	12.00	14.00	28.00
	Max	7.90	220.00	220.00	220.00	7.60	1.90	4040.00	398.00	2640.00	7.10	1.60	16.00	16.00	32.00
	Aver	7.81	209.67	198.44	210.83	7.42	1.83	3506.29	391.16	2415.00	6.96	1.50	14.75	14.67	30.40
Jan-2024	Min	7.70	205.00	205.00	205.00	7.30	1.70	2870.00	382.00	1740.00	6.80	1.20	12.00	14.00	28.00
	Max	7.90	210.00	220.00	220.00	7.60	1.90	3610.00	399.00	2340.00	7.00	1.60	16.00	16.00	32.00
	Aver	7.80	208.13	209.33	211.67	7.40	1.83	3244.84	391.74	2068.13	6.93	1.42	14.25	15.00	30.00

Feb-2025	Min	7.70	205.00	205.00	205.00	7.30	1.70	2720.00	382.00	1660.00	6.80	1.20	12.00	12.00	28.00
	Max	7.90	210.00	220.00	210.00	7.60	1.90	4025.00	398.00	2640.00	7.10	1.60	16.00	16.00	32.00
	Aver	7.81	208.57	209.29	208.33	7.45	1.85	3417.86	390.29	2206.43	6.96	1.39	14.79	14.33	30.29
Mar-2025	Min	7.70	200.00	205.00	205.00	7.30	1.70	3220.00	382.00	1990.00	6.80	1.20	14.00	14.00	28.00
	Max	7.90	210.00	220.00	220.00	7.60	1.90	3745.00	398.00	2260.00	7.10	1.60	16.00	16.00	34.00
	Aver	7.81	207.67	209.69	208.33	7.47	1.81	3460.32	392.29	2141.43	6.95	1.43	14.93	15.00	30.13
	standard	-	-	-	-	-	-	-	-	--	5.5-9.0	--	100	30	250

Chemist

P.B.
Supervisor

EE(C)

26/5/2025
Dy.GM (C)

ATTITUDE OF PHREATIC SURFACE IN SRIRAMPUR AREA

Well No.	Name of the Village	Location	Owner's name	Type of well	Total depth(m)	MP (m)	Dia(m)	Depth to water (m)			
									2023	2024	2025
1	Arunakka Nagar	Near GM Office, 18°51'18.38" N, 79°30'40.68"E	N. Lingaiah	DW	9.40	1.00	1.00	Winter	3.84	4.38	4.60
								Pre monsoon	5.27	5.20	
								Monsoon	1.64	1.43	
								Post monsoon	2.49	3.46	
2	RK 6 Colony	Near Shiva temple, 18°52'15.84" N, 79°30'04"E	Q.No.SA-13	DW	10.00	1.20	1.20	Winter	1.74	2.52	2.60
								Pre monsoon	3.53	3.70	
								monsoon	0.81	0.90	
								Post monsoon	1.53	1.20	
3	RK6Colony	Kurma wada, 18°52'14" N, 79°30'04"E	Karre Posham	DW	6.50	1.00	1.00	Winter	2.96	1.87	2.56
								Pre monsoon	1.90	2.18	
								Monsoon	1.28	1.30	
								Post monsoon	1.63	1.43	
5	Srirampur (Naspur X road)	Naspur X Road, 18°51'17"N, 79°28'48"E	Suddula Shankar	DW	10.00	0.60	1.00	Winter	6.18	6.24	4.23
								Pre monsoon	7.82	7.85	
								Monsoon	4.29	2.85	
								Post monsoon	4.68	3.35	
6	Setharampalli	On the way to Intake well, 18°50'31.72" N, 79°28'34.46"E	Surimella Lachanna	DW	8.50	1.00	1.00	Winter	2.92	3.76	4.98
								Pre monsoon	4.47	5.80	
								Monsoon	2.23	1.58	
								Post monsoon	2.87	3.24	
7	Setharampalli	On thewaytoTallapalli, 18°50'37.91"N, 79°29'0.81"E	M. Gopaiah	DW	15.00	1.20	1.20	Winter	10.31	10.55	10.61
								Pre monsoon	13.30	13.00	
								Monsoon	5.00	3.50	
								Post monsoon	7.25	9.40	
		Roadside,18°49'59" N, 79°29'16"E	Rukum Ramaiah					Winter	2.08	2.96	
								Pre monsoon	2.17	3.09	

Well No.	Name of the Village	Location	Owner's name	Type of well	Total depth(m)	MP (m)	Dia(m)	Depth to water (m)			
									2023	2024	2025
8*	Tallapalli			DW	9.10	3.00	3.00	Monsoon	2.03	2.60*	
								Post monsoon	2.05	--	
9	Tallapalli	Towards OC, 18°50'3.60"N, 79°29'34.41"E	B.Rajaiah	DW	10.50	1.20	1.20	Winter	5.97	6.80	7.09
								Pre monsoon	9.97	7.15	
								Monsoon	4.40	2.89	
								Post monsoon	6.15	5.25	
12	Ramaraopet	Nearbridge, 18°49'17.80" N, 79°30'48.89"E	GuntaChadraiah	DW	7.00	1.30	1.30	Winter	5.22	4.85	5.15
								Pre monsoon	5.67	5.60	
								Monsoon	1.08	1.00	
								Post monsoon	3.53	3.60	
14	Indaram	Opp.Essar petrol bunk, 18°49'13.91" N, 79°31'39.44"E	Kokkula Bakkaiah	DW	11.50	3x4	3X4	Winter	6.17	5.60	6.05
								Pre monsoon	3.60	6.53	
								Monsoon	3.44	2.00	
								Post monsoon	3.46	3.30	
18	Tekumatla	Along the road, 18°48'48.52" N, 79°32'37.20"E	Ricemill (Kamalakar)	DW	11.50	1.60	1.60	Winter	9.74	8.50	AB
								Pre monsoon	11.37	11.40	
								Monsoon	7.68	7.07	
								Post monsoon	8.21	3.39	
19	Tekumatla	Along the road, 18°48'40.20" N, 79°32'50.84"E	V. Ramireddy	DW	11.00	1.00	1.00	Winter	3.88	4.00	4.35
								Pre monsoon	5.07	4.70	
								Monsoon	3.10	2.10	
								Post monsoon	3.19	8.93	
20	Indaram	On the way to Tekumatla, 18°49'11.71" N, 79°31'59.03"E	Govt.Well	DW	9.30	2.00	2.00	Winter	4.86	4.26	5.83
								Pre monsoon	7.37	7.30	
								monsoon	3.73	3.00	
								Post monsoon	4.10	4.63	
22*	Rasulpalli	Near bus stop, 18°50'33.40" N, 79°33'8.13"E	Gomati sattaiah	DW	8.00	1.00	1.00	winter	2.98	2.85	2.15
								Pre monsoon	3.05	3.00	
								monsoon	1.48	1.22*	
								Post monsoon	2.44	1.47	
		Near Village junction,						Winter	5.08	6.20	4.97

Well No.	Name of the Village	Location	Owner's name	Type of well	Total depth(m)	MP (m)	Dia(m)	Depth to water (m)			
									2023	2024	2025
23	Mudikunta	18°51'43.69" N, 79°33'18.11"E	G.Rajaiah	DW	11.40	1.20	1.00	Pre monsoon	5.51	8.20	
								Monsoon	2.70	2.00	
								Post monsoon	3.28	4.60	
25	Kankur	SC Colony, 18°53'07" N, 79°32'44"E	Reguntla Posham	DW	10.00	2.30	2.30	Winter	6.82	2.63	4.00
								Pre monsoon	2.85	3.00	
								Monsoon	2.00	1.75	
								Post monsoon	2.47	3.86	
26	Jaipur	Near bus stop, 18°50'41.33" N, 79°34'43.27"E	BehindAEoff.	DW	12.00	1.00	1.00	Winter	2.99	3.45	3.80
								Pre monsoon	3.80	3.96	
								Monsoon	0.88	0.83	
								Post monsoon	1.21	2.50	
29	Mittapalli	Villagecenter, 18°52'30" N, 79°33'36"E	Gaddam Suresh goud	DW	8.00	1.00	1.00	Winter	5.73	5.33	5.45
								Pre monsoon	4.39	4.44	
								Monsoon	1.83	3.28	
								Post monsoon	4.10	5.27	
30	Elkanti	Village center, 18°48'07"N, 79°34'24"E	Jalampalli Poshamallu (GDK10A-Maz.)	DW	10.00	2.40	2.40	Winter	6.72	4.40	7.05
								Pre monsoon	9.70	8.20	
								Monsoon	1.70	1.60	
								Post monsoon	2.73	3.60	
31	Ponnaram	Opp.to TSSWR School, 18°55'26.88" N, 79°32'31.76"E	Penchal Anjanna	DW	8.00	1.00	1.00	Winter	3.40	3.83	3.63
								Pre monsoon	4.67	4.71	
								Monsoon	2.08	1.88	
								Post monsoon	3.11	2.20	
32	Gudipalli	Along the main road, 18°54'4.14"N, 79°32'25.41"E	Lingaiah	Ag.W	11.00	5.00	5.00	Winter	6.91	6.98	5.74
								Pre monsoon	7.67	7.71	
								Monsoon	3.38	2.48	
								Post monsoon	5.73	--	
33	Gangipalli	Primary school road, 18°48'31.31" N, 79°35'4.60"E	Opp.Naredla Thirupathi reddy	DW	10.00	1.50	1.50	Winter	4.63	7.56	5.20
								Pre monsoon	Dry	5.28	
								Monsoon	4.75	2.44	
								Post monsoon	4.88	5.13	

Well No.	Name of the Village	Location	Owner's name	Type of well	Total depth(m)	MP (m)	Dia(m)	Depth to water (m)			
									2023	2024	2025
36	Shetpalli	Near Hanuman temple, 18°46'52" N, 79°34'26"E	Rangu Kittaiah	DW	8.00	2.00	2.00	Winter	6.87	3.75	3.90
								Pre monsoon	4.10	6.50	
								monsoon	3.02	1.56	
								Post monsoon	3.21	3.30	
37	Jaipur	Opp.to Post office, 18°50'45.19" N, 79°35'10.70"E	Beeskula Mallaiah	DW	10.00	1.50	1.50	Winter	6.96	6.82	2.90
								Pre monsoon	7.02	7.72	
								Monsoon	4.08	3.60	
								Post monsoon	4.49	3.43	
39	Narwa	Village entrance, 18°51'09" N, 79°33'49"E	Salluri venkatesh SCCL Employee	DW	12.00	2.00	2.00	Winter	8.81	8.82	10.70
								Pre monsoon	10.50	10.69	
								Monsoon	6.08	4.90	
								Post monsoon	7.75	9.00	
40	Gudipalli	OpptoSC Colony, 18°54'6.84"N, 79°32'12.90"E	Segyam rajuwell/Openland	DW	10.00	0.65	2.50	Winter	6.54	6.50	AB
								Pre monsoon	dry	8.10	
								Monsoon	3.23	2.49	
								Post monsoon	5.18	WD	
41	VenkataRaopalli	Villagecenter, 18°52'6.46"N, 79°34'33.74"E	Durgam Kishtaiah	DW	12.00	0.50	3.00	Winter	6.28	7.50	8.10
								Pre monsoon	7.67	8.00	
								Monsoon	3.39	3.00	
								Post monsoon	4.05	5.65	
42	Narsingapur	Near Hanuman temple, 18°47'17.08" N, 79°35'17.18"E	Naskur Mallaiah	DW	12.00	1.00	1.00	Winter	5.39	6.25	6.30
								Pre monsoon	8.28	8.28	
								Monsoon	2.74	1.00	
								Post monsoon	3.45	6.10	
43	Bejjala	Village Centre, 18°46'11.73" N, 79°34'53.69"E	ThotaBapu, Adj.to Grampanchayath	DW	10.00	2.00	3.00	Winter	4.91	4.30	4.67
								Pre monsoon	5.93	6.12	
								Monsoon	2.56	3.00	
								Post monsoon	3.78	4.02	
	Maddulapalli	Village center,	SandhanaveniBala					Winter	5.99	3.74	5.80

Well No.	Name of the Village	Location	Owner's name	Type of well	Total depth(m)	MP (m)	Dia(m)	Depth to water (m)			
									2023	2024	2025
45		18°47'2.53"N, 79°36'12.36"E	iah/ SCCL Employee	DW	9.00	2.00	2.00	Pre monsoon	6.47	6.41	
								Monsoon	0.88	2.00	
								Post monsoon	1.38	5.76	
46	Polampalli	Indirama colony, 18°50'25.66" N, 79°39'8.63"E	Dharshinala Madhukar	DW	7.50	1.00	1.00	Winter	4.64	3.54	5.50
								Pre monsoon	4.80	5.00	
								Monsoon	1.80	1.00	
								Post monsoon	3.24	5.40	
47	Bhimaram	Alongthehighway, 18°50'51.85" N, 79°40'38.25"E	Bandari Ramaiah	DW	11.00	0.30	1.00	Winter	4.18	WD	4.17
								Pre monsoon	WD	WD	
								Monsoon	NA	1.00	
								Post monsoon	WD	3.46	
48	Bhimaram	Padmashaliwada, 18°51'10.60" N, 79°40'18.97"E	KokkulaRamulu	DW	9.00	1.16	1.15	Winter	2.08	2.00	2.17
								Pre monsoon	2.20	2.53	
								Monsoon	1.18	1.15	
								Post monsoon	1.93	1.82	
50	Kazipalli	VillageEntrance,18°55'26.98" N, 79°38'44.18"E	Kommu Devender	DW	7.00	2.00	2.00	Winter	5.51	5.80	4.90
								Pre monsoon	6.27	6.32	
								Monsoon	3.10	2.00	
								Post monsoon	4.84	3.60	
51	Dampur	Gollawada, 18°54'45.59" N, 79°37'52.25"E	KoriviThirupathi	DW	10.50	1.90	1.90	Winter	4.57	4.30	4.40
								Pre monsoon	6.47	4.60	
								monsoon	2.64	1.90	
								Post monsoon	3.89	4.35	
52	Reddipalli	Villagecenter, 18°55'22.45" N, 79°37'12.10"E	Kudentha Nelamma	DW	10.00	2.50	2.50	Winter	3.54	4.41	3.37
								Pre monsoon	3.97	4.60	
								monsoon	2.64	2.50	
								Post monsoon	2.08	2.40	
53	Dharmaram	Villagecenter, 18°55'29.90" N, 79°36'52.94"E	SanthoshamSriram Reddy	DW	10.00	2.45	2.45	Winter	2.08	3.18	2.43
								Pre monsoon	3.22	4.03	
								Monsoon	2.77	2.45	
								Post monsoon	1.80	2.00	
		Opp.to Bharat						Winter	3.18	3.20	3.63

Well No.	Name of the Village	Location	Owner's name	Type of well	Total depth(m)	MP (m)	Dia(m)	Depth to water (m)			
									2023	2024	2025
54	Theegalpahad	petroleum bunk, 18°51'23.15" N, 79°29'24.72"E	Md.Rahman S/o Kaleel	DW	10.00	2.00	2.00	Pre monsoon	4.37	5.60	
								Monsoon	2.36	2.00	
								Post monsoon	3.11	2.53	
55	Mudikunta	Village center,18°51'42.63" N, 79°33'16.24"E	Pagala Shankaraiah S/o Gattaiah	DW	15.00	2.20	2.20	Winter	5.10	3.35	AB
								Pre monsoon	11.07	10.50	
								Monsoon	2.70	2.20	
								Post monsoon	3.65	WD	
56	Mancherial	Opp.Sunnam batti wada, 18°51'47.99" N, 79°27'25.30"E	Pesara Rayalingu	DW	15.00	2.20	2.20	Winter	8.91	8.45	9.30
								Pre monsoon	8.45	8.60	
								Monsoon	4.19	2.20	
								Post monsoon	6.80	6.45	

Note: TD:Total depth, MP: Measuring point ,WD: Well Damaged. Out of 56 observation wells Well No.:4,10,11,13,15,18,,21,24,27,28,34,35,38,40,44,49&55 are Abandoned.

ATTITUDE OF PIEZOMETRIC SURFACE AROUND SRIRAMPUR OC-II EXPANSION PROJECT

Piezometric well no.	Location	Depth (m)	Dia. (m)	Measuring point (m)	Depth to water (m)				
					Winter 2024	Pre monsoon 2024	Monsoon-2024	Post Monsoon-2024	Winter-2025
SRP_OCP.II PW-8	Near Project Office sub-station. About 125m from N side of quarry surface limit. (N18^{0}51'4.12" – E 79^{0}29'39.90")	50	0.10	0.40	22.98	23.80	17.70	21.55	21.95
SRP_OCP.II PW-10	Road to SRP bus stand, about 300m from N side of quarry surface limit (N18^{0}51'7.10" – E 79^{0}30'11.26")	50	0.1	0.50	15.90	17.07	17.00	18.80	19.40
*SRP_CSIRO PW-12	West side External dump area. Near to Thallapalli village (N18^{0}49'50.573" - E 79^{0}29'06.202")	50	0.1	0.2	2.00	2.65	NA	NA	NA
*SRP_CSIRO PW-13	West side External dump area. Road to Godavari river (N18^{0}49'45.286" – E 79^{0}29'06.811")	50	0.1	0.2	3.25	4.22	2.20	3.80	4.00
*SRP_CSIRO PW-14	West side External dump area. Road to Godavari River (N18^{0}49'32.305" – E 79^{0}28'50.154")	50	0.1	0.2	4.55	6.48	4.24	4.80	4.85

Note:-TD: Total depth, MP: Measuring point, NA: Not Approachable and AB: Abandoned.

Piezometric well No.: SRPOCP-I_ PW_1 to 7, 9 & 11 were abandoned.

Block / Mine : **IKOCP** Area: **Srirampur**

Piezometric Well No.	Location	Depth (m)	Dia (m)	MP (m)	Depth to water(m)				
					Winter-2024	Pre Monsoon-2024	Monsoon -2024	Postmonsoon -2024	Winter-2025
IKOCP-PW1	On the way to PO office, adj. to coal transport road, Dip side of theproject.3057126.41,949693.45	250	0.10	1.35	15.00	16.56	14.00	13.50	42.43
IKOCP-PW2	Near Indaram village, On the way to PO office adj. to coal transport road, Dip side of the project.3056296.11,950728.54	250	0.10	1.35	28.14	30.16	25.00	26.00	26.50

ATTITUDE Of PHREATIC SURFACE IN GODAVARI VALLEY COALFIELD

Area: **CHENNUR**

Well No.	Name of the Village	Location	Owner's Name	Type of well	TD (m)	MP (m)	Dia (m)	Winter-2025 DTW (m)
5	Chennur	Srinagar Colony, 18°51'16.48"N, 79°46'56.91"E	Sabbani Devaiah	DW	8.50	0.50	1.20	5.60
8	Chennur	Theatre line 18°51'27"N, 79°47'18"E	Bomma Rambai	DW	10.00	0.60	0.80	9.33
14	Chennur	Bokkala gudem, 18°51'30"N, 79°48'03"E	Govt Well	DW	11.00	0.50	3.50	4.86
15	Kistampet	Opp. ZPHS School, 18°50'52.81"N, 79°45'14.11"E	Bera Chiranjeevi	DW	7.00	0.55	3.60	3.97
16	Ellakkapet	Towards Lambadipalli road, 18°51'24.53"N, 79°45'45.78"E	Opp. to Cheruvu	Ag. W	10.00	GL	8.00	4.50
17	Shivalingapur	18°52'56"N, 79°47'54"E	Sheelam Madhanaiah	DW	8.00	0.50	1.30	5.61
18	Buddaram	End of the village, 18°54'51"N, 79°42'50"E	Katavena Odelu	Ag. W	9.50	0.40	2.70	AB
19	Kotapalli	Towards Vemanapalli 18°57'20.76"N, 79°47'24.35"E	Kashetti Ramaiah	DW	11.00	0.50	1.50	AB

Note:- TD: Total Depth, MP: Measuring point, Ag W: Agriculture well, DW: Domestic well and out of 19 observation wells, Well no. from 1 to 4, 6, 7 & from 9 to 13 and no. 18&19 are abandoned.

ANNEXURE- VI.

Surface Water Sampling Locations

Sl. No.	Sampling code	Date of Sampling		Sampling Location	Latitude	Longitude
		1st Quarter	2nd Quarter			
1	SW-1	14.10.2024	28.12.2024	Godavari River Upstream (near sitharampalli)	N 18° 49' 33.5"	E 79° 28' 21.5"
2	SW-2	14.10.2024	28.12.2024	Godavari River Downstream (shettipalli)	N 18° 53' 41.8"	E 79° 40' 32.6"
3	SW-3	14.10.2024	28.12.2024	Naspur Tank	N $18^0$52'5"	E $79^0$87'15"

Groundwater Sampling Locations

Sl. No.	Sampling code	Date of Sampling		Sampling Location	Latitude	Longitude
		1st Quarter	2nd Quarter			
1	GW-3	14.10.2024	28.12.2024	Ramaraopet Village	N 18° 49' 20.8"	E 79° 30' 53.1"
2	GW-4	14.10.2024	28.12.2024	Srirampur Village	N 18° 51' 18.4"	E 79° 29' 28.7"

Physico-Chemical and Bacteriological Characteristics of Surface Water

Physico-Chemical and Bacteriological Characteristics of Surface Water as per CPCB Water Quality Criteria

S. No	Parameters	Unit	Test Method	CPCB Water Quality Criteria					RESULT					
				Class A	Class B	Class C	Class D	Class E	**SW-1** Godavari River Upstream		**SW-2** Godavari River downstream		**SW-3** Naspur Tank	
									1st Quarter	2nd Quarter	1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
1	pH	-	4500-H^+B	6.5-8.5	6.5-8.5	6.0–9.0	6.5-8.5	6.0-8.5	8.0	8.6	8.3	8.5	7.7	8.4
2	Electrical Conductivity	µmhos/cm	2510-B	-	-	-	-	2250 µmhos/cm	445	775	625	960	990	1220
3	Dissolved Oxygen (DO)	mg/L	4500-O.C	6 mg/l or more	5 mg/l or more	4 mg/l or more	4 mg/l or more	-	6.3	5.8	6.4	5.7	6.3	5.5
4	Bio chemical Oxygen Demand (3 days 27° C)	mg/L	IS: 3025	2 mg/l or less	3 mg/l or less	3 mg/l or less	-	-	2.0	2.8	2.4	2.9	3.2	2.6
5	Total Coliforms	MPN/ 100mL	9221B	50 or less	500 or less	5000 or less	-	-	170	140	220	170	240	130
6	Free Ammonia (as N)	mg/L	4500-NH_3 –F	-	-	-	1.2 mg/L or less	-	BDL	BDL	BDL	BDL	BDL	BDL
7	Boron as B	mg/L	3120-B	-	-	-	-	Less than 2 mg/L	0.12	0.09	0.15	0.12	0.13	0.1
8	SAR	-	-	-	-	-	-	Less than 26	0.65	1.69	0.87	1.63	1.58	2.20

Physico-Chemical Characteristics of Surface Water at Selected Locations in the Study Area

S. No	Parameters	Unit	Test Method	SW-1 Godavari River Upstream		SW-2 Godavari River downstream		SW-3 Naspur Tank	
				1st Quarter	2nd Quarter	1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
1.	Colour	Hazen	2120. B	5	10	5	10	5	10
2.	Odour	TON	2150. B	No odour observed	No odour observed	No odour observed	No odour observed	No odour observed	No odour observed
3.	Temperature	ºC	2550. B	25	24.8	25	24.8	25	24.8
4.	Turbidity	NTU	2130. B	1.6	1.31	1.9	1.28	2.4	1.36
5.	Total Dissolved Solids at 180º C	mg/L	2540.C	265	464	374	580	592	734
6.	Total Suspended Solids at 105º C	mg/L	2540. D	16	18	12	16	18	22
7.	Chemical Oxygen Demand	mg/L	5220. D	20	40	24	36	32	44
8.	Calcium as Ca	mg/L	3500-Ca.B	32	44	44	60	77	72
9.	Magnesium as Mg	mg/L	3500-Mg.B	24	37	35	46	36	51
10.	Sodium as Na	mg/L	3500-Na.B	20	63	32	69	67	100
11.	Potassium as K	mg/L	3500-K.B	3.6	4.17	2.7	5.58	8.0	7.05
12.	Chlorides as Cl^-	mg/L	4500-Cl^-.B	30	70	47	68	112	122
13.	Sulphates as SO_4^{2-}	mg/L	4500-SO_4^{2-}.E	48	54	55	108	121	137
14.	Fluoride as F^-	mg/L	4500-F^-.C	0.9	0.84	0.44	0.52	0.7	0.89
15.	Nitrates as NO_3	mg/L	4500-NO_3^-.B	4.5	2.6	3.9	2.3	7.1	12.3
16.	Nitrites as NO_2	mg/L	4500-NO_2^-.B	BDL	BDL	BDL	BDL	BDL	BDL
17.	Total Phosphates	mg/L	4500-P-D	BDL	BDL	BDL	BDL	BDL	BDL
18.	Ammonical Nitrogen as NH_3-N	mg/L	4500-NH_3-C	BDL	BDL	BDL	BDL	BDL	BDL
19.	Phenolic compounds as C_6H_5OH	mg/L	5530-D	BDL	BDL	BDL	BDL	BDL	BDL
20.	Oil & Grease	mg/L	5520. B	<1	<1	<1	<1	<1	<1
21.	Carbonates as CO_3	mg/L	2320. B	Nil	20	Nil	5	Nil	20
22.	Bi-carbonates as HCO_3	mg/L	2320. B	160	300	240	350	255	370

S. No	Parameters	Unit	Test Method	SW-1 Godavari River Upstream		SW-2 Godavari River downstream		SW-3 Naspur Tank	
				1st Quarter	2nd Quarter	1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
23.	Fecal Coliforms	MPN/100mL	9221 E	21	11	27	21	22	17
24.	Zinc as Zn	mg/L	3120. B	0.14	0.13	0.09	0.09	0.22	0.15
25.	Iron as Fe	mg/L	3120. B	0.35	0.38	0.47	0.49	0.39	0.52
26.	Arsenic as As	mg/L	3120. B	BDL	BDL	BDL	BDL	BDL	BDL
27.	Lead as Pb	mg/L	3120. B	BDL	BDL	BDL	BDL	BDL	BDL
28.	Cadmium as Cd	mg/L	3120. B	BDL	BDL	BDL	BDL	BDL	BDL
29.	Total Chromium as Cr	mg/L	3120. B	BDL	BDL	BDL	BDL	BDL	BDL
30.	Nickel as Ni	mg/L	3120. B	BDL	BDL	BDL	BDL	BDL	BDL
31.	Copper as Cu	mg/L	3120-B	BDL	BDL	BDL	BDL	BDL	BDL
32.	Selenium as Se	mg/L	3120-B	BDL	BDL	BDL	BDL	BDL	BDL

Physico-Chemical, Bacteriological Characteristics of Groundwater Collected within the Study Area

Organoleptic and Physical Parameters

S. No.	Parameters	Unit	Test Method	IS: 10500 Requirement (Acceptable Limit)	IS: 10500 Permissible Limit in the absence of alternate source	RESULT			
						GW-3 Ramaraopet Village		GW-4 Srirampur Village	
						1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
1.	Colour	Hazen	2120. B	5	15	<5	5	<5	5
2.	Odour	TON	2150. B	Agreeable	Agreeable	Agree.	Agree.	Agree.	Agree.
3.	pH	-	4500-H^+B	6.5 to 8.5	No relaxation	7.5	7.5	7.6	7.3
4.	Taste	FTN	2160. B	Agreeable	Agreeable	Agree.	Agree.	Agree.	Agree.
5.	Turbidity	NTU	2130. B	1	5	0.1	0.23	0.3	0.17
6.	Total Dissolved Solids at 180^o C	mg/L	2540.C	500	2000	960	762	1010	1034

General Parameters Concerning Substances Undesirable in Excessive Amounts

S. No.	Parameters	Unit	Test Method	IS: 10500 Requirement (Acceptable Limit)	IS: 10500 Permissible Limit in the absence of alternate source	RESULT			
						GW-3 Ramaraopet Village		GW-4 Srirampur Village	
						1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
1.	Calcium as Ca	mg/L	3500-Ca.B	75	200	87	48	83	100
2.	Magnesium as Mg	mg/L	3500-Mg.B	30	100	70	37	46	75
3.	Chlorides as Cl-	mg/L	4500-Cl-.B	250	1000	198	162	248	288
4.	Sulphates as SO42-	mg/L	4500-SO42- .E	200	400	148	163	187	55
5.	Fluoride as F-	mg/L	4500-F-.C	1.0	1.5	1.2	0.35	0.62	0.56
6.	Nitrates as NO3	mg/L	4500-NO3-.B	45	No relaxation	12	28	30	43
7.	Total Alkalinity as CaCO3	mg/L	2320. B	200	600	470	255	350	488
8.	Total Hardness as CaCO3	mg/L	2340. C	200	600	505	272	397	559
9.	Sulphide as H_2S	mg/L	4500-S2-F&D	0.05	No relaxation	BDL	BDL	BDL	BDL
10.	Total Ammonia-N	mg/L	IS 3025 (Part 34)	0.5	No relaxation	BDL	BDL	BDL	BDL
11.	Phenolic compounds as C6H5OH	mg/L	5530-D	0.001	0.002	BDL	BDL	BDL	BDL
12.	Residual free chlorine	mg/L	4500-Cl-.B	0.2	1.0	BDL	BDL	BDL	BDL
13.	Mineral oil	mg/L	IS:3025 (part 39)	0.5	No relaxation	absent	absent	absent	absent
14.	Anionic Detergents (as MBAS)	mg/L	IS:13428:2005K	0.2	1.0	<0.2	<0.2	<0.2	<0.2
15.	Aluminium as Al	mg/L	3120-B	0.03	0.2	BDL	0.06	0.07	0.08
16.	Barium as Ba	mg/L	3120. B	0.7	No relaxation	0.14	0.15	0.25	0.19
17.	Boron as B	mg/L	3120-B	0.5	2.4	0.09	0.12	0.13	0.08
18.	Iron as Fe	mg/L	3120-B	1.0	No relaxation	0.49	0.46	0.38	0.65

19.	Zinc as Zn	mg/L	3120-B	5	15	0.17	0.11	0.12	0.18
20.	Copper as Cu	mg/L	3120-B	0.05	1.5	BDL	BDL	BDL	BDL
21.	Manganese as Mn	mg/L	3120-B	0.1	0.3	BDL	BDL	BDL	BDL
22.	Selenium as Se	mg/L	3120-B	0.01	No relaxation	BDL	BDL	BDL	BDL
23.	Silver as Ag	mg/L	3120. B	0.1	No relaxation	BDL	BDL	BDL	BDL

Parameters Concerning Toxic Substances

S.No	Parameters	Unit	Test Method	IS: 10500 Requirement (Acceptable Limit)	IS: 10500 Permissible Limit in the absence of alternate source	RESULT			
						GW-3 Ramaraopet Village		GW-4 Srirampur Village	
						1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
1.	Cadmium as Cd	mg/L	3120-B	0.003	No relaxation	BDL	BDL	BDL	BDL
2.	Cyanide as CN-	mg/L	4500-CN-.F	0.05	No relaxation	BDL	BDL	BDL	BDL
3.	Lead as Pb	mg/L	3120-B	0.01	No relaxation	BDL	BDL	BDL	BDL
4.	Mercury as Hg	µg/L	3500-Hg.B	0.001	No relaxation	BDL	BDL	BDL	BDL
5.	Molybdenum as Mo	mg/L	3120. B	0.07	No relaxation	BDL	BDL	BDL	BDL
6.	Nickel as Ni	mg/L	3120-B	0.02	No relaxation	BDL	BDL	BDL	BDL
7.	Total Arsenic as As	mg/L	3120-B	0.01	0.05	BDL	BDL	BDL	BDL
8.	Total Chromium as Cr	mg/L	3120-B	0.05	No relaxation	BDL	BDL	BDL	BDL
9.	**Pesticides:** α–BHC, β-BHC, γ-BHC, δ-BHC, o, p-DDT, p, p' –DDT, Endosulfan, β- Endosulfan, Aldrin, Dieldrin	µg/L	6630. D	Absent	0.001	ND	ND	ND	ND
	2,4-D, Carboryl (Carbonate) Malathion Methyl Parathion Anilophos, Chloropyriphos	Qualitative analysis	6630. D	Absent	0.001	ND	ND	ND	ND
10.	**Polyaromatic Hydrocarbons (PAH's):** Acenaphthene,	µg/L	6440.C	--	--	ND	ND	ND	ND

	Acenaphthylene, Anthracene, B(a)A, B(a)P, B(b)F, B(k)F, Pyrene, Dibenz (a,h) anthracene, Fluoranthene, Fluorene, Indeno (1,2,3-(d) Pyrene, Naphthalene, Phenanthrene, Pyrene, Methyl Naphthalene								

Bacteriological Quality of Drinking water

S. No.	Parameters	Unit	Test Method	IS: 10500 Requirement (Acceptable Limit)	IS: 10500 Permissible Limit in the absence of alternate source	RESULT			
						GW-3 Ramaraopet Village		GW-4 Srirampur Village	
						1st Quarter	2nd Quarter	1st Quarter	2nd Quarter
1	Total Coliforms	MPN/100 mL	9221B	-	-	<1.8	<1.8	<1.8	<1.8
2	Fecal Coliforms	MPN/100 mL	9221 E	-	-	<1.8	<1.8	<1.8	<1.8

NTU – Nephelometric Turbidity Unit; BDL – Below Detection Limit Detection Limits of Aluminium (Al), Antimony (Sb), Arsenic (As), Barium (Ba), Boron (B), Cadmium (Cd), Chromium (Cr)/Total Chromium, Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Molybdenum (Mo), Nickel (Ni), Nickel (Ni), Selenium (Se), Silver (Ag), Vanadium (V), Zinc (Zn), Phenols is 0.01mg/L. Detection Limit of Mercury (Hg), Phosphates/Total Phosphates, Nitrites NO2, Free Ammonia, Total Ammonia is 0.02mg/L. Detection Limits of Potassium (K), Sodium (Na) is 0.03mg/L. Detection Limits of Cyanide (CN), Sulfide (S2), Hexavalent Chromium Cr+6 is 0.05mg/L. Detection Limits of Nitrates as NO3, Fluoride is 0.1mg/L. Detection Limits of Residual Free chlorine, Free Available chlorine, O&G is 1mg/L. Detection Limits of Sulfate SO_4^{-2}, Ammonical Nitrogen, Total Kjeldhl Nitrogen (TKN), COD, Total Nitrogen (TN) is 5mg/L. BOD-3mg/L. ND-Not Detected; Detection Limit: Pesticides– 0.1 ppm; PAHs – 1 ppm.

Annexure – VII

Sl. No	Location of the Rain water Harvesting Pits	No.of Rain water Harvesting pits
1.	G.M's Office	01
2.	Area Stores	02
3.	Auto garage	02
4.	RK-8 Dispensary	01
5.	SRP Dispensary (Deccan Gramina Bank)	01
6.	SC High School, SRP(ITI College)	02
7.	CER Club, Srirampur (Pragathi Stadium)	02
8.	M&R Office, Srirampur	01
9.	MVTC, SRP	01
10.	C-2 Type Quarters, RK-8 Colony	01
11.	'C' Type Quarters, RK-8 Colony	02
12.	Dispensary, Naspur Colony	01
13.	G.T Hostel, Naspur Colony	02
14.	Community Hall, Naspur Colony	01
15.	M& R Office, Naspur Colony	02
16.	Venkateswara Temple, Naspur Colony	01
17.	Sub-station premises, Godavari Colony	01
18.	Sub-station premises, Nagarjuna Colony	01
19.	Guest House, CCC	01
20.	M & R Office, CCC	01
21.	RK-5 GLSR	01
22.	Pump House, CCC	01
23.	SRP OCP-II	03
	Total	**32**

ANNEXURE- VIII

Noise Monitoring Locations

Station Code	Name of the Stations	Latitude	Longitude
Core Zone			
CN8	SRP-3 & 3A Incline	N 18°51' 29.0"	E 79°30' 09.0"
Buffer Zone			
BN2	Sangamallaiahpalli Village	N 18°51'58.0"	E 79°29'23"
BN4	Srirampur Village	N 18°51'44.9"	E 79°30'14.0"

Summary of Noise Quality

Summary of Ambient Noise Levels data generated at 3 locations during the period from October 2024 – March 2025 of this mine area is presented in Table. Out of 3 locations, 1 location is in core zone and 2 locations are in buffer zone. From the half yearly data it is observed that the noise levels were well within the stipulated standards.

Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		October, 1st Fortnight			October, 2nd Fortnight		
				Noise levels in dB (A)					
Core Zone		Day time	Night time	Date of sampling	Leq Day	Leq Night	Date of sampling	Leq Day	Leq Night
CN8	SRP 3&3A Incline	75	70	14.10.2024	47.3	33.6	29.10.2024	50.5	46.8
Buffer Zone									
BN2	Sangamalliahpalli Village	55	45	10.10.2024	44.7	37.5	25.10.2024	48.7	32.9
BN4	Srirampur Village	55	45	09.10.2024	39.8	25.4	24.10.2024	47.4	34.5

Location Code	Monitoring stations	Standard limits of Noise		November, 1st Fortnight			November, 2nd Fortnight		
				Noise levels in dB (A)					
Core Zone		Day time	Night time	Date of sampling	Leq Day	Leq Night	Date of sampling	Leq Day	Leq Night
CN8	SRP 3&3A Incline	75	70	13.11.2024	51.3	46.2	27.11.2024	50.5	47.6
Buffer Zone									
BN2	Sangamalliahpalli Village	55	45	11.11.2024	46.3	36.4	25.11.2024	47.9	34.9
BN4	Srirampur Village	55	45	09.11.2024	44.8	38.3	23.11.2024	41.4	36.8

Location Code	Monitoring stations	Standard limits of Noise		December, 1st Fortnight			December, 2nd Fortnight		
				Noise levels in dB (A)					
Core Zone		Day time	Night time	Date of sampling	Leq Day	Leq Night	Date of sampling	Leq Day	Leq Night
CN8	SRP 3&3A Incline	75	70	10.12.2024	47.3	31.2	24.12.2024	48.5	39.4
BN2	Sangamalliahpalli Village	55	45	10.12.2024	36.7	35.3	24.12.2024	42.8	35.8
BN4	Srirampur Village	55	45	10.12.2024	44.4	35.7	24.12.2024	39.4	31.5

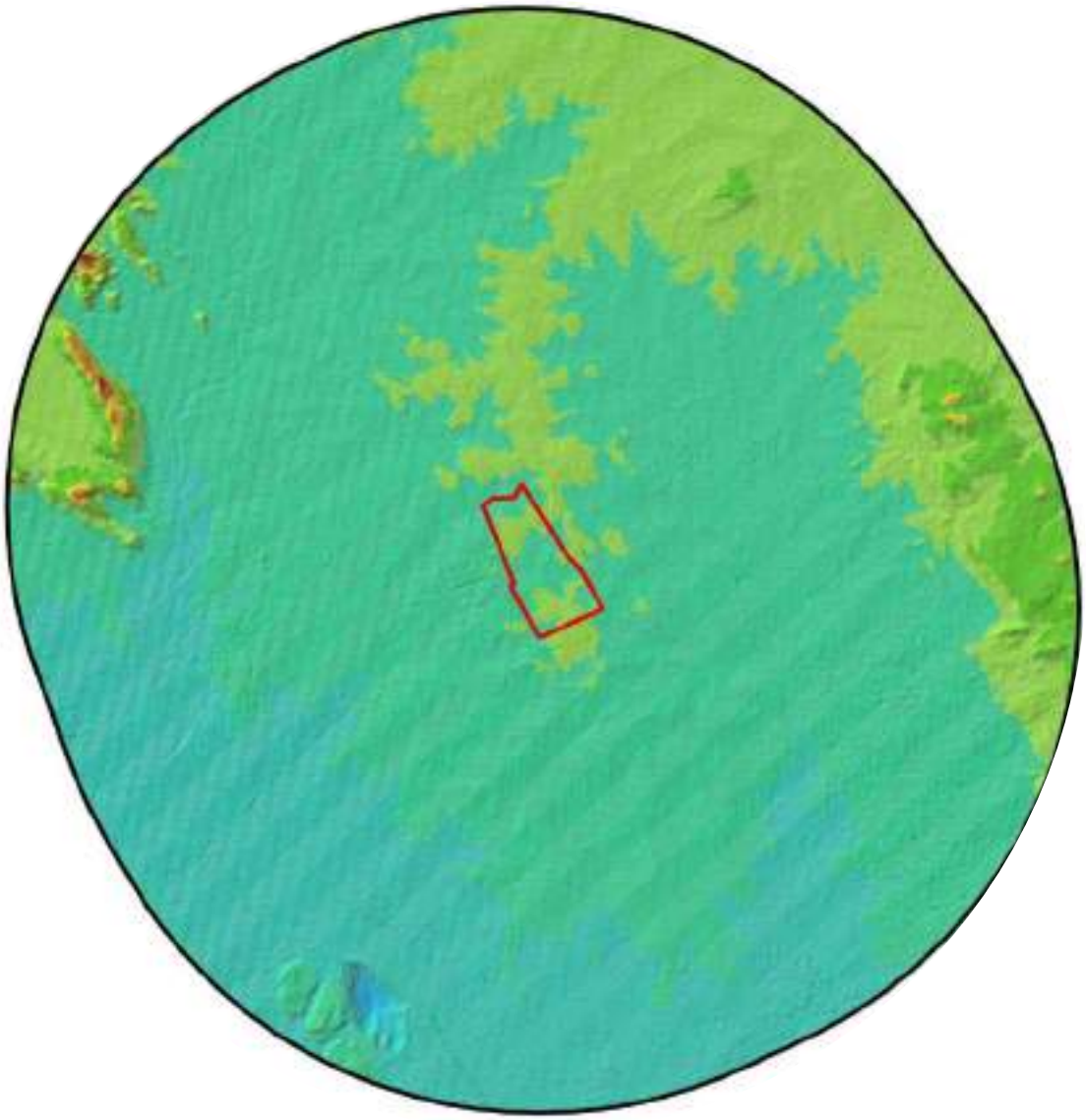
Location Code	Monitoring stations	Standard limits of Noise		January, 1st Fortnight			January, 2nd Fortnight		
				Noise levels in dB (A)					
Core Zone		Day time	Night time	Date of sampling	Leq Day	Leq Night	Date of sampling	Leq Day	Leq Night
CN8	SRP 3&3A Incline	75	70	10.01.2025	51.4	47.2	25.01.2025	45.5	37.2
Buffer Zone									
BN2	Sangamalliahpalli Village	55	45	10.01.2025	48.5	37.8	25.01.2025	40.5	36.5
BN4	Srirampur Village	55	45	09.01.2025	39.4	29.6	24.01.2025	42.1	32.7

Location Code	Monitoring stations	Standard limits of Noise		February, 1st Fortnight			February, 2nd Fortnight		
				Noise levels in dB (A)					
Core Zone		Day time	Night time	Date of sampling	Leq Day	Leq Night	Date of sampling	Leq Day	Leq Night
CN8	SRP 3&3A Incline	75	70	12.02.2025	59.2	43.6	26.02.2025	43.7	37.6
Buffer Zone									
BN2	Sangamalliahpalli Village	55	45	12.02.2025	44.5	36.6	26.02.2025	46.2	35.6
BN4	Srirampur Village	55	45	11.02.2025	42.2	36.8	25.02.2025	46.8	35.6

Location Code	Monitoring stations	Standard limits of Noise		March, 1st Fortnight			March, 2nd Fortnight		
				Noise levels in dB (A)					
Core Zone		Day time	Night time	Date of sampling	Leq Day	Leq Night	Date of sampling	Leq Day	Leq Night
CN8	SRP 3&3A Incline	75	70	12.03.2025	50.4	42.9	25.03.2025	52.8	43.0
Buffer Zone									
BN2	Sangamalliahpalli Village	55	45	12.03.2025	45.5	32.8	26.03.2025	47.9	38.7
BN4	Srirampur Village	55	45	11.03.2025	46.6	32.5	26.03.2025	47.4	34.2

Report on Land Use Land Cover Study of Core & Buffer Zone of Srirampur-3 & 3A Incline Underground Coal Mining Project

Project Location: Srirampur, Mancherial District, Telangana.
Year of Study: 2022



PROJECT PROPONENT
THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)
Department of Environment and Project Planning.
(ISO-9001-2015 certified)

ENVIRONMENT CONSULTANT
M/s Greencindia Consulting Private Limited
QCI-NABET certificate no: NABET/EIA/2023/SA0155

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1 INTRODUCTION

1.1 PURPOSE OF THE REPORT

The mining industry in India is a significant economic activity which contributes significantly to the economy of India. The mining and quarrying sector contributes around 2.5% of the Gross Domestic Product (GDP). The mining sector under the index of Industrial Production (IIP) witnessed a growth of 1.7 percent Year on Year basis. Indian economy is on the aspirational path of becoming a $5 trillion GDP economy by 2024-25. Mining Industry is going to have a sizable contribution to the envisaged GDP and wealth creation (Desk of DG & CIM 2020).

Unless mining of the minerals is properly regulated, they can show adverse consequences on environment and socio-economic components of the society. It also disturbs the Air, soil, water and ecological parameters. On the other hand, it develops the economic standard of the region. Issues of Technology for zero waste or low waste mining, relief & rehabilitation, mine closure activity need to implemented strictly and monitored otherwise leads to land degradation and other adverse consequences on environment.

The study of land use and land cover changes by remote sensing and GIS tools give valuable and accurate information for the study area. This kind of study beneficial for regulator and mine operator and developer for making sustainable planning of mine operation. In order to mitigate the impact of mineral mining on the environment, a scientific assessment is very important for framing sustainable development strategies.

The ISRO/DOS have built the framework for indigenous remote sensing system specially design for Indian sub-continent. The evolution of Indian remote sensing program over the past two decades, providing a variety of remote sensing- based solutions for national development, is an apt and timely national initiative. Some of the important projects of ISRO/DOS under the theme of LULC are given in the Table – 1-1.

Table 1-1: Major Land Use Land Cover Mapping Projects carried out by ISRO / DOS

S. No.	PROJECT NAME	YEAR
1	Nationwide Wasteland Mapping	1985, 1986 – 1999, 2003, 2005-06, 2008-09, 2015-16

Source: Desk of DG & CIM 2020 (https://www.dgms.gov.in/UserView/index?mid=1287).

S. No.	PROJECT NAME	YEAR
2	Land Use Land Cover Mapping for Planning based on Agro-Climatic Zone	1989 – 1990
3	Nationwide Wetland Mapping	1995
4	Urban Sprawl of Million Plus Cities	1988 – 1990
5	Land Use Land Cover Database for Zoning Atlas for siting of Industries	1999
6	Urban Information Systems (BMR; NCR; MMDA; AUDA, HUDA, NCRPB etc.	From 1990 onwards at different times
7	Land Use Land Cover Mapping using AWiFS data	2004 onwards at one year of interval
8	Integrated Mission for Sustainable Development	1992-1998
9	Integrated Resource Information for Desert Areas	2002
10	Land Use/Land Cover Mapping on 1: 50,000 scale	2005-06, 2011-12

A project on National Land Use/ Land Cover Mapping on 1:50,000 scale (Second Cycle) using multi-temporal Resourcesat-2 terrain corrected Linear Imaging Self Scanning Sensor (LISS) -III data was taken up by DOS, under Natural Resources Census (NRC) Project of National Natural Resources Repository (NRR) Program. The above project final outcome of the land use and land cover study for Telangana state are presented in figure 1-1. For Telangana state major land use type is Agriculture, crop land and Fallow land are 63.68 % of the total geographic area of the state. Second highest land cover type is Forest cover and plantation, which is approx. 20.52 % of the total geographic area of the state.

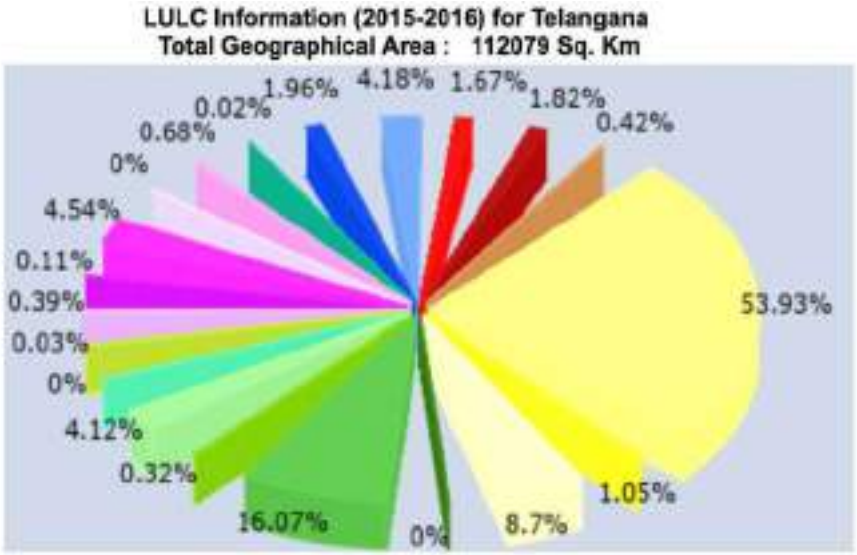

Figure 1-1: LULC statistical information (2015-2016) for Telangana state.

Date Source: National Remote Sensing Centre, Hyderabad.
(https://bhuvan-app1.nrsc.gov.in/thematic/thematic/index.php)

Table 1-2: LULC class with respective area for Telangana State

LULC Class	Area (Sq.Km)	LULC Class	Area (Sq.Km)
Builtup,Urban	1866.44	Builtup,Rural	2035.82
Builtup,Mining	466.35	Agriculture,Crop land	60442.02
Agriculture,Plantation	1176.89	Agriculture,Fallow	9748.65
Forest,Evergreen/ Semi evergreen	0.13	Forest,Deciduous	18014.42
Forest,Forest Plantation	354.02	Forest,Scrub Forest	4616.13
Forest,Swamp/ Mangroves	0.03	Grass/Grazing	32.48
Barren/unculturable/ Wastelands, Salt Affected land	434.11	Barren/unculturable/ Wastelands, Gullied/Ravinous Land	128.8
Barren/unculturable/ Wastelands, Scrub land	5087.01	Barren/unculturable/ Wastelands, Sandy area	4.99
Barren/unculturable/ Wastelands, Barren rocky	767.26	Wetlands/Water Bodies, Inland Wetland	18.97
Wetlands/Water Bodies, River/Stream/canals	2196.58	Wetlands/Water Bodies, Reservoir/Lakes/Ponds	4687.91

Date Source: National Remote Sensing Centre, Hyderabad.
(https://bhuvan-app1.nrsc.gov.in/thematic/thematic/index.php)

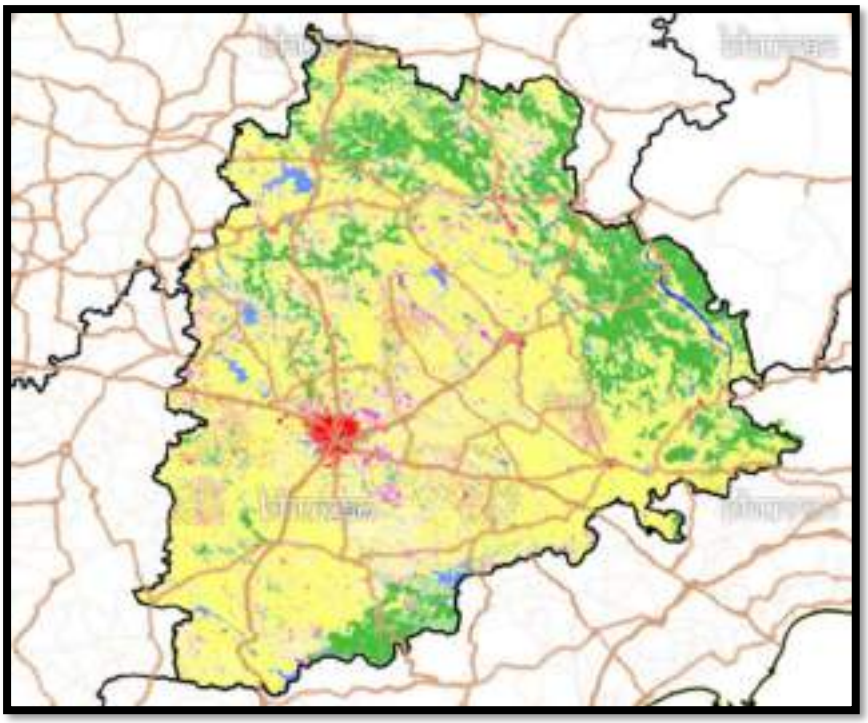

Figure 1-2: LULC map of Telangana state (2015-2016)

Date Source: National Remote Sensing Centre, Hyderabad.
(https://bhuvan-app1.nrsc.gov.in/thematic/thematic/index.php)

M/s The Singareni Collieries Company Limited, Bellampalli is holding a mining lease of Srirampur 3 & 3A Inclined Coal Mine Project with J-11015/305/2007-IA. I(M) Project for an area of 299.01 Ha at Srirampur, Mancherial District, Telangana State. EPTRI is preparing Environmental Impact Assessment Study and Environment Compliance Report to maintain Environmental Clearance for coal mining in the SCCL Project area from Ministry of Environment, Forest and Climate Change (MOEFCC), Government of India.

M/s Greencindia consultant Private Limited is an Indian company providing world-class Enterprise Geographic Information System (GIS) solutions thereby helping businesses, governments and private organizations to make timely, informed and mission-critical decisions by leveraging the power of geography.

1.2 SCOPE OF THE STUDY

The objective of the present study is to prepare the Essential (Thematic) Maps of Core zone (project area) & Buffer zone (10 Km. radius around periphery of the project) for coal mining projects to be

provided to the Ministry of Environment & Forests as part of the EIA/EMP and Environment Compliance Report, for maintaining the Environmental Clearance (EC), as per Environmental Impact Assessment Guidance Manual.

1.3 LOCATION OF THE PROJECT

The mine is covered in Srirampur, Naspur Tehsil, Mancherial District, Telangana State. The location of the Mining lease area falls under Survey of India Toposheet No E44H9 (56N/9), the geographical co- ordinates of the lease area as follows:

North-West Corner: 18° 50' 53.7683" N (Latitude), 79° 29' 30.2135" E (Longitude)
South-East Corner: 18° 52' 15.2543" N (Latitude), 79° 31' 09.0227" E (Longitude)

The 10km buffer Zone of of the Srirampur 3&3A Incline Underground Coal Mine Expansion Project is falling in E44H8(56N/5), E44H6(56N/6), E44H9(56N/9) and E44H10 (56N/10) SOI Toposheets. The buffer zone is covered in Mancherial District of Telangana State. Location Map shown in Figure 1.3

1.4 TOOLS AND RESOURCES

To meet the project requirements, M/s Greencindia consultant Private Limited has acquired the following satellite data for the study area from National Remote Sensing Centre, Hyderabad. The Resourcesat-2 imageries have been merged with the Cartosat-2E Pan A imageries for the core zone to get the high spatial and spectral information in single image. The Cartosat-2E Pan A imagery for the core zone is shown in the Figure 1-6.

Table 1-3: Details of the satellite data used for LULC study.

Details Parameters of the data Source	10 km Buffer Zone		Core Zone
	Rabi Season	**Kharif Season**	**High resolution Panchromatic Data**
Satellite:	ResourceSat-2	ResourceSat-2	CartoSat-3
Sensor:	LISS4 (MX 70)	LISS4 (MX 70)	PAN(SPOT)
Path:	100	100	12238
Row:	059	059	29
Spatial Resolution:	5.0 m	5.0 m	0.28 m

Date of pass:	13th February,2022	28th November,2022	18th April, 2022

1.5 LIMITATIONS

The limitations of Remote Sensing, Image Processing, Geographical Information Systems, cartography and GPS are applicable in this study.

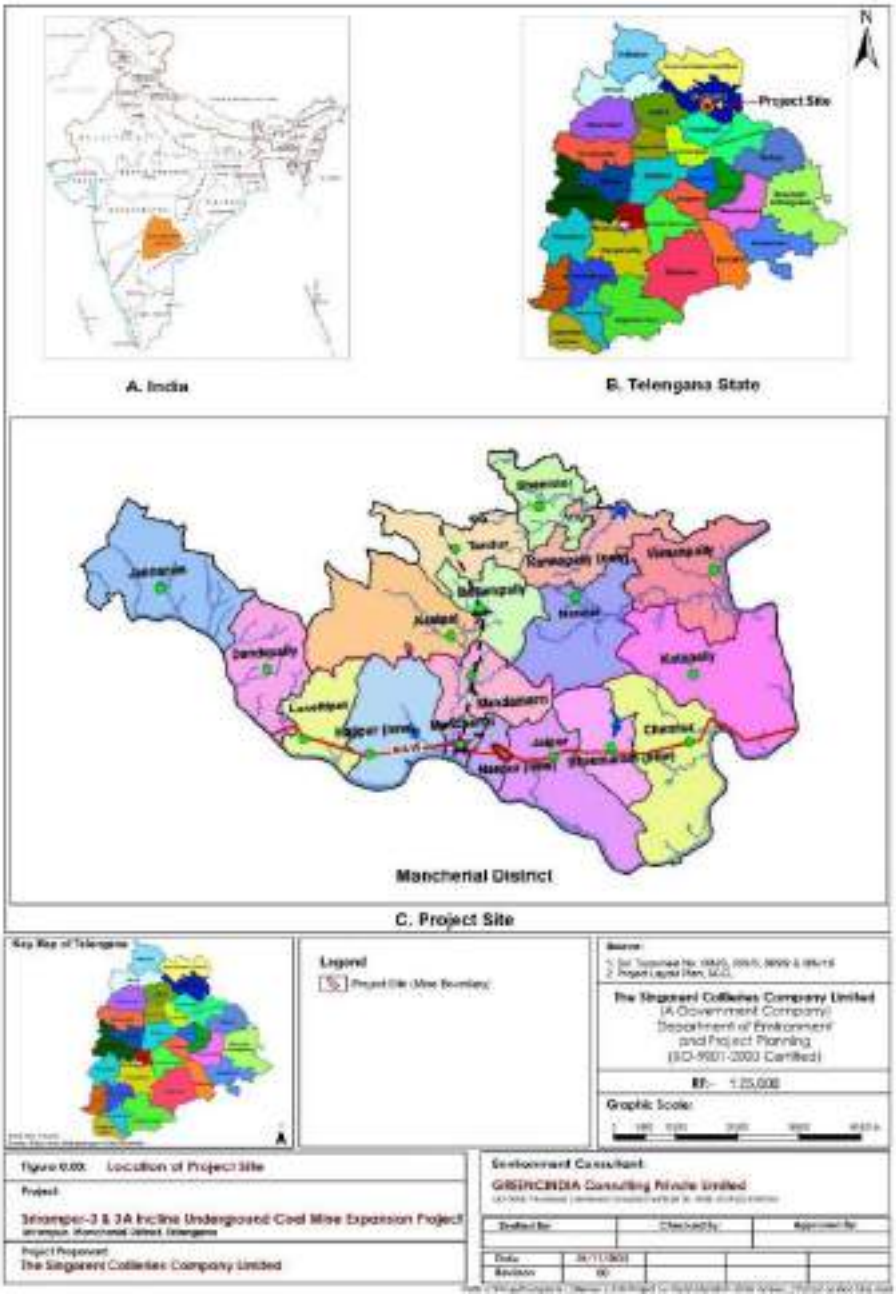

Figure 1-3: Project Location map.

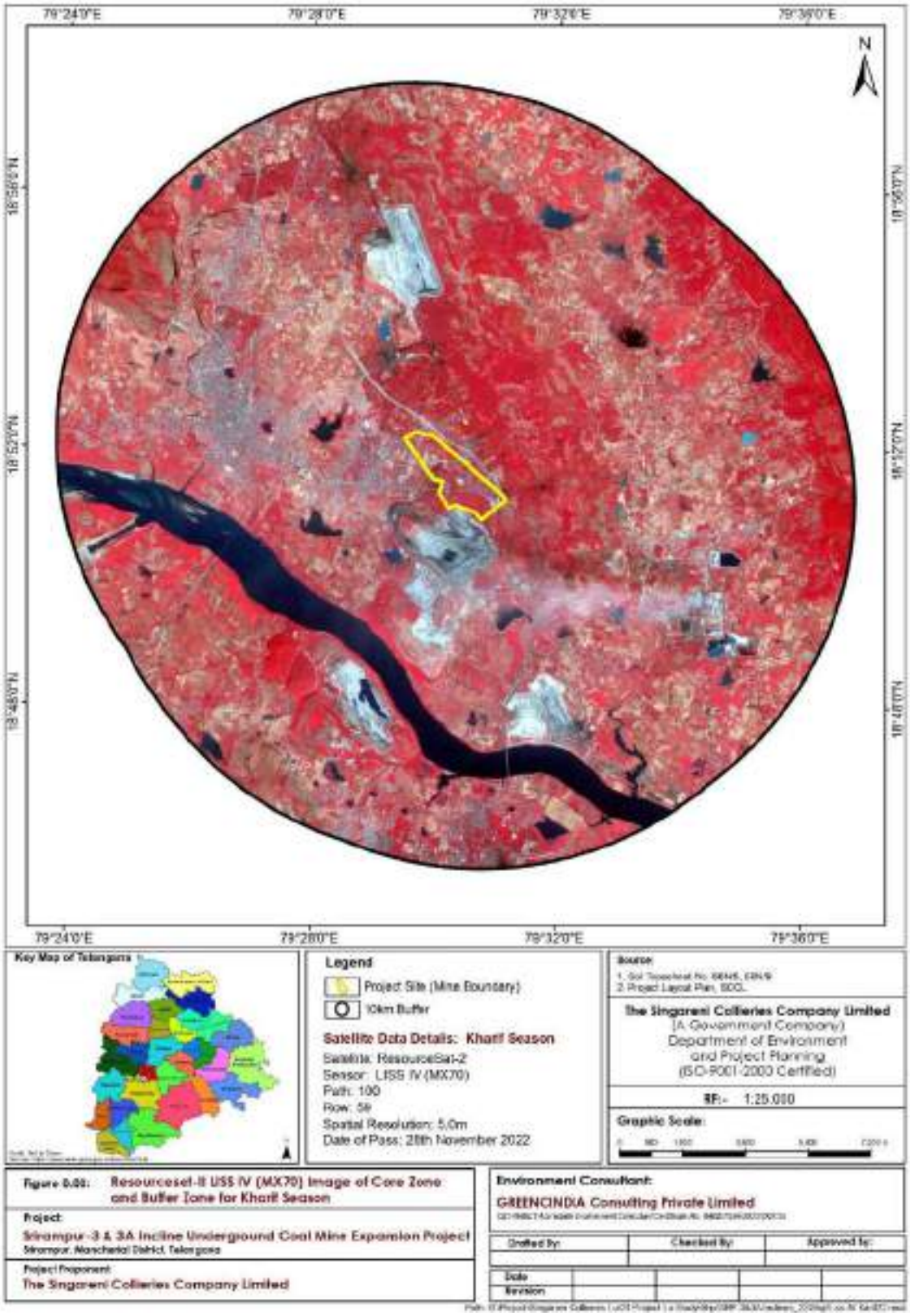

Figure 1-4: ResourceSat 02 LISS-IV (MX70) Image of Core and Buffer Zone for Kharif season.

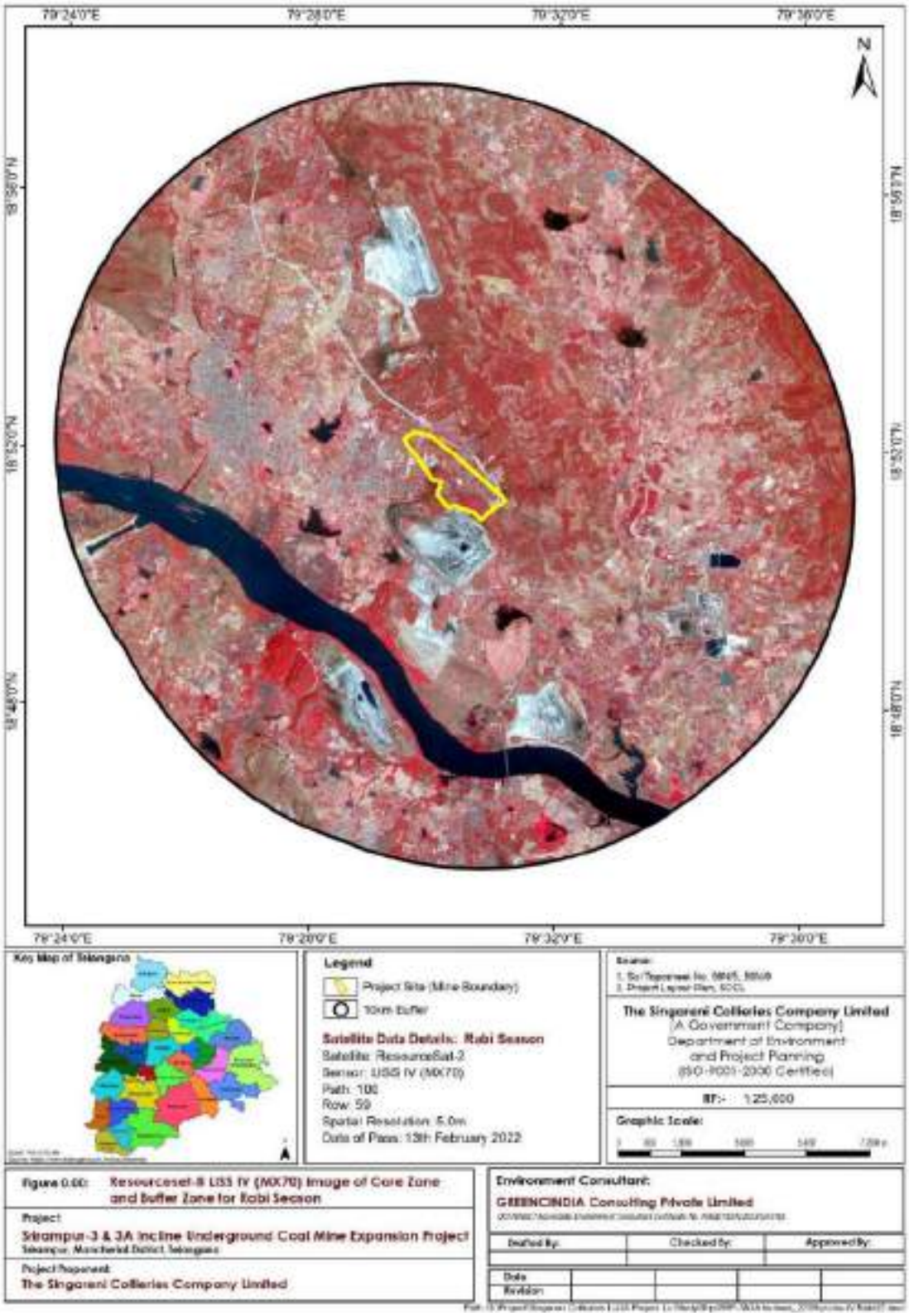

Figure 1-5: ResourceSat 02 LISS-IV (Mx70) Image of Core and Buffer Zone for Rabi season.

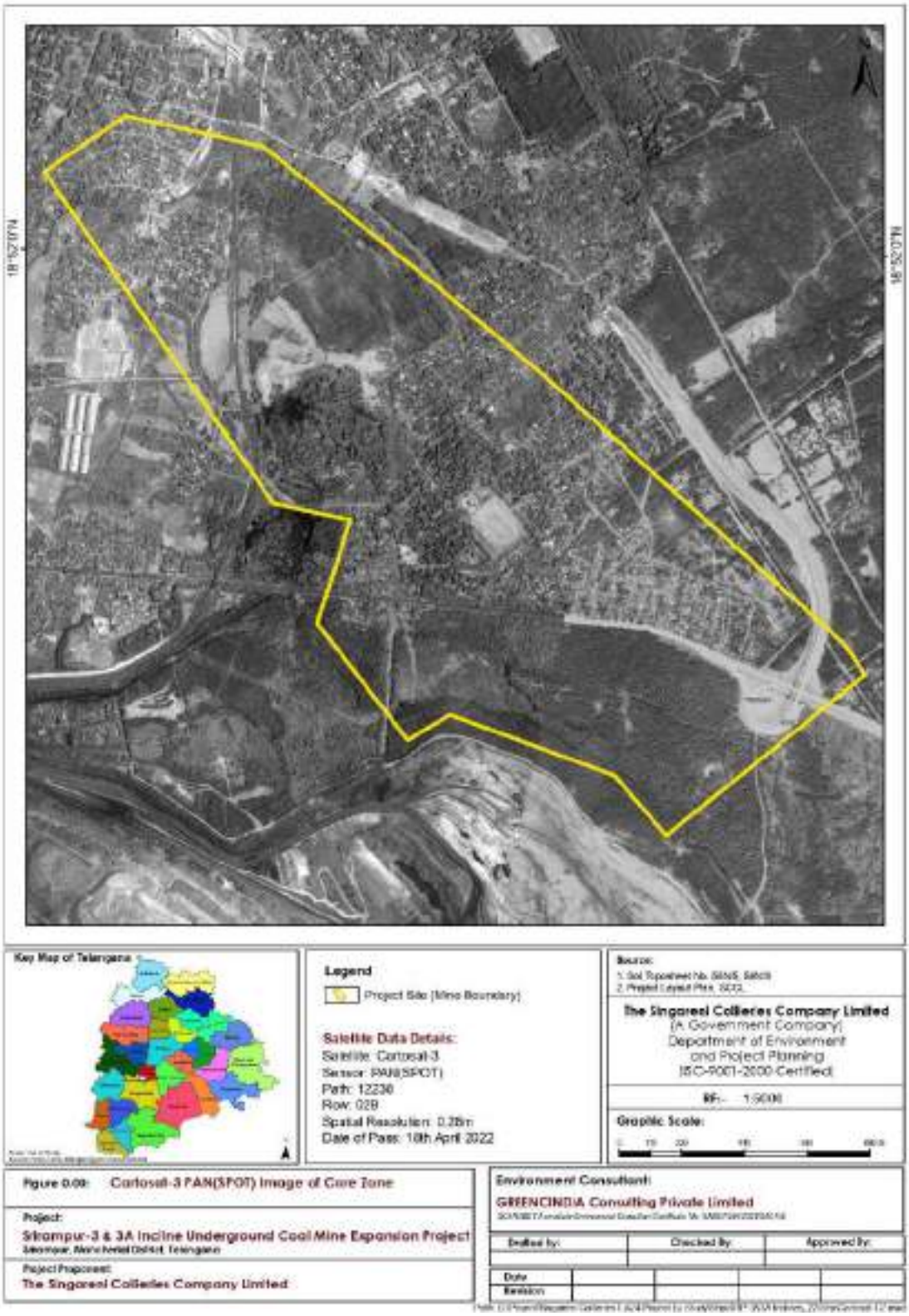

Figure 1-6: CartoSat 1 Pan A Imagery Map of The Core Zone

2 METHODOLOGY

2.1 DATA PROCESSING

For the creation of the Land use/Land cover maps, the IRS Resourcesat 2 LISS IV Multispectral satellite imageries of the Kharif and Rabi seasons for buffer zone and Cartosat 2E MX (SPOT) and PAN (SPOT) imageries for core zone were used.

ArcGIS Desktop and ArcGIS Pro software tools have been used to carry out the digital image processing, classification and on-screen digitization. At the end, a polygon map was created, with each polygon standing for a different class. Thereafter the, the classes were matched with the appropriate attributes. Using high resolution photos from independent sources, accuracy was verified.

For the purpose of creating the land use/land cover map, both remote sensing and the visual image interpretation technique of classification were used. It is a process of recognising the characteristics that appear in photographs and conveying the knowledge gathered from these images to others for the purpose of assessing their importance.

For the study area, the remote sensing and visual interpretation method was used. It includes the following six crucial steps:

1. Selection and acquisition of data
2. Pre-Processing
3. Classification
4. Ground data collection and verification
5. Post-field Interpretation and Modification
6. Computation of area
7. Final cartographic Map preparation.

Each endeavour to map the earth's natural resources must begin with a reconnaissance of the area under consideration. In order to adopt a suitable categorization scheme and interpretation key for the final map production, the preliminary survey of the area helped in familiarising with the various classes of LULC types that are present in the field.

Using the spectral properties of the classes and with reference to other sources, a final Interpretation key for the different classes was created. Table 2-1 contains the LULC classification's interpretation key.

2.2 FLOWCHART OF THE STUDY

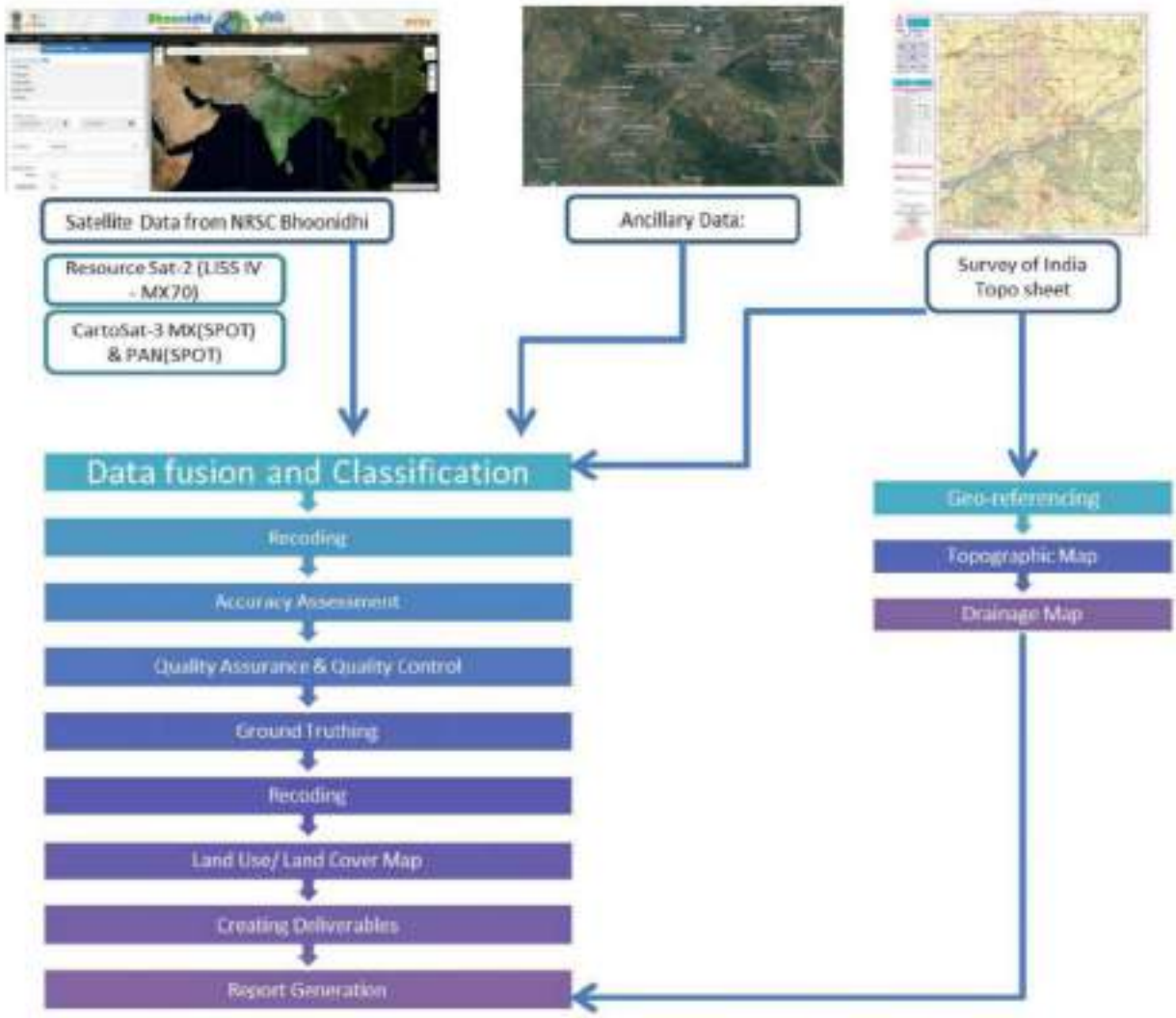

Table 2-1: Image Interpretation techniques.

S.no	LULC Class	Tone	Texture	Shape	Spectral Signature	Description
1	Water Bodies	Dark Blue orLight Blue	Smooth	Irregular /Regular		Rivers, Streamsand Ponds

S.no	LULC Class	Tone	Texture	Shape	Spectral Signature	Description
2	Mining area	Light Blueor Light Cyan with white spots	Smooth	Irregular		Place where Mining Operations are taken.
3	Industrial Establishments	Cyan or Whitish	Rough	Irregular /Regular		Large footed building inUrban and Rural Areas
4	Built-up Land	Cyan	Rough	Irregular		Urban and Rural Areas
5	Open Forest	Light Red	Smooth	Irregular		Tree Cover (If ForestCanopy Density is between10-40%)
6	Dense Forest	Dark Redto Light Red	Rough	Irregular		Tree Cover (If ForestCanopy Density>40%)
7	Roads	Cyan	Rough	Linear		Major and otherroads used for transportation
8	Barren Land	Light Blueor Light Cyan	Smooth	Irregular		Areas are sparse, stunted and contain limited biodiversity
9	Fallow Land	Light Cyan or Whitish	Medium Smooth	Regular		Fields without any Crop surrounded by small to Medium Size Settlements
10	Plantation	Blackish Red to DarkRed	Medium Smooth / Medium Coarse	Irregular/ Regular/ Rectangular		Mature or Young Plants

S.no	LULC Class	Tone	Texture	Shape	Spectral Signature	Description
11	Single Crop	Pinkish or Light Green or Light Blue or Light Cyan	Medium Smooth	Regular		Crops/Current Fallow Lands surrounded by small to Medium Size Settlements
12	Double Crop	Dark Red to Light Red	Medium Smooth	Regular		Crops Lands surrounded by small to Medium Size Settlements

ArcGIS Desktop and ArcGIS Pro were used for classification and on-screen digitisation. At the end, a polygon map was created, with each polygon standing for a different class. Afterwards, the classes were matched with the appropriate attributes. During the field visit, a handheld GPS device was used to verify the ground truth. It was discovered that the satellite image's points were highly accurate. Ultimately, a color-coded classification map and area statistics for the various LULC categories were developed.

2.3 LAND USE / LAND COVER CLASSIFICATION FOR BUFFER ZONE

IRS Resourcesat2 LISS IV Multispectral satellite imageries of the Kharif and Rabi seasons were used for buffer zone LULC classification. By assigning the necessary training sets, which were identified based on tone, texture, size, shape pattern, and location information, digital image processing was used to delineate various land use/ land cover categories in the 10 km buffer Zone, including built-up area, crop lands, forests, scrubs, land with or without scrub, and water bodies. Where there is a disagreement between the signatures of different classes, the right land use class has been identified with the necessary care. The final land use/land cover map was created after the interpreted map was only validated on the ground at limited points.

2.4 LAND USE / LAND COVER CLASSIFICATION FOR CORE ZONE

Cartosat 3 MX (SPOT) and PAN(SPOT) imageries were used for core zone LULC classification. By assigning the necessary training sets, which were identified based on tone, texture, size, shape pattern,

and location information, digital image processing was used to delineate various land use/ land cover categories in the core Zone, including active mining, area under reclamation, area under plantation, agricultural area, waste land, forest land, water body and settlements. The final land use/land cover map was created after the interpreted map was only validated on the ground.

3 LULC RESULTS AND DISCUSSION

3.1 LAND USE & LAND COVER DETAILS FOR BUFFER ZONE

The satellite imagery of the study area around 10 km from mine site (core zone boundary) as captured by satellite. The Land use land cover in this study area is given here below.

Table 3-1: Land use Land Cover details of 10km Buffer zone.

Land Use Land Cover Class	2022	
	Area in Hectares	**Area Percentage**
Water Bodies	2615.09	6.61
Mining Area	1648.38	4.16
Industrial Establishments	154.49	0.39
Built-up Land	3029.64	7.65
Open Forest	2371.42	5.99
Dense Forest	6193.62	15.65
Roads	1017.47	2.57
Barren Land	612.85	1.55
Fallow Land	1421.20	3.59
Plantation	3436.09	8.68
Single Crop	4999.60	12.63
Double Crop	8266.93	20.88
Land with/without scrub	3816.57	9.64
TOTAL AREA	**39583.35**	**100.00**

79°24'0"E 79°28'0"E 79°32'0"E 79°36'0"E

18°56'0"N 18°52'0"N 18°48'0"N

N W E S

Legend

- Project Site (Mine Boundary)
- 10km Buffer

79°24'0"E 79°28'0"E 79°32'0"E 79°36'0"E

Key Map of Telangana

Scale: Not to Scale
Source: https://www.telangana.gov.in/about/districts

Map Symbol	Land Use Land Cover Class	Area in Hectares	Area Percentage
	Water Bodies	2615.09	6.61
	Mining Area	1648.38	4.16
	Industrial Establishments	154.49	0.39
	Built-up Land	3029.64	7.65
	Open Forest	2371.42	5.99
	Dense Forest	6193.62	15.65
	Roads	1017.47	2.57
	Barren Land	612.85	1.55
	Fallow Land	1421.20	3.59
	Plantation	3436.09	8.68
	Single Crop	4999.60	12.63
	Double Crop	8266.93	20.88
	Land with/without scrub	3816.57	9.64

Source:

1. SoI Toposheet No. 56N/5, 56N/9
2. Project Layout Plan, SCCL

The Singareni Collieries Company Limited
(A Government Company)
Department of Environment
and Project Planning
(ISO-9001-2000 Certified)

RF:- 1:25,000

Graphic Scale:

0 900 1,800 3,600 5,400 7,200 m

Figure 0.00: **Land Use/Land Cover pattern map of the Buffer Zone**

Project:

Buffer Area Classification of Srirampur-3 & 3A Incline Underground Coal Mine Expansion Project

Srirampur, Mancherial District, Telangana

Project Proponent:

The Singareni Collieries Company Limited

Environment Consultant:

GREENCINDIA Consulting Private Limited

QCI-NABET Accrediate Environment Consultant Certificate No. NABET/EIA/2023/SA0155

Drafted By:	Checked By:	Approved By:

Date	25/02/2023			
Revision	00			

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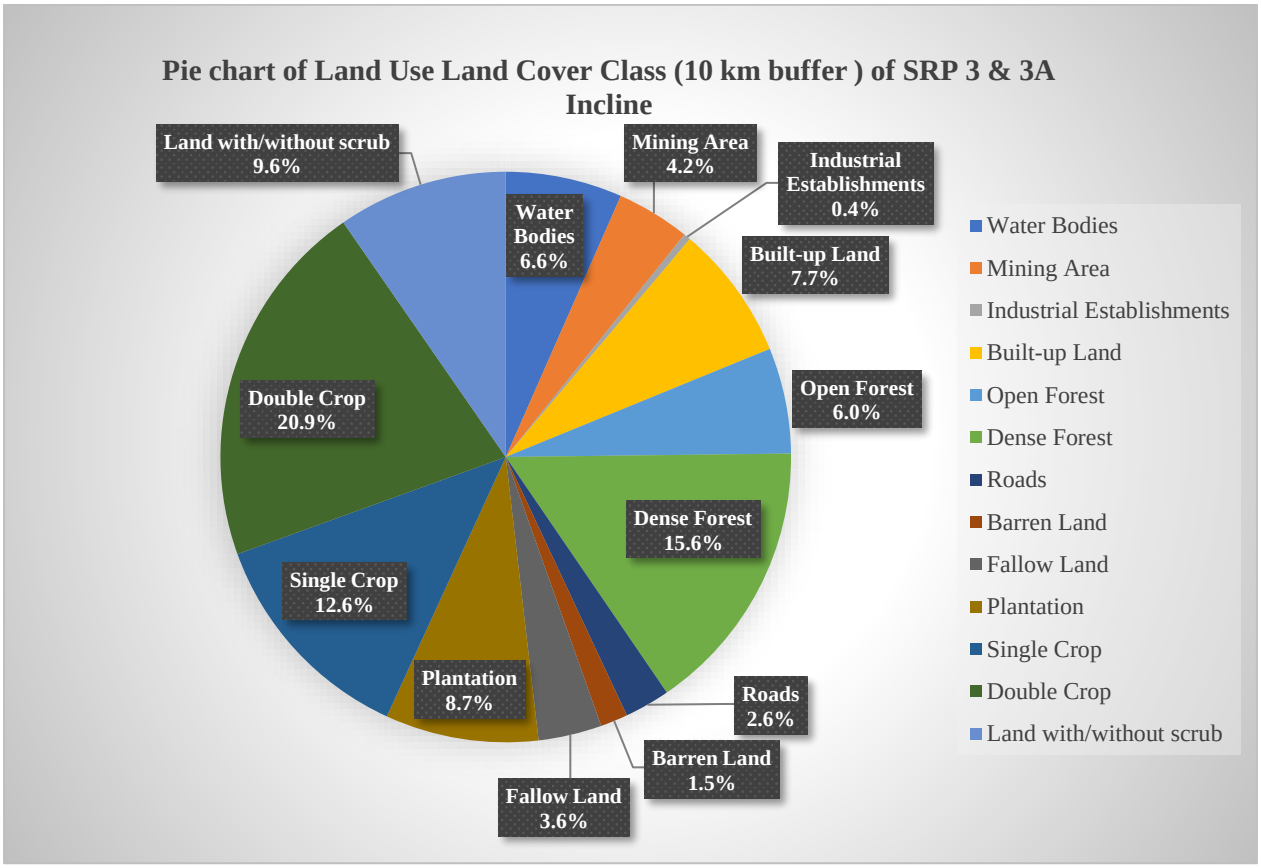

Figure 3-2: Pie chart of LULC class (10 km buffer) of SRP 3 & 3A Incline UG in 2022.

3.1.1 RESULTS FOR BUFFER AREA

The visual interpretation of the satellite imagery data along with ground verification was used to map different categories of land use/ land cover (LULC) for Buffer Area. Figure 3.2 shows the LULC map of Srirampur 3 & 3A Incline Underground Coal Mine Project for Buffer Area. The Area statistics of different categories of Buffer Area of land use/ land cover is also given in Table 3-1.

Thirteen categories of LULC were classified in Buffer Area are shown in Table 3.1. Agriculture covers the major proportion (45.78%) of Srirampur 3 & 3A Incline Underground Coal Mine Project. The forest type of this region belongs to Reserved Forest. Other land use categories included Forest, Barren land, Industrial Establishments water bodies and wasteland. Dense Forest covers 15.6% of the total area and open forest covers 6.0% of the total area.

3.1.2 LULC COMPARATIVES STUDY OF BUFFER ZONE FOR 2019 AND 2022

Table 3-2: LULC data (Buffer Zone) of 2019 and 2022

Land Use Land Cover Class	2019		2022		Area change (in %) from 2019 to 2022**
	LULC area in Hectares (2019)	Area in Percentage	LULC area in Hectares (2022)	Area in Percentage	
Water Bodies	2,082.93	5.2	2615.09	6.61	1.41
Mining Area	1,110.39	2.77	1648.38	4.16	1.39
Industrial Establishments	575.02	1.44	154.49	0.39	-1.05
Built-up Land	3,511.44	8.76	3029.64	7.65	-1.11
Open Forest	3,243.58	8.1	2371.42	5.99	-2.11
Dense Forest	6,732.22	16.8	6193.62	15.65	-1.15
Roads	1,285.91	3.21	1017.47	2.57	-0.64
Barren Land	627.42	1.57	612.85	1.55	-0.02
Fallow Land	2,053.66	5.13	1421.20	3.59	-1.54
Plantation	3,990.51	9.96	3436.09	8.68	-1.28
Single Crop	5,066.12	12.65	4999.60	12.63	-0.02
Double Crop	7,618.38	19.02	8266.93	20.88	1.86
Land with/without scrub	2,166.61	5.41	3816.57	9.64	4.23
Total Area	**40,064.19**	**100**	**39583.35**	**100.00**	**---**

** Positive and Negative value implies LULC specific class area (in %) correspondingly increases or decrease from 2019 to 2022. The formula used for calculating LULC changes is (% of area change = Percentage of LULC class area for 2022 - Percentage of LULC class area for 2019).

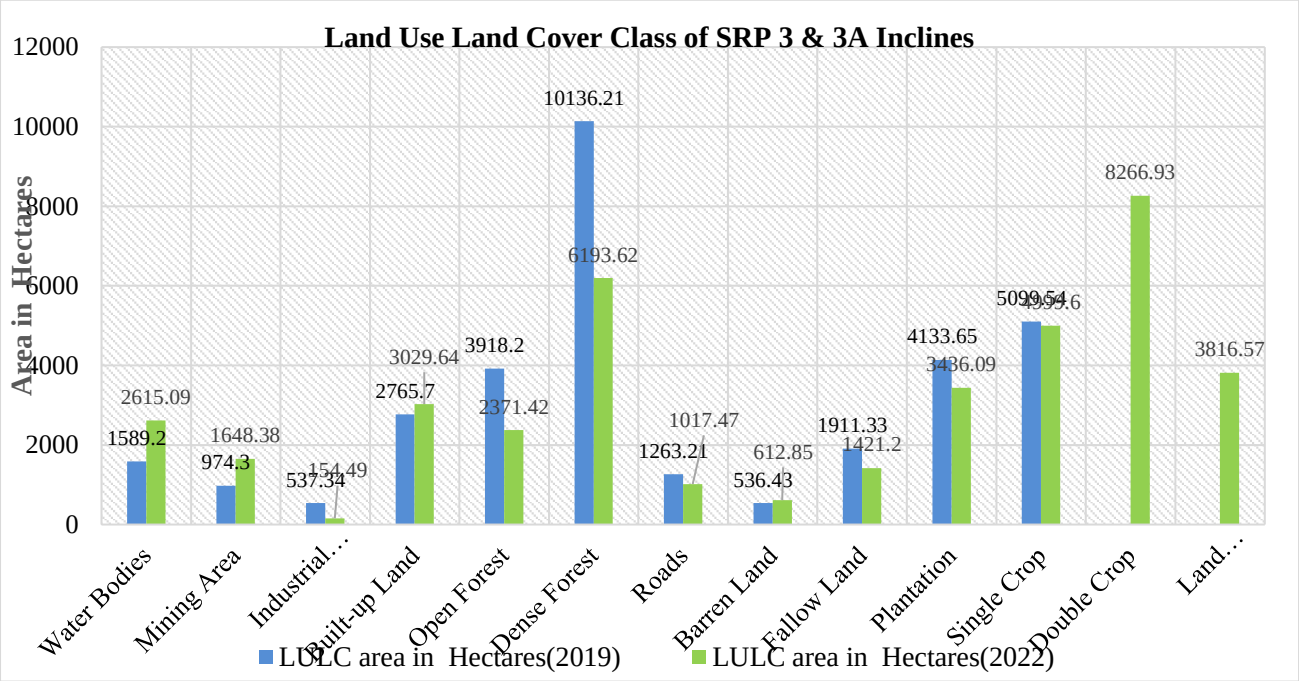

Figure 3-3: LULC Class (10 km buffer) of SRP 3 & 3A Inclines UG on 2019 and 2022.

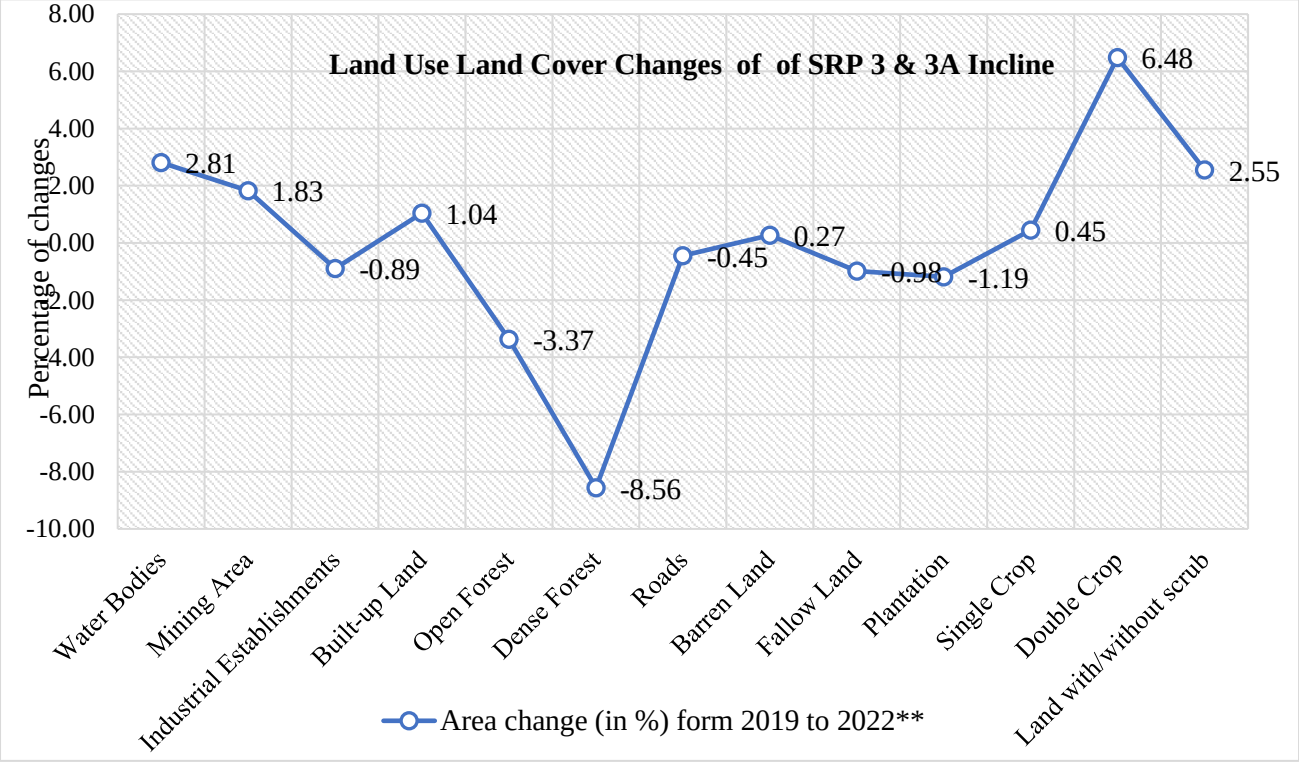

Figure 3-4: Land Use Land Cover Changes (10 km buffer) of SRP 3 & 3A Inclines UG on 2019 & 2022.

3.2 LAND USE & LAND COVER DETAILS FOR CORE ZONE

The Satellite data of the core zone of 299.01 Ha has been presented. The classified data of the Mine core zone. The extents of various Land Use/Land Cover classes pertaining to the study area.

Table 3-3: Land use Land Cover details of Core zone.

Land Use Land Cover Class	Area in Hectares	Area in Percentage
Coal Dump	0.89	0.3
Plantations Greenbelt	63.71	21.3
Plantations Scrub	24.99	8.4
Service Buildings	2.63	0.9
Sand Dump Yard	10.08	3.4
Barren Land	4.33	1.4
Settlements	91.21	30.5
Roads	22.26	7.4
Dense Forest	69.32	23.2
Open Forest	9.58	3.2
Total Area	**299.01**	100.0

3.2.1 RESULTS FOR CORE AREA

Figure 3-5 shows the LULC map of SRP 3 & 3A Inclines UG Coal Mine Project for Core Area. Area statistics of different categories of Core Area of land use/ land cover is also given in Table 3-3.

Ten Categories of LULC were classified in the core zone area. Settlements constitutes the major proportion (30.5%) of SRP 3 & 3A Inclines UG Coal Mine Project. Other land use categories include Coal dump, plantations, service buildings, sand dump yard, barren land, roads, dense forest and open forest. Plantation greenbelt covers 21.3% of the total area, plantation scrub covers 8.4% of the total area, Sand dump yard occupies 3.4% of the total area.

79°30'0"E

79°30'45"E

N

18°51'45"N

18°51'0"N

Map Symbol	Land Use Land Cover Class	Area in Hectares	Area Percentage
	Coal Dump	0.89	0.3
	Plantations Greenbelt	63.71	21.3
	Plantations Scrub	24.99	8.4
	Service Buildings	2.63	0.9
	Sand Dump Yard	10.08	3.4
	Barren Land	4.33	1.4
	Settlements	91.21	30.5
	Roads	22.26	7.4
	Dense Forest	69.32	23.2
	Open Forest	9.58	3.2

Key Map of Telangana

Scale: Not to Scale
Source: https://www.telangana.gov.in/about/districts

Legend

- Mine Boundary
- Coal Dump
- Plantations Greenbelt
- Plantations Scrub
- Service Buildings
- Sand Dump Yard
- Barren Land
- Settlements
- Roads
- Dense Forest
- Open Forest

Source:

1. Sol Toposheet No. 56N/5, 56N/9
2. Project Layout Plan, SCCL

The Singareni Collieries Company Limited
(A Government Company)
Department of Environment
and Project Planning
(ISO-9001-2000 Certified)

RF:- 1:5000

Graphic Scale:

0 110 220 440 660 880 m

Figure 0.00: Core Area Classification Srirampur-3 & 3A Incline Underground Coal Mine Expansion Project

Project:

Srirampur-3 & 3A Incline Underground Coal Mine Expansion Project
Srirampur, Mancherial District, Telangana

Project Proponent:

The Singareni Collieries Company Limited

Environment Consultant:

GREENCINDIA Consulting Private Limited
QCI-NABET Accrediate Environment Consultant Certificate No. NABET/EIA/2023/SA0155

Drafted By:	Checked By:	Approved By:

Date				
Revision				

Path: G:\Project\Singareni Collieries Lu\24 Project Lu Study\Shp\SRP-3&3A Inclines_22\Shp\LU_PS.mxd

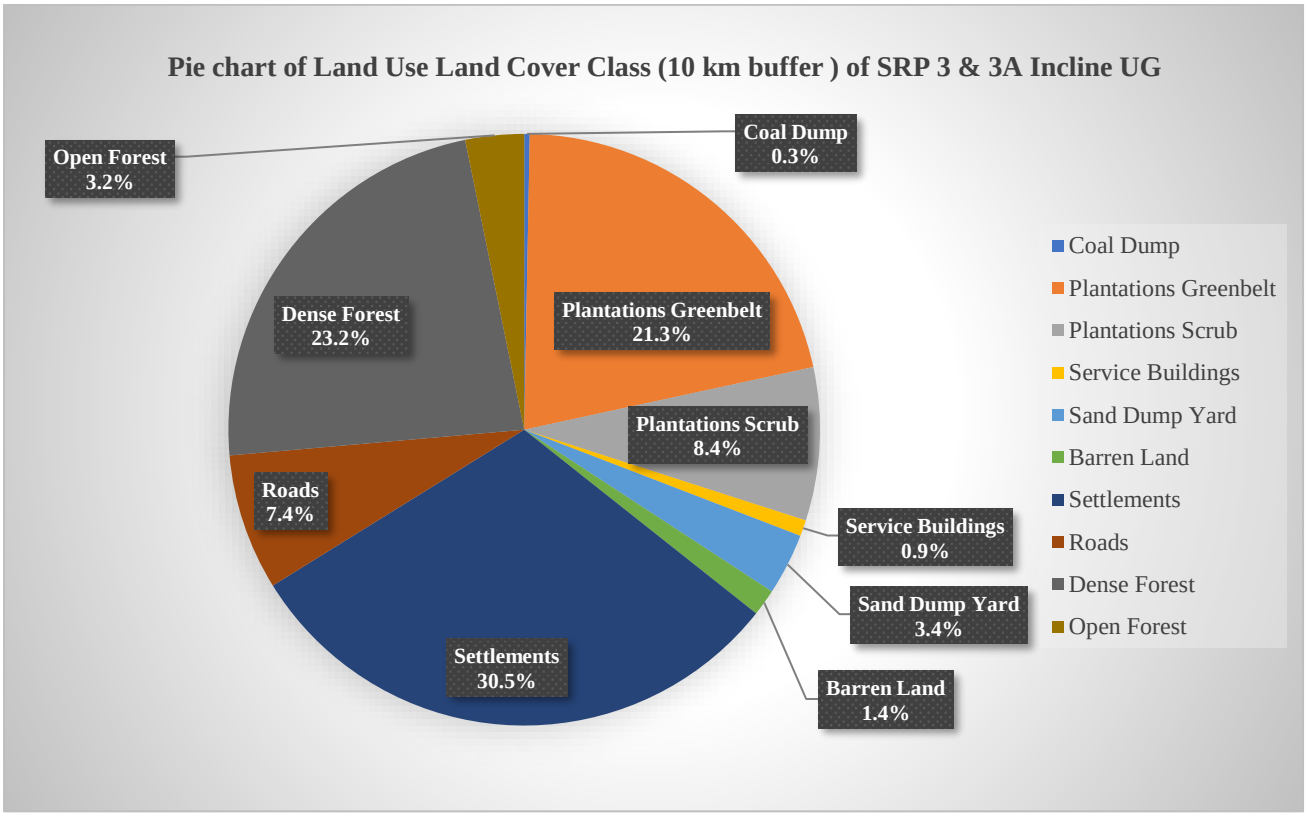

Figure 3-6: Pie chart of Land use Land Cover details of Core zone.

3.2.2 TOPOGRAPHY

Survey of India Toposheets E44B3(56M/3), E44B4(56M/4), E44B7(56M/7) and E44B8(56M/8) has been used for the topography studies. The 10km buffer zone from the core zone boundary i.e. mine lease area of SRP 3 & 3A Inclines UG Coal Mine Project is mostly plain area, the elevation values range between 5m to 600m.

The buffer zone covers the reserved forests namely Indaram Reserve Forest, Mittapalli Reserve Forest and Rali Reserve Forest. Ralla vagu, Rali vagu, Pedda vagu, Tolla vagu, Ponnaram cheruvu, Uda cheruvu, Pedda cheruvu, Jangaon Ora cheruvu, Medapalli Cheruvu and Godavari River are passing through the buffer zone.

The buffer zone is covered with 1- 4th order streams. Mancherial, Shrampuram, Hanumannagar, Godavarikhani and Ravindrakhani R S are the major urban Settlements that are covered in the 10km buffer zone. The South- Central Railway main line is passing in the buffer zone.

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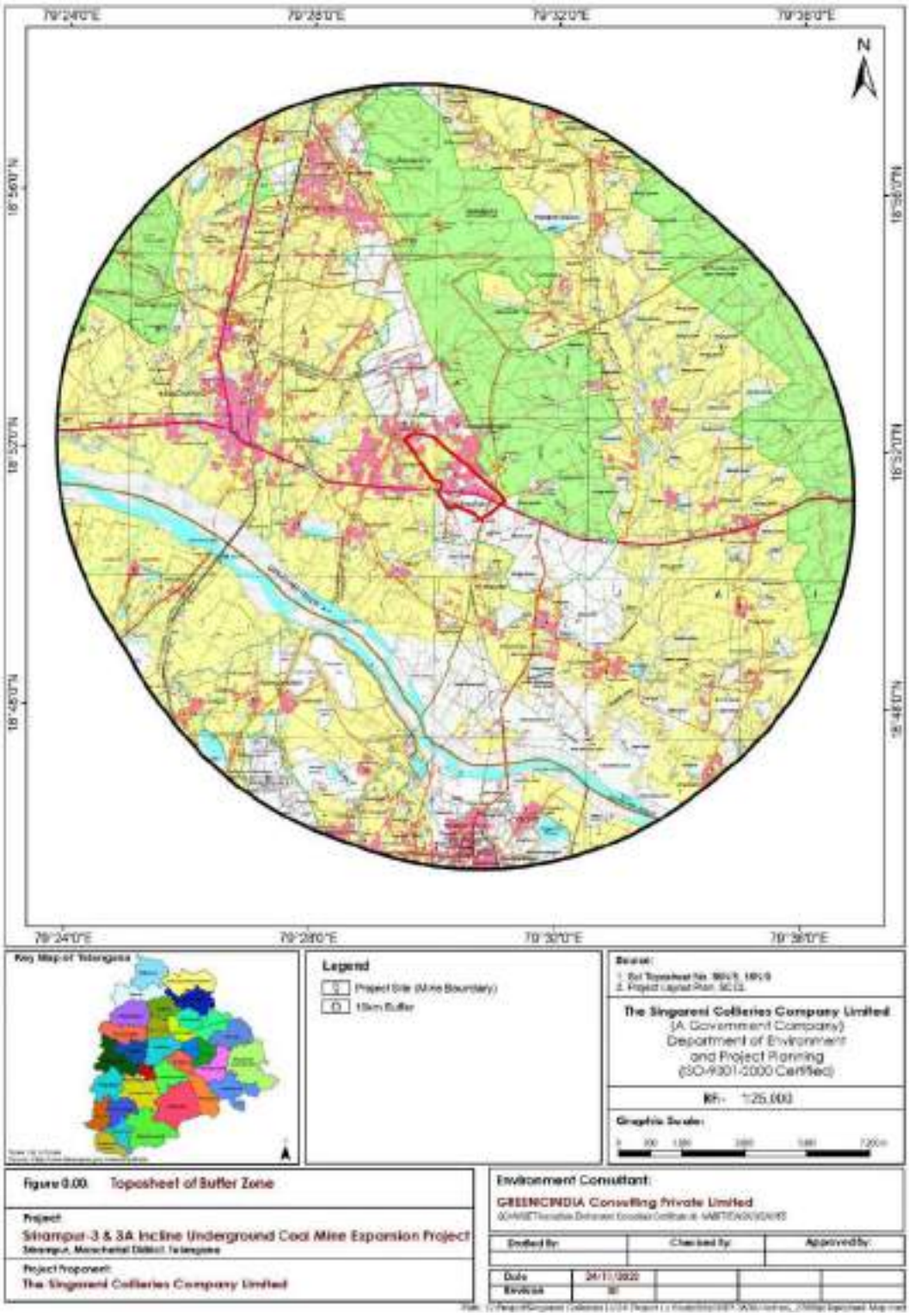

Figure 3-7: SRP 3 & 3A Inclines UG Coal Mine Extension Project with 10 km buffer zone on Toposheet.

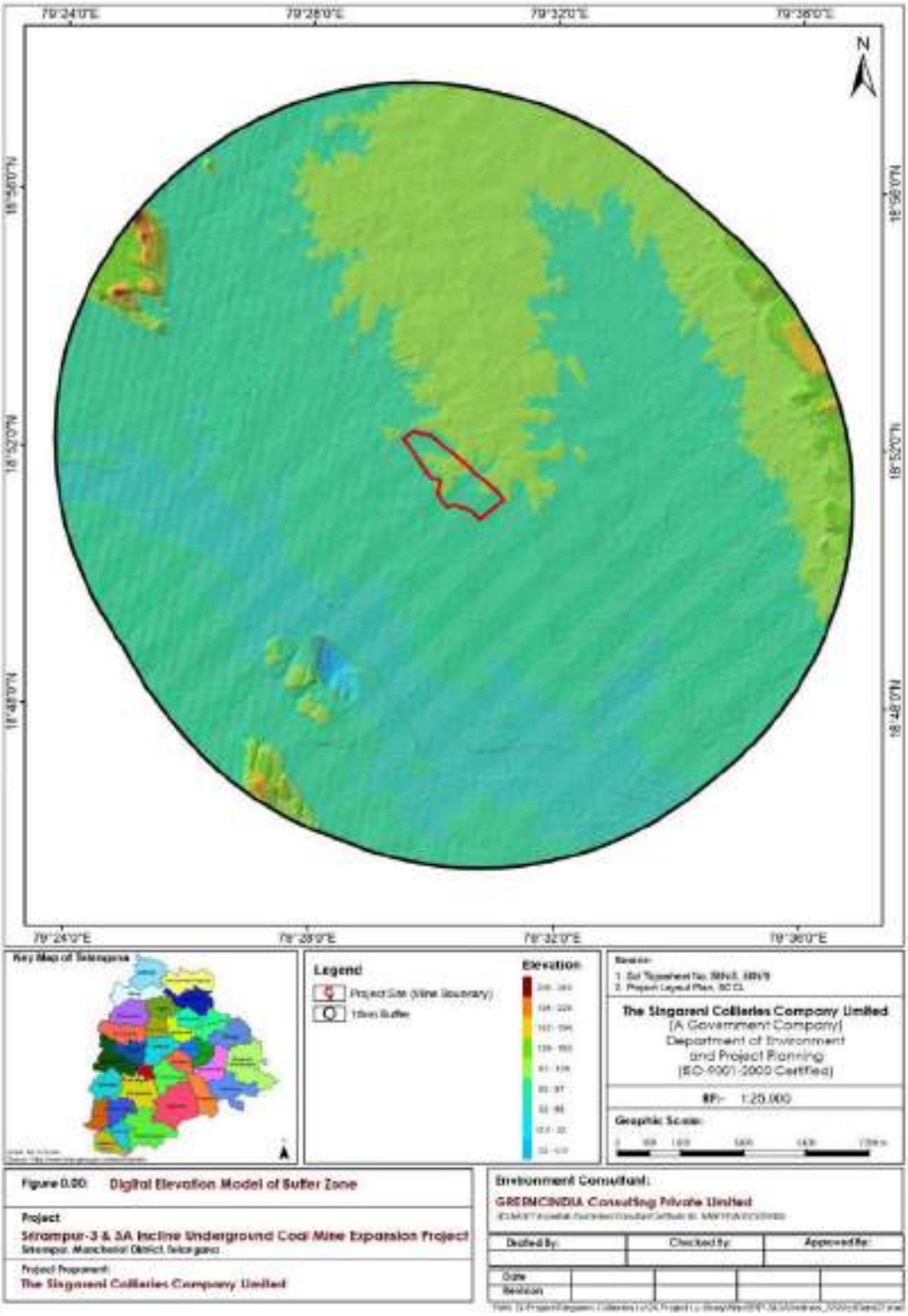

Figure 3-8: Digital elevation map of SRP 3 & 3A Inclines UG Coal Mine Extension Project with 10 km buffer zone

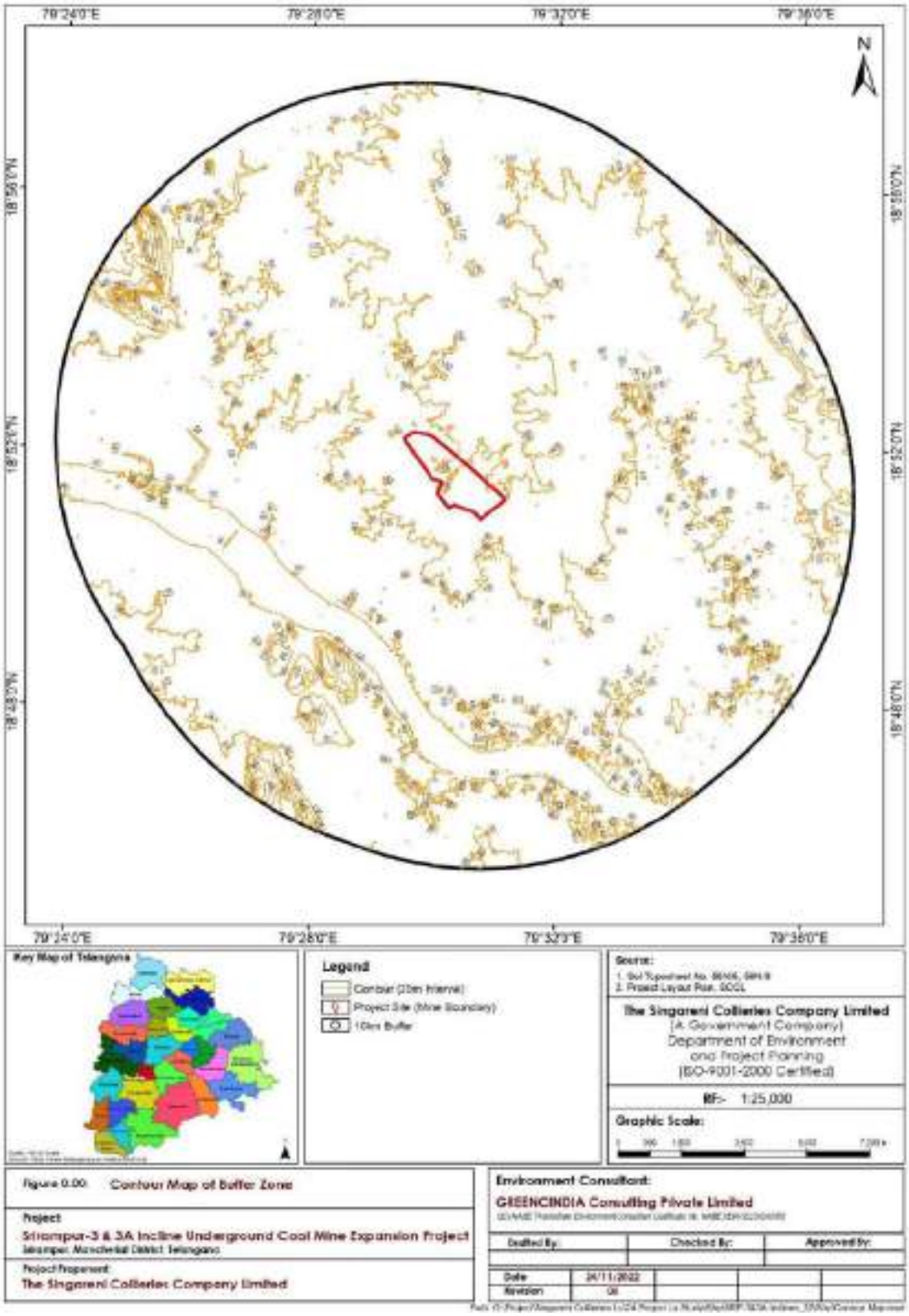

Figure 3-9: Contour for Buffer Zone.

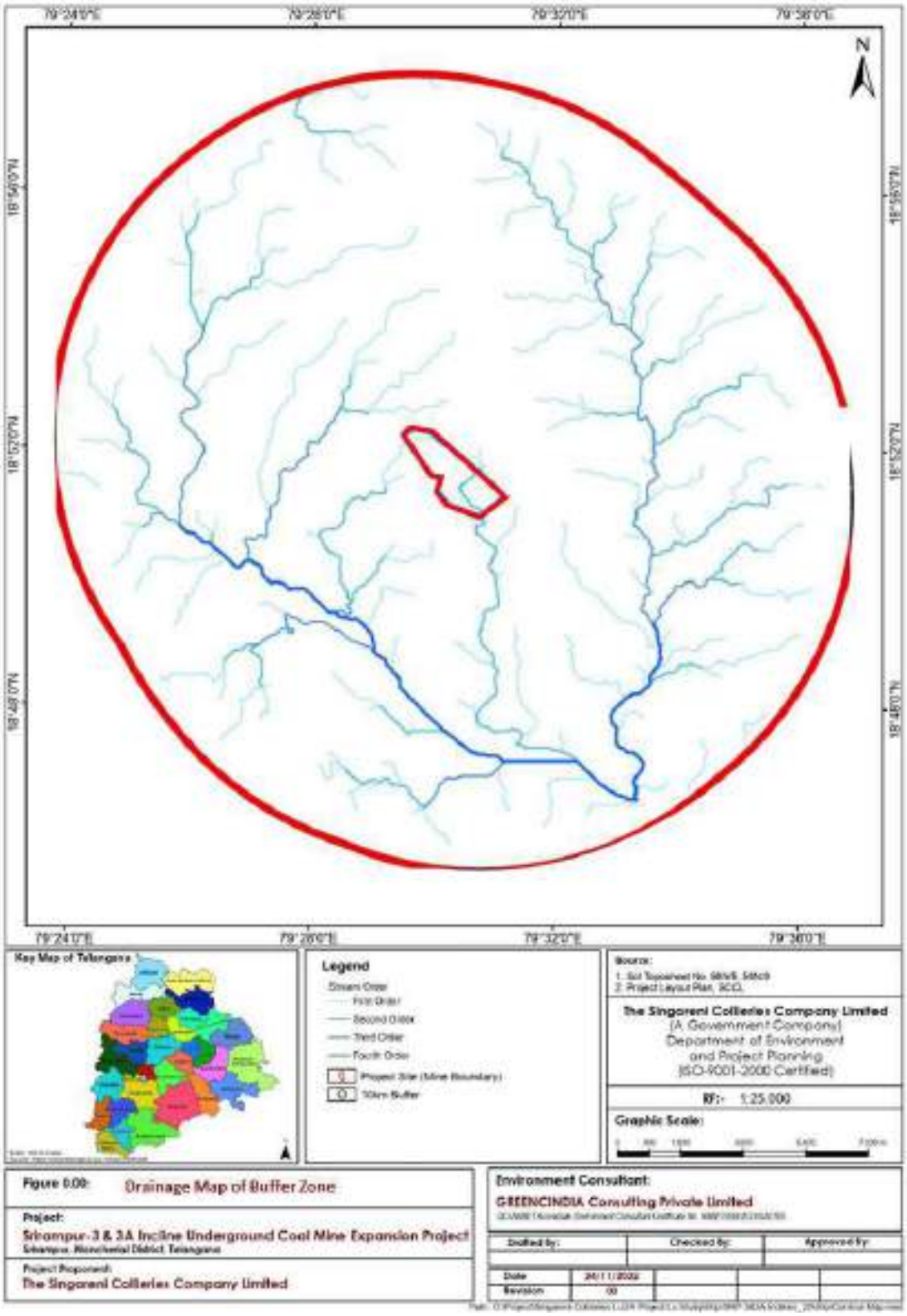

Figure 3-10: Drainage Map of Buffer zone.

3.2.3 BOUNDARY COORDINATES

The Geographic Coordinates of the boundary have been collected from field visit. The Coordinates of the Mine Boundary's GCP are shown below.

Table 3-4: Project Boundary Co-ordinates.

GCP_ID	Longitude	Latitude
1	79.5156192258	18.8506329816
2	79.5126049996	18.8482686112
3	79.5107922232	18.8501055822
4	79.5083408339	18.8509194797
5	79.5054330335	18.8518770221
6	79.5039959124	18.8512484137
7	79.5024322744	18.8531060310
8	79.5009277780	18.8548933331
9	79.5012320742	18.8558209907
10	79.5020047218	18.8581763889
11	79.4994377774	18.8586752780
12	79.4965567564	18.8625728797
13	79.4917261109	18.8691074997
14	79.4944150004	18.8709044442
15	79.4972698884	18.8703171284
16	79.4990219446	18.8699566664
17	79.5072957728	18.8636560008
18	79.5108033321	18.8607874964
19	79.5182471193	18.8545737110
20	79.5191674818	18.8534161064

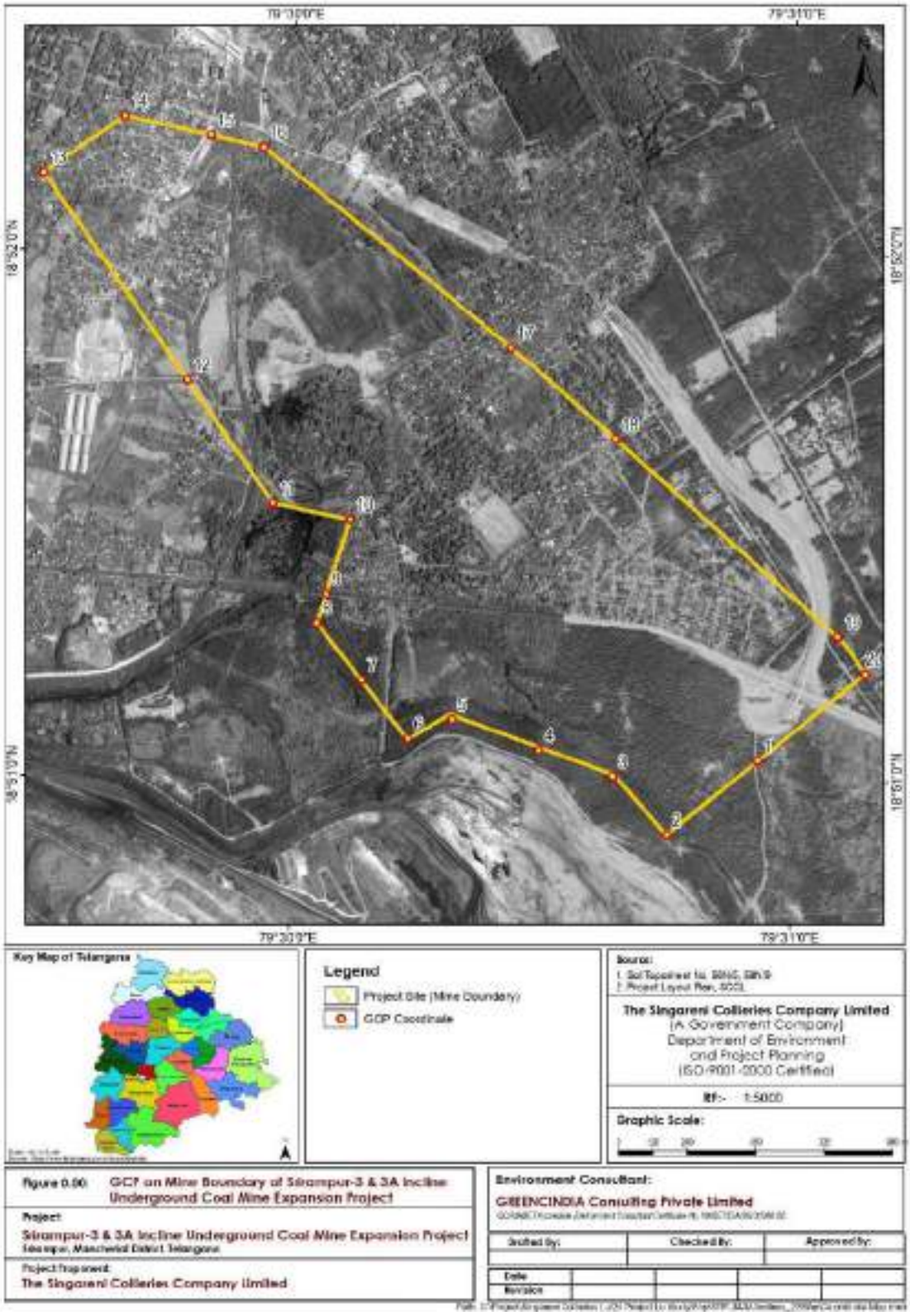

Figure 3-11: Mine boundary on high resolution satellite image.

3.2.4 LULC COMPARATIVES STUDY CORE ZONE FOR 2019 AND 2022

Table 3-5: LULC data (Core Zone) of 2019 and 2022.

	2019		2022		
Land Use Land Cover Class	**LULC area in Hectares (2019)**	**Area Percentage**	**LULC area in Hectares (2022)**	**Area Percentage**	**Area change (in %) from 2019 to 2022****
Coal Dump	1.07	0.36	0.89	0.3	**-0.06**
Plantations Greenbelt	0.43	0.14	63.71	21.3	**21.16**
Plantations Scrub	48.35	16.17	24.99	8.4	**-7.77**
Service Buildings	12.62	4.22	2.63	0.9	**-3.32**
Sand Dump Yard	6.11	2.04	10.08	3.4	**1.36**
Barren Land	17.7	5.92	4.33	1.4	**-4.52**
Settlements	102.33	34.22	91.21	30.5	**-3.72**
Roads	18.72	6.26	22.26	7.4	**1.14**
Dense Forest	86.02	28.77	69.32	23.2	**-5.57**
Open Forest	4.04	1.35	9.58	3.2	**1.85**
Total Area	**299.01**	**100**	**299.01**	**100**	**----**

** ** Positive and Negative value implies LULC specific class area (in %) correspondingly increases or decrease from 2019 to 2022. The formula used for calculating LULC changes is (% of area change = Percentage of LULC class area for 2022 - Percentage of LULC class area for 2019).

3.2.5 COMPARISON OF LULC DATA OF 2019 & 2022

Coal Dump decreased from 0.36% to 0.3%, Plantation Greenbelt increased from 0.14% to 21.3%. Plantation scrub decreased from 16.17% to 8.4 %, Sand dump yard increased from 2.04% to 3.4%. Barren land decreased from 5.92% to 1.4%. Dense forest area decreased from 28.77% to 23.2% and open forest area increased from 1.35% to 3.2%. Settlements cover an area of 30.5% and roads cover an area of 7.4% in 2022.

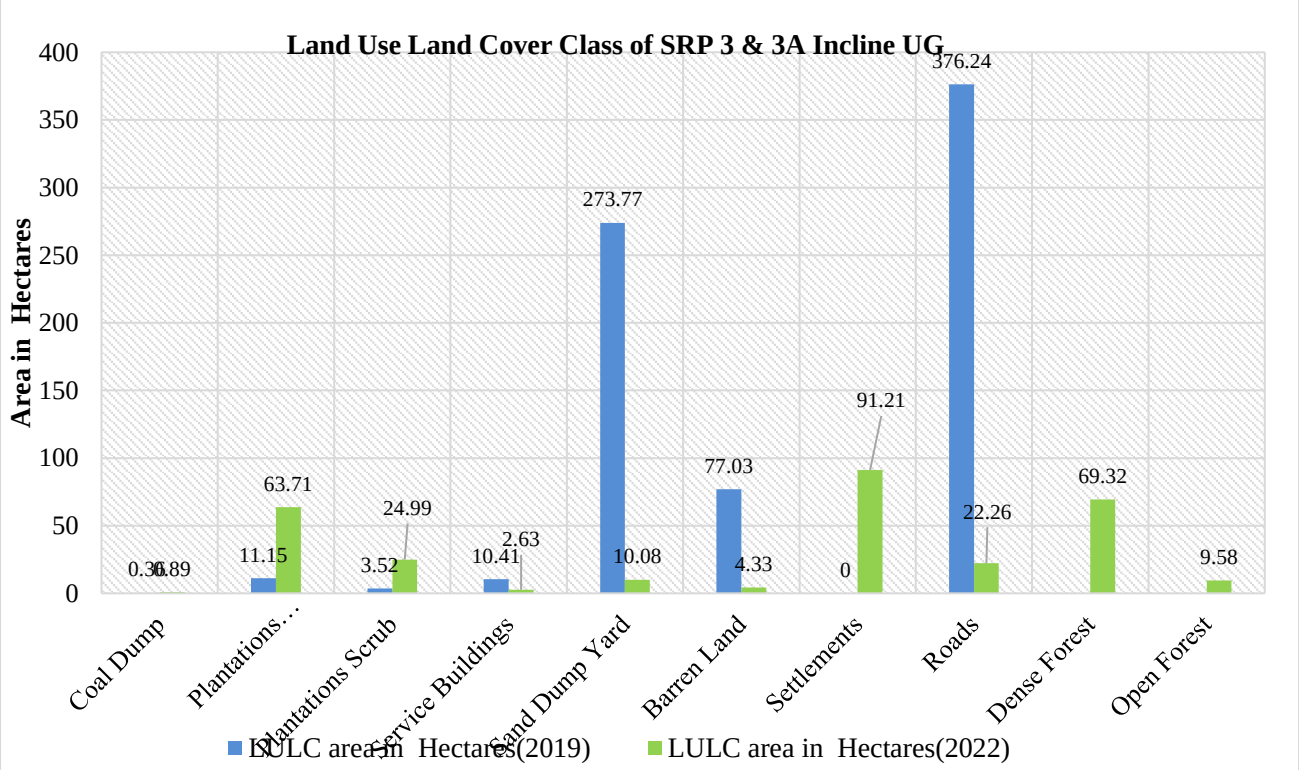

Figure 3-12: LULC Class (Core Zone) of SRP 3 & 3A Inclines UG at 2019 and 2022

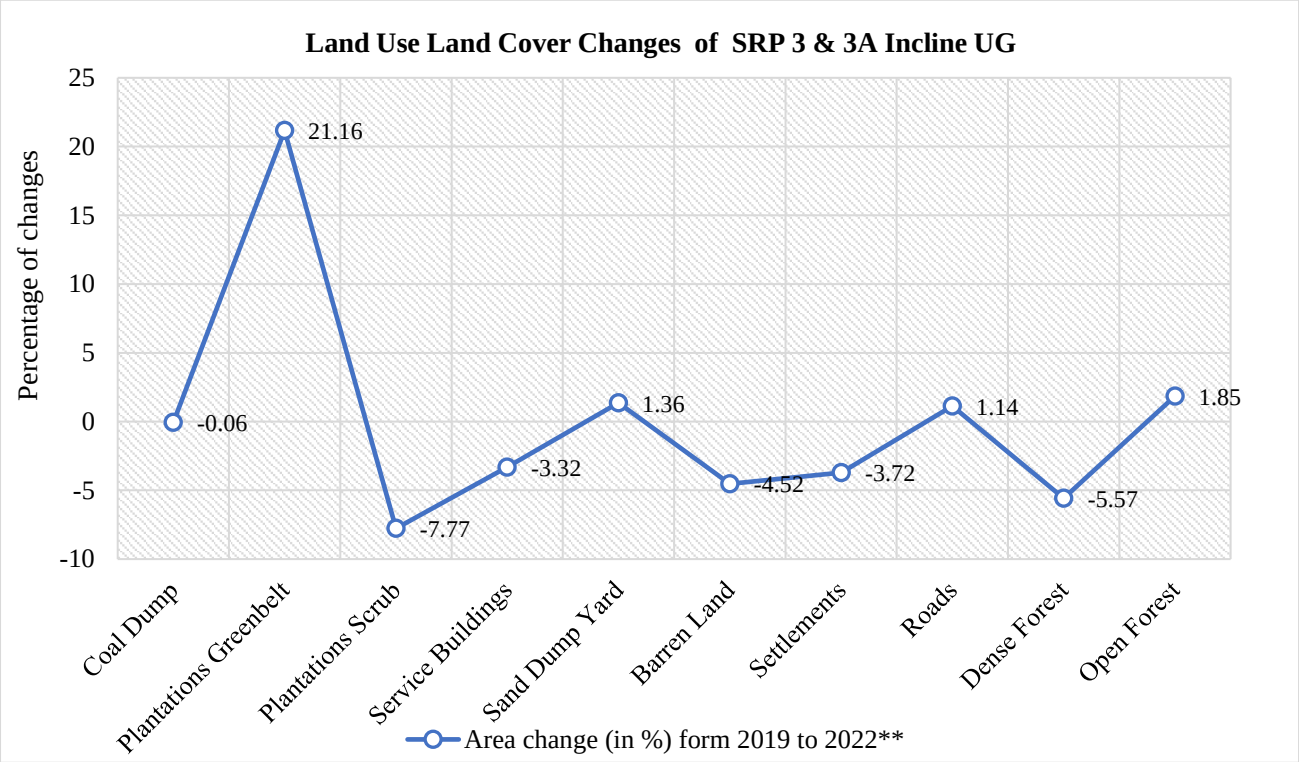

Figure 3-13: Land Use Land Cover Changes (Core Zone) of SRP 3 & 3A Inclines UG.

SITE PHOTOGRAPHS

SRP 3 & 3A Incline UG Mine

Mine Area

Forest Area

Service Building

Office

Mine Area

THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVERNMENT COMPANY)
SRP 3 &3A INCLINE, SRIRAMPUR AREA

Illumination Report SRP-3&3A Incline, Srirampur Area for the period OCTOBER- 2024 to MARCH- 2025.

S.No	Place/Area to be Illuminated	October- 2024		November-2024		December-2024		January-2025		February-2025		March-2025	
		Minimum illuminati on in Lux	Measured illumination Levels in Lux	Minimum illumination in Lux	Measured illumination Levels in Lux	Minim um illumin ation in Lux	Measur ed illumina tion Levels in Lux	Minimu m illuminat ion in Lux	Measured illuminati on Levels in Lux	Minimu m illuminat ion in Lux	Measur ed illumina tion Levels in Lux	Minimu m illumin ation in Lux	Measured illuminati on Levels in Lux
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	At every shaft landing and shaftbottom/siding which is in regular use	50H	NA										
2.	Travelling roadways(13LS/MWD to 16XD/14L) and haulage roadways(MID/Surface & 16XD/14L) including man riding roadway and every incline in use	10H,10V	12H,16V	10H,10V	13H,11V	10H, 10V	14H, 10V	10H, 10V	16H,15V	10H, 10V	21H, 11V	10H, 10V	26H,14V
3.	Haulage roadway junctions(MID/3L, MID/5L, MID/6L)at which tubs are coupled or uncoupled	30H	28H	30H	32H	30H	38H	30H	20H	30H	34H	30H	30H
4.	At every places of loading(Tramming Levels) and unloading(Tipplers at Surface bankhead)	30H,20V	32H,21V	30H,20V	34H, 24V	30H, 20V	30H 21V	30H, 20V	31H 24V	30H, 20V	34H 22V	30H, 20V	30H 27
5.	At every room and place containing any engine, motor or other apparatus in regular use(8D/4L/3Seam, 18XD/4L/3Seam, 30D/5L/3A Seam).	30H	30H	30H	31H	30H	33H	30H	38H	30H	26H	30H	35H
6.	Working faces and goaf edges of depillaring panels (3S/SP3, 3S/SS-6/3ASP-3,5S&6S/SS-4)	20H,30V	21H,33H	20H,30V	22H, 34V	20H, 30V	21H 32V	20H, 30V	24H 31V	20H, 30V	22H 34V	20H, 30V	22H, 31V
7.	Man Way(Man Riding)	15H	24H	15H	17H	15H	18H	15H	19H	15H	16H	15H	17H
8.	Pumping Stations(13LN/MID/3Seam & 18LS/1AD/3Seam & 7D/13L/6Seam)	30H	37H	30H	34H	30H	36H	30H	30H	30H	33H	30H	32H

9	Area under Filling/Stowing(40D/11L/3S, 8XD/17L & 33D/12L/3AS)	10H	13H	10H	13H	10H	12H	10H	10H	10H	11H	10H	13H
10	Conveyors												
	1 Transfer points and drive/tail end area	40H	44H	40H	43H	40H	44H	40H	45H	40	44H	40 H	45H
11	Hand picking points	50H	NA										
12	1)Electrical Substations(8LS/18XD/3S, 15LS/8XD/3S & 9LN/30D/3AS)	100H 50V	106H,54V	100H,50V	102H, 56V	100H, 50V	102H, 51V	100H, 50V	101H, 52V	100H, 50V	102H, 52V	100H, 50V	101H ,53V
	2)Other places of operations of electrical apparatus /equipment (Compressors in underground at 13L/17D/6Seam,31D/10L/3A & 21L/30D/3A)	20H, 20V	22H 21V	20H,20V	21H 24V	20H, 20V	22H 24V	20H, 20V	26H 23V	20H, 20V	24H 21V	20H, 20V	21H 21V
13	At every First-Aid Station 11LS/33D/3AS &14LS/16XD/3S	50H	55H	50H	53H	50H	58H	50H	55H	50H	44H	50H	48H
14	Miners station/rest shelter	25H	28H	25H	26H	25H	30H	25H	21H	25H	21H	25H	32H
15	Coal handling plant	NA											
16	General working areas as determined by the manager in writing Bit grinder room, Black smith shed, Bankhead shed, Test Bench, Canteen, Lamp room, manway office, Rest station and Temple premises.	10H at the level of surface to be illuminated	13	10H at the level of surface to be illuminated	12	10H at the level of surface to be illuminated	15	10H at the level of surface to be illuminated	11	10H at the level of surfaceto be illuminated	12	10H at the level of surface to be illuminated	11

23/4/2025

SOM

SRP 3 &3A Incline

Supdt. of Mine

SRP 3&3A INCLINE

Appendix-

The Singareni Collieries Company Limited

Secretarial Department

Ref. No: CRP / CS / 054 / 889 Date:23.11.2011.

GM (Environment)

The extract of Minute No.505:5:4 of Board of Directors meeting held on 11.11.2011 at Hyderabad is furnished below:

Sub: Environmental Policy of SCCL.

5:4. The Board considered the note placed before it. After deliberation the Board accorded approval to the Environmental Policy of SCCL and its objectives as brought out in the note placed before it.

Action taken/ status of implementation **on each point of the above minute** may be intimated to the undersigned at the earliest as per the guidelines issued by the C&MD vide circular No.CRP/CS/58/200 dt.22.3.2002 for apprising the same to the Board in the next meeting.

G M (C.A) &
Company Secretary

CORPORATE ENVIRONMENTAL RESPONSIBILITY

1. ENVIRONMENTAL POLICY OF SCCL

The Environmental policy and its objectives have been approved by SCCL Board of Directors on 11.11.2011 and copy of Board minute is enclosed as **Annexure.**

Policy:

"To be a role model in protection of environment for sustainable development, SCCL is committed to implement the best global practices in all its operations through prevention / mitigation of pollution, proper disposal / recycling of wastes and bringing awareness among all the stakeholders for continual improvement in environmental performance"

Objectives:

- To take account of environment concerns in planning and decision-making.
- Compliance of conditions imposed in Environmental Clearance, Forestry Clearance, CFE, CFO and other statutory clearances issued by regulatory agencies.
- To prevent pollution of surrounding habitation by continuous monitoring and measurement of Environmental parameters.
- Identification of significant impacts and preparation of environment management systems for implementation at mines / units.
- To reclaim the mined out areas concurrent to mining operations and take suitable measures for conservation of adjacent forests, wildlife and bio-diversity.
- To reduce waste generation and promote recycling of materials, wherever possible.
- Optimum utilization of resources i.e. Electricity, Oil and Water.
- To take up developmental works in surrounding villages as a part of corporate social responsibility.
- To provide appropriate training and disseminate information to enable all the employees to accept individual responsibility for environment protection, implement best practices and work in partnership to create a culture of continual improvement.

Guidelines for implementation of environmental policy of SCCL

For effective implementation of environmental policy and its objectives, necessary guidelines and targets will be framed from time to time. Initially, certain guidelines have been framed in different facets of environmental management for bringing uniformity in planning, execution and monitoring systems thereby ensuring environmentally sustainable coal mining operations).

In order to fulfil the objectives of Environmental Policy, the following guidelines have been framed in different facets of environmental management for bringing uniformity in planning, execution and monitoring systems thereby ensuring environmentally sustainable coal mining operations.

The Environmental Policy, objectives and guidelines were circulated to all the mines, departments and other units for implementation. Also, necessary arrangements were made for display of the same at the conspicuous places for bringing awareness among the employees of SCCL.

Guidelines for implementation of Environmental Policy

Sources / Activities	**Recommended control measures**
A. Planning of New / Expansion Projects	
1. Planning	i. Due care shall be taken in addressing all the environmental issues while formulating a project proposal. ii. It shall be ensured at the planning stage itself that forest lands, high-yielding agricultural lands, habitations, water bodies shall be avoided for location of dump sites. iii. Conservation of ecologically sensitive areas, if any, located near the project area shall be given due consideration. iv. EIA/EMP shall be prepared with proper environmental safeguards along with sufficient fund provision.
B. Air Pollution Control	
1. Drilling	i. Wet drilling mechanism shall be adopted.

Sources / Activities	Recommended control measures
2. Blasting	v. Blasting in Opencast Mines shall be conducted during favourable weather conditions using NONELs with proper design of blasthole geometry & optimum quantity of explosives. vi. Use of delay detonators shall be adopted in underground mines in order to reduce ground vibrations. vii. Blast site shall be wetted before and after blasting.
3. HEMM	i. Regular Maintenance of all Diesel operated HEMMs shall be done as per the manufacturer's schedule for effective control of exhaust emissions.
4. Haul Roads	i. All service roads shall be metalled and well maintained. ii. All haul roads and service roads shall be regularly sprayed with water. iii. Plantation shall be done alongside the haul and service roads.
5. Over Burden	i. Inoperative dumps shall be subjected to technical and biological reclamation. ii. Plantation shall be done over and around OB dumps to ensure stability of slopes and prevention of dust generation by wind action.
6. Coal Handling	i. Crusher house and belt conveyors shall be enclosed and mist spray arrangement installed at all receiving points, transfer points, Ground bunkers and loading points. ii. Plantation shall be done all around the Coal Handling Plant (CHP).
7. Coal Transport	i. Wherever feasible, transportation outside the ML area will be by rail / conveyor system

Sources / Activities	Recommended control measures
	ii. The width of transportation road shall be designed in such a way that no vehicle shall ply on the unpaved road. iii. Coal Transport trucks shall be optimally loaded and covered with tarpaulin for preventing spillage during transportation.
C. Water Pollution Control	
1. Surface	i. Garland drains shall be made around quarry and OB dumps to collect run off water and siltation points of sufficient size shall be provided for collection of silt. ii. OB dump run off to be desilted through settling tanks before discharge into natural streams. Contour drains to be constructed along the slopes of OB dumps. iii. Toe walls to be constructed around the OB dump with boulders collected from OB material. iv. A berm with dimensions of not less than two metres height and 2 metres width at the top shall be made in trapezium shape all along the edge of each deck to prevent erosion of dumps and gully formation. v. The terrace shall be kept free of obstructions (OB heaps), sloped in bye and maintained with uniform gradient for free flow of water in order to avoid accumulation of water leading to gully formation and dump slides. vi. The coal washery should adopt proven internationally accepted technology of continuous operating and with zero effluent discharge system.
2. Mine Water	i. Mine water shall be treated in filter beds for domestic consumption. Excess mine water shall be treated in settling ponds before discharging in to natural streams.

Sources / Activities	Recommended control measures
3. Workshop and CHP	i. Effluent coming out from workshops shall be treated in an Effluent Treatment Plant containing an oil / grease trap and sedimentation tank. The treated water is to be stored and reused in the workshop itself. ii. ETP shall be constructed for treating CHP effluents and adoption of closed water circuit in CHP shall be adopted thereby ensuring zero discharge.
4. Domestic Effluent	i. In isolated building or housing complexes septic tanks and soak pits to be provided. ii. In large townships, complete sewerage system including sewage treatment facilities shall be adopted. iii. Community and service building shall be provided with adequate sewage treatment facilities.
5. Hazardous and Bio-medical wastes	i. 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 shall be handled and disposed off in accordance with the procedure laid down in HWM Rules. ii. Used oil, spent oil, batteries and copper cables shall be disposed off to the recyclers having valid registration from CPCB/APPCB for recycling or recovery, whereas the empty oil and grease barrels shall be detoxified prior to their disposal to outside agencies. iii. Bio-medical wastes shall be handled and disposed off as per the latest guidelines issued by MoEF.
D. Noise Pollution Control	
1. Drilling	i. Controlled blasting methods with proper spacing, burden and stemming shall be adopted to get optimum results.

Sources / Activities	Recommended control measures
	ii. Blast holes should be judiciously charged to control noise and blast vibrations
2. HEMM	i. Providing of sound proof cabins for the workers deployed on machines producing higher levels of noise like dozers, shovels, dumpers, drills and feeder breakers etc. ii. The engine exhausts of HEMM to be fitted with mufflers. iii. HEMM to be properly maintained and operators to be provided with ear mufflers / ear plug. iv. Reducing the exposure time of workers to the higher noise levels shall be practiced.
3. CHP	i. Belt drive or roller drive systems shall be used instead of gear train system which results in considerable noise reduction.
4. Exhaust Fan in UG mines	i. The main mechanical ventilator shall be installed in acoustically designed enclosed chambers with evasee. ii. Thick green belt shall be developed around the fan house for attenuation of noise.
E. Energy / Water Conservation Measures	
1. Electricity	i. CFLs and energy efficient appliances shall be used at mines, allied units and colonies. ii. Efforts shall be made for utilization of renewal sources of energy like solar and wind power.
2. Oil	i. Periodical maintenance of vehicles including fine tuning of engines shall be done to improve their fuel efficiency. ii. Leakage and spillage of oils during transport and usage shall be avoided.
3. Water	i. Wastage of water resulting from leakages through

Sources / Activities	Recommended control measures
	distribution pipelines and overflow from overhead tanks shall be arrested. ii. Summer storage tanks shall be constructed in all the mining areas for rain water harvesting and augmentation of ground water recharge.
F. Land Management	
1. Top soil	i. Top soil shall be stacked at earmarked place and shall be used only in reclamation of OB dumps. ii. Top soil shall invariably be removed from the site allocated for external dumping of OB material, to conserve precious natural resource and ensure better stability of dumps.
2. Reclamation	i. Reclamation of mined out areas including external OB dumps and back filled areas shall be taken up concurrent with progress of mining operations as per the EMP. ii. Native species shall be selected for dump plantation in order to achieve better survival rate. iii. The voids left over after cessation of mining operations shall be converted in to water bodies.
3. Subsidence Management	i. The cracks / pot holes formed on surface as a result of subsidence due to UG mining shall be filled with OB material and compacted. ii. Garland drains shall be provided around the subsidence areas to avoid inrush of water in to Underground workings.
4. Green Belt Development	i. Extensive plantation shall be taken up in colonies, vacant lands, degraded forest lands and surface area of UG mines.

Sources / Activities	Recommended control measures
	ii. Gap plantation shall be taken up wherever the survival rate is poor. iii. Avenue plantation shall be taken up alongside the roads.
G. Environmental Monitoring	
1. Environmental Monitoring for pollution mitigation	i. Monitoring of ambient air quality, ground & surface water quality, effluent discharge quality, noise & blast vibrations, phreatic surface levels, subsidence, HEMM exhaust emissions shall be carried out as per the stipulated norms and corrective measures shall be taken for mitigation of pollution.
2. Satellite surveillance	i. Satellite surveillance of all opencast mines shall be carried out once in three years for change detection analysis in land use / land cover in core and buffer zone of the project.
H. Environmental Awareness	
1. Environmental Awareness	i. Environmental awareness programmes shall be conducted in all mining areas to bring awareness among the employees regarding the environmental policy, its objectives and measures to be taken to safeguard the environment. ii. Awareness programmes shall be conducted on energy, oil and water conservation. iii. Awareness shall be created in the employees and general public on the ill-effects of plastics usage and educate them to use alternatives.

2. STANDARD OPERATING PROCEDURE TO BRING IN TO FOCUS DEVIATIONS/ VIOLATIONS OF ENVIRONMENTAL OR FOREST NORMS/CONDITIONS

At Project Level

An Environment Management Committee (EMC) is constituted at the project level consisting of following members to monitor the implementation of EMP and other environmental protection measures.

i. Project Officer
ii. Staff Officer to General Manager
iii. Area Environmental Officer
iv. Area Forestry Officer
v. Area Civil Engineer
vi. Regional Hydro-geologist
vii. Area Survey Officer

Functions of Project level EMC:

- Monitoring of Environmental safeguards
- Compliance of conditions stipulated in Environmental Clearance, Forest Clearance (if Forestland involved in the project), Wildlife Clearance (if applicable), Consent for Establishment and Operation issued under Air (Prevention and Control of Pollution) Act 1981 and Water (prevention and Control of Pollution) Act 1974, Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008 , Ground water Clearance, No Objections Certificates (NoCs) from any other department, etc.
- Review of the compliance of above conditions during periodical review meetings
- Reporting of non-compliances and action plan for rectification to the Area General Manger and General Manager (Environment).

<u>Corporate level</u>

General Manager (Environment) and his team of officers from Corporate Environment Department will periodically inspect the projects for monitoring the implementation of EMP, EC conditions, CFE & CFO conditions and environmental status of the project surroundings and give necessary guidelines to the project authorities in case of any deviation in the compliance of clearance conditions. Corporate Environment Department will also appraise the higher authorities in case of major violation/ deviations in compliance of environmental norms/ conditions.

3. HIERARCHICAL SYSTEM OF THE COMPANY TO DEAL WITH ENVIRONMENTAL ISSUES AND FOR ENSURING COMPLIANCE WITH EC CONDITIONS

Project Officer /Agent, in-charge of the Opencast / Underground Mine is responsible for implementation of the approved EMP and various conditions of EC, FC and CFO. Area Environmental Officer will assist the Project Officer /Agent in ensuring the compliance of conditions. Area General Manager is responsible for compliance of norms in all the mines falling under his jurisdiction.

General Manager (Environment) will monitor the compliance of environmental norms in all the areas of SCCL. Chief General Manager (Corporate Planning & Projects) will be reviewing the environmental issues for ensuring compliance of norms/conditions. Director (Planning & Projects) and Director (Operations), who are the members of the SCCL Board of Directors, will review the overall compliance of statutory norms in the organization.

4. SYSTEM OF REPORTING NON-COMPLIANCES/VIOLATIONS OF ENVIRONMENTAL NORMS TO THE BOARD OF DIRECTORS AND/OR SHAREHOLDERS OR STAKEHOLDERS

Environmental Management Committee will monitor the implementation of environmental norms/conditions and reports any deviations to the concerned Project Officer. The Project Officer will take suitable corrective measures with the guidance of Area Environmental Officer. The non-compliances, if any, which require the intervention of higher authorities will be brought to the notice of Area General Manager. The Area General Managers will inform the deviations / non-compliances to Corporate Environment Department and concerned Functional Director.

Corporate Environment Department is headed by General Manager (Environment) who works directly under GM (CP&P) who in turn reports to Director (Planning & Projects). Regular review meetings will be conducted by Director (Planning & Projects) for reviewing the compliance of EC/FC/CFO conditions. In addition to the above, General Manager (Environment) will periodically appraise non-compliance of EC conditions to GM (CP&P). GM (CP&P) will appraise these issues to Director (Planning & Projects) and Director (Operations), the members of the SCCL Board of

Directors, who in turn will appraise to Chairman & Managing Director of the company.

****

Annexure-XII.

Revenue Expenditure incurred on Environment Management and Pollution Control Measures:

Sl. No	Expenditure Head	Capital Expenditure (in Rs.)	Revenue Expenditure (in Rs.)		
		Up to 2024-25	Up to 2023-24	2024-25	Total
I	Air pollution (Prevention & control)	119200	3844417	97742.4	**3942159.4**
II	Water pollution (Prevention & Control)	0	5466624	68693.32	**5535317.32**
III	Land development	0	0	0	**0**
IV	Plantation	949449	3161761	57720.5	**3219482**
V	Equipment for maintenance of environment protection	0	0	0	**0**
VI	Consultancy payments	1304371	0	0	**0**
VII	OB Reclamation / Subsidence management	0	56505	0	**56505**
VIII	Environment awareness / Environment education	0	30500	1500	**32000**
IX	Noise & Blasting vibration	0	692665	33954	**726619**
X	Others	0	0	0	**0**
	Total	**2373020**	**13252472**	**259610.2**	**13512082**

Manager/SRP-3&3A Incline

THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVERNMENT COMPANY)
SRIRAMPUR AREA

Ref.No: SRP/ENV/EC/2023/222 Date: 31.07.2023

To,

1. **Member Secretary, T.S.Pollution Control Board, Board Office.A-3, Industrial Estate, Paryavarana Bhavan, Sanathnagar, Hyderabad-500018.**
2. **The Regional Office (SEZ),GoI,MoEF & CC 1st & 2nd Floor,Handloom Export,Promotional Council, 34th cathedral, Garden Road, Nungambakkam, CHENNAI-600034.**
3. **The Director, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Hyderabad 3rd Floor, Aranya Bhavan, Opp. RBI,Saifabad,Hyderabad-500004.**
4. **The Collector& District Magistrate, Mancherial District.**
5. **The Environmental Engineer, T.S. Pollution Control Board, Regional Office, Nizamabad, Door No. 6-2-166/A, Subhash Nagar, Nizamabad-503002, Telangana State.**
6. **The General Manager, District Industries Centre, Mancherial District**
7. **The Chief Executive Officer, Zilla Parishad Office, Mancherial District.**
8. **Muncipal Commissioner, Municipality Office, Naspur, Mancherial Dist.(Villages of Muncipality jurisdiction: Theegalpahad, Naspur, Thallapalli & Singapur).**
9. **The Tahsildar, Naspur (M), Mancherial District.**

Sir,

Sub: Environment Clearance for **Srirampur-3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project** (under violation category) with a coal production capacity of 0.40 MTPA, in the project area of 299.00 Ha., located near Srirampur Village in Naspur Mandal Mancherial District of Telangana State – Reg

Ref: EC Identification No.EC23B001TG133926 and
F.No. SIA/TG/CMIN/436751/2023, Dated: 29.07.2023.

*****

With reference to the subject cited, it is to informed that MoEF&CC (SEIAA, Telangana) has accorded Environmental Clearance (EC) for **Srirampur-3&3A (SRP-3&3A) Incline, Underground Coal Mine Expansion Project** (Under violation category), with a coal production capacity of 0.40 MTPA, in the project area of 299.00 Ha. located near Srirampur Village in Naspur Mandal Mancherial District of Telangana State, vide letter cited under reference (copy enclosed).

As per **Condition No.5 (j) (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".

Hence, it is requested to kindly advise the concerned to display the same.

General Manager
Srirampur Area.
General Manager
SRIRAMPUR

Encl: EC Copy.

ACKNOWLEDGEMENT

Received a copy of the Environmental clearance letter bearing F.No.SIA/TG/CMIN/436751/2023, dated 29.07.2023 pertaining to Srirampur -3&3A (SRP-3&3A) Incline underground Coal Mine Expansion Project of M/s. Singareni Collieries Company Limited issued by Ministry of Environment & Forests and Climate Change, (SEIAA, Telangana).

S.No.	Name of the department	Signature & Stamp
1	O/o. Member Secretary, T.S.Pollution Control Board, Board Office.A-3, Industrial Estate, Paryavarana Bhavan, Sanathnagar, Hyderabad-500018.	
2	O/o. The Regional Office (SEZ),GoI,MoEF & CC 1st & 2nd Floor,Handloom Export, Promotional Council, 34 cathedral, Garden Road, Nungambakkam, CHENNAI-600034.	
3	O/o. The Director, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Hyderabad 3rd Floor, Aranya Bhavan, Opp. RBI,Saifabad, Hyderabad-500004.	
4	O/o. The Collector & District Magistrate, Mancherial District.	

5	O/o. The Environmental Engineer, T.S. Pollution Control Board, Regional Office, Nizamabad, Door No. 6-2-166/A, Subhash Nagar, Nizamabad-503002, Telangana State.	
6	O/o. The General Manager, District Industries Centre, Mancherial District.	3/8/23
7	O/o. The Chief Executive Officer, Zilla Parishad Office, Mancherial District.	ZILLA PRAJA PARISHAD MANCHERIAL 03 AUG 2023
8	O/o. Muncipal Commissioner, Municipality Office, Naspur, Mancherial Dist.(Villages of Muncipality jurisdiction: Theegalpahad, Naspur, Thallapalli & Singapur).	03/08/2023
9	O/o. The Tahsildar, Naspur (M), Mancherial District.	07/08/2023 Office of the Tahsildar Naspur

The Singareni Collieries Company Limited
(A Government Company)
SRIRAMPUR AREA

Ref.No: AGT/SRP/29/2023/ 321 Date: 20.09.2023

To,
The Director,
Ministry of Environment, Forests & Climate Change (MoEF &CC),
Integrated Regional Office, Hyderabad.
3rd Floor, Aranya Bhavan, Opp, RBI, Saifabad,
Hyderabad -500004.

Sub: Information to the Regional Officer of the MOEFCC regarding commencement of mining Operations of Srirampur -3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project – Reg

Ref: EC Identification No.EC23B001TG133926 and
File No. SIA/TG/CMIN/436751/2023; dated: 29.07.2023.

*****

With reference to the subject cited, it is to informed that MoEF&CC (SEIAA, Telangana) has accorded Environmental Clearance (EC) for **Srirampur -3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project** located near Srirampur Village, Naspur Mandal, Mancherial District of Telangana State, vide letter cited under reference.

As per the EC **Condition No.5 (j) (Vi)** "The Project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations".

As per the above, this is to inform you that at **Srirampur -3&3A (SRP-3&3A) Incline Underground Coal Mine Expansion Project** with a capacity of 0.40 MTPA has commenced mining operation with effect from 29.07.2023.

Thanking you Sir.

Agent,
SRP Group of Mines,
Srirampur Area.

AGENT
SRP-GROUP OF MINES

Encl: EC Copy.

SRP-3&3A Incline

Major issues raised during public hearing-Commitments given by the project proponent along with timelines and monetary provisions

S. No.	Representation	Proponent Replies	Time Line	Fund Provision
1	Provide employment to educated youth and to conduct skill development training programmes in surrounding villages for un employed youth.	About 2600 Jobs were provided to the un-employed youth of the surrounding villages in outsourcing jobs in mines/departments of Srirampur Area and will also continue to give priority in providing jobs to local youth in outsourcing and other contract jobs. Vocational training is also being imparted to the un-employed youth of nearby villages in various fields which helped them to secure jobs in army and police departments. So far 853 un-employed persons have been trained to get jobs in Army/Police jobs, out of which 70 persons appointed in Army/Police jobs. Further, SCCL is also providing necessary training to local villagers for skill development so that they can get employment/self employment. So far, about 1506 un-employed youth were given training in different fields like computer hardware & software, fashion designer, bags making, beautician, tailoring, sari rolling, embroidery, screen printing, lamination, driving, army/police training and electrician etc., and will be continued as per the requirement of local youth. In future also, SCCL will provide necessary training to local people to improve their skill so that they can get employment and also give the priority in outsourcing jobs to the land losers and local people, wherever their services are required.	Every year	Under CSR Policy

S. No.	Representation	Proponent Replies	Time Line	Fund Provision
2	Providing infrastructure developments like C.C. Roads (repair/new), street lighting, public toilets, RWS and parks, etc., to surrounding villages.	Infrastructure development works are being carried out in the surrounding villages from the CSR funds allocated as per the Company Act @ 2% of the average profit for last three years. DMFT funds are being deposited with the district authorities as per the provisions of Mines and Minerals (Development and Regulation) Act, 1957 for taking up developmental works. Under CSR activities, about Rs.21.35 Crores were spent for different development activities like laying of roads, CC drains, street lighting, bore wells, drinking water supply, bore wells, construction/renovation of school rooms, construction of toilets and community halls etc. in the surrounding villages of Srirampur area under CSR and about Rs. 415.19 Crores were deposited with District Authorities towards DMFT fund for carrying the development activities in the surrounding villages of the project. CSR activities will be taken up in future as per the requirement of the surrounding villagers.	Every year	Under CSR Policy
		Further, the following community development works under EMP will be taken up as requested in the public hearing of SRP-3&3A Incline with an amount of Rs.23 Lakhs (1% of the capital cost of the project) as per MoEF&CC O dated 30.09.2020.		
		i. 2 No's RO plant in Srirampur and Naspur Villages.	2 Years	18.0 Lakhs
		ii. Development of parks with open gym facility in Tallapalli Village.	1 Year	5.0 Lakhs
		In addition to the above works the following works will be taken up under RP&NCRAP of SRP-3&3A Incline in the surrounding villages as requested in the Public Hearing.		
		i. Solar Street Lighting in Srirampur Village.	2 Years	1.2 Lakhs

S. No.	Representation	Proponent Replies	Time Line	Fund Provision
		ii. Development of parks with open gym facility at Santhi Stadium of Srirampur Village	1 Year	1.03 Lakhs
		The following below mentioned works are being undertaken by SCCL under RP&NCRAP and as per the community development works under EMP for the surrounding IK-1A, RK-6, RK-5 & RK-8 Inclines for the development of the villages in the Srirampur area.		
		i. CC roads in Indaram village	3 Years	46.5 Lakhs
		ii. Repair/widening of existing road leading from SRP 3&3A mine to Royal Talkies and from CCC Guest house to RK-5 colony up to Highway at RK-5 Colony,	1 Year	26.0 Lakhs
		iii. RO Plant for safe drinking water at Ramaraopet, Kankur Gudipalli and Indaram villages.	3 Years	45.0 Lakhs
		iv. Development of parks with open gym facility at Kankur Village, Gudipalli Village, Naspur Village and Srirampur village.	3 Years	23.72 Lakhs
		v. Construction of Dhobi Ghat at Ramaraopet tank.	1 Year	6.0 Lakhs
		vi. Solar Street Lighting in Indaram village, Tekumatla village, along coal transport route from IK-1A Incline to SH-1, Ramaraopet village, Kankur Village, Gudipalli Village.	3 Years	41.0 Lakhs
		vii. Construction of community hall at Indaram village and Tekumatla village.	3 Years	62.0 Lakhs
		viii. Hand pumps with bore wells (15 no.'s) at Indaram village and Tekumatla village.	3 Years	15.0 Lakhs
		ix. Development of infrastructure in Govt. High school, Ramaraopet (Repair / new class rooms) at Ramaraopet village	1 Years	14.0 Lakhs
		x. Distribution of Tricycles to differently able people at Nearby villagers	1 Years	3.0 Lakhs

S. No.	Representation	Proponent Replies	Time Line	Fund Provision
3	Providing Medical facilities in the surrounding villages.	SCCL is conducting medical camps in surrounding villages of Srerampur area. Doctor with paramedical staff and medicines are being sent with Ambulance to Naspur, Srirampur, Indaram, Tekumatla, Ramaraopet, Singapur, Guttedarupalli and Thallapalli villages, one day in a week to each village and about 12,272 persons were benefited till date. SCCL will conduct free medical camps in future also under CSR activities.	Regularly	CSR policy
4	Air, water, noise pollution are effecting the surrounding villages and controlling measures shall be taken and monitoring shall be done as per statute.	All the controlling/mitigation measures are being implemented as mentioned in the EIA/EMP to reduce air, water and noise pollution in the mines and in the surrounding villages are being done as as mentioned in the EIA/EMP. SCCL is monitoring Air quality ($PM_{10,}$ $PM_{2.5}$ SO_X and NO_X) surface water quality, ground water quality and noise levels in mines and in the 10 km buffer zone by EPTRI, Hyderabad and the results of all the parameters are well within the CPCB standards.	Continuous	99.06 Lakhs/Year
5	Green belt development in and around the project and surrounding villages to control pollution and development of gardens/parks in the nearby villages.	SCCL has taken up plantation covering an area of 1485 ha in Srirampur area which includes 51.70 ha of mine take area. In addition, 4 parks have been developed in this area and about 7.03 lakh fruit bearing and other local species saplings were distributed in the surrounding villages during the last five years. SCCL is also undertaking extensive plantation in the vacant land under Haritaharam and Vriksharopan Abhiyan programmes and it will be continued.	Every Year Every Year	-- --

S. No.	Representation	Proponent Replies	Time Line	Fund Provision
6	CSR and DMFT funds are to be spent in Project effected Villages and District Collector requested to see that the funds are properly utilized in the effected villages only.	SCCL is taking up infrastructure development works like lying of roads, construction of Drains, Sanitation, Education, Drinking Water Supply etc., in surrounding villages as a part of corporate social responsibility. CSR funds are allotted as per the Company Act and the funds allotted are 2% on the average profit of last three years. DMFT funds are deposited with district authorities as per the provisions of Mines and Minerals (Development and Regulation) Act, 1957. So far, an amount of Rs.21.35 Crores of CSR funds were spent for development activities in the affected villages like CC roads, digging of bore wells, repair of school buildings, water supply, free medical camps in past few years and SCCL will continue to develop the infrastructure facilities in the affected villages in future also under CSR. DMFT fund of about Rs.415.19 Crores deposited with the District Authorities. These funds were being utilized by District Collector in consultation with local MLA for development of the affected villages and SCCL will be requested District Authorities to spend the DMFT fund in surrounding villages.	Every year	Under CSR funds and as per DMFT Rules

Agent
SRP Group of Mines
SCCL
AGENT
SRP-GROUP OF MINES

Office of the General Manager S.C.C.L. SRIRAMPUR

General Manager
Srirampur Area
SCCL
General Manager
SRIRAMPUR

पॉलिसी अनुसूची/ Policy Schedule-Public Liability Insurance Act	
पॉलिसी संख्या / ***Policy Number: 550200492410000034***	व्यवसाय स्रोत/ *Business Source: 550200*
जारीकर्ता कार्यालय/***Issuing Office*** कार्यालय कोड/ *Office Code: 550200* कार्यालय पता/ *Office Address: HYDERABAD BUSINESS OFFICE II CSR Plaza,D No. 6-3-347/9/4,,2nd Floor,Dwarakapuri Colony,Punjagutta, - 500082.* राज्य कोड/***State Code:*** 36 , Telangana जीएसटीएन/***GSTIN***: 36AAACN9967E6ZZ संपर्क संख्या/*Contact Number: 40 23401398* मोबाइल संख्या /*Mobile Number: 0*	विक्रय चैनल विवरण/ ***Sales Channel Details*** कोड/ *Code: 550200* नाम/ *Name: Hyderabad Division II* संपर्क संख्या/*Contact Number:* सह दलाल कोड / *Co Broker Code:* **Customer Care Toll Free Number: 1800 345 0330** **email:customer.support@nic.co.in**

ग्राहक का नाम/Customer Name: MS THE SINGARENI COLLIERIES CO LTD	ग्राहक आईडी/ Customer ID: 9510115064	पैन/ PAN: AAACT8873F
पता/ Address: CORPORATE FINANCE & ACCOUNTS DEPARTMENT, PO. KOTHAGUDEM COLLIERIES, BHADRACHALAM ROAD RLY STN(S C RLY), BHADRADRI KOTHAGUDEM DISTRICT, TELANGANA, शहर/City: KOTHAGUDEM, जिला/District: KHAMMAM, राज्य/State: TELANGANA, पिन/ PIN: 507101. सेल/Cell: 1111111111	फोन/ Phone: 1111111111 ई-मेल/ E-Mail: fad_crp@scclmines.com	

पॉलिसी प्रभावी समय घंटे को **Policy Effective from 00:00 hours,on 30/04/2024** की मध्य रात्रि तक प्रभावी**/to midnight of 29/04/2025 .**			
प्रीमियम /Premium	₹ 65,610.42	कवर नोट संख्या तथा तिथि/ Cover Note Number and Date	NA
सीजीएसटी/CGST	₹ 5,905.00	प्रस्ताव संख्या और तिथि /Proposal Number and Date	8800240506182484 दिनांक/Dt. 06/05/2024
एसजीएसटी/यूटीजीएसटी SGST/UTGST	₹ 5,905.00		
आईजीएसटी/IGST	₹ 0.00		
कम:जीएसटी_टीडीएस / Less:GST_TDS	₹ 0.00		
वसूली योग्य स्टाम्प शुल्क / Recoverable Stamp Duty	₹ 0.00	रसीद संख्या और तिथि/ Receipt Number and Date	550200812410000167 दिनांक/Dt. 23/04/2024
कुल राशि/ **Total Amount***	₹ 1,43,035.00	पिछली पॉलिसी संख्या तथा समाप्ति तिथि/ Previous Policy Number and Expiry Date	NA
(रूपए /Rupees One Lakh Forty Three Thousand Thirty Five केवल/Only.)			
* पर्यावरण राहत कोष /*Environment Relief Fund:	₹ 65,609.58		

Insurance Details:

Policy Effective from 00:00 hours, on 30/04/2024 to **midnight** of 29/04/2025	
PLI act Premium	29,126.37
Service tax	0.00
Recoverable stamp duty	0.00
ERF premium	29,126.37
Total amount	58,252.74

Retroactive date:	30/04/2023
Description of risk	PLI ACT POLICY -HAZAROUDS SUBSTANCES HANDLED & GROUP SUCH AS EXPLOSIVES, OIL, LUBRICANTS, GASES, TIMBER AND OTHER HAZARDOUS MATERIAL.
Paid up capital/Market Value of Asset/stock:	1,00,00,000.00
Liability:Any one accident(AOA):	5,00,00,000.00
Any one year(AOY):	15,00,00,000.00

पॉलिसी अनुसूची/ Policy Schedule-Public Liability Insurance Act	
पॉलिसी संख्या / ***Policy Number: 550200492410000034***	व्यवसाय स्रोत/ *Business Source: 550200*
जारीकर्ता कार्यालय/***Issuing Office*** कार्यालय कोड/ *Office Code: 550200* कार्यालय पता/ *Office Address: HYDERABAD BUSINESS OFFICE II CSR Plaza,D No. 6-3-347/9/4,,2nd Floor,Dwarakapuri Colony,Punjagutta, - 500082.* राज्य कोड/***State Code:*** 36 , Telangana जीएसटीएन/***GSTIN***: 36AAACN9967E6ZZ संपर्क संख्या/*Contact Number: 40 23401398* मोबाइल संख्या /*Mobile Number: 0*	विक्रय चैनल विवरण/ ***Sales Channel Details*** कोड/ *Code: 550200* नाम/ *Name: Hyderabad Division II* संपर्क संख्या/*Contact Number:* सह दलाल कोड / *Co Broker Code:* **Customer Care Toll Free Number: 1800 345 0330** **email:customer.support@nic.co.in**

Ratio of AOA:AOY:	1:3
Sum Insured:	5,00,00,000.00
Annual turn over:	3,46,35,72,00,000.00

Clauses	**As per Annexure.I**

टिप्पणियां/ **Remarks:** PUBLIC LIABILITY INSURANCE (ACT) POLICY

VARIOUS TRANSPORT & STORAGE LOCATIONS OF SCCL (ALL AREAS) LIKE : KOTHAGUDEM, YELLANDU, MANUGURU, RAMAGUNDAM -I, RG-II, RG-III, BHOOPALPALLI, BELLAMPALLI, MANDAMARRI, SRIRAMPUR & CORPORATE , TELANGANA STATE.

NUMBER OF WORKMEN EMPLOYEES :43672

ESTIMATED ANNUAL TURNOVER PROPOSED : RS.346357200000/-

AOA: 5 CRORES
AOY : 15 CRORES (1:3)
PAID UP CAPITAL >RS.1733.20 CRORES

जिसकी गवाही में दिन/ माह /वर्ष को उपरोक्त उल्लिखित कार्यालय पते पर अधोहस्ताक्षरी को विधिवत अधिकृत किया जा रहा है उसके हाथ निर्धारित किए जाएं। यह अनुसूची, संलग्न पॉलिसी, खण्ड, पृष्ठांकन और पॉलिसी शब्दों, जो कंपनी वेबसाईट ***https://nationalinsurance.nic.co.in*** पर उपलब्ध है, को एक अनुबंध के रुप में एक साथ पढ़ा जाए तथा कोई भी शब्द या अभिव्यक्ति जिसके लिए यह विशिष्ट अर्थ पॉलिसी या अनुसूची के किसी भी हिस्से में संलग्न किया गया हो, एक ही अर्थ वहन करेगा चाहे जहॉ भी उल्लिखित हो। यह आश्वासन दिया जाता है कि प्रीमियम चेक की अस्वीकृति के मामले में, यह दस्तावेज स्वतः आरंभ से ही निरस्त मानी जाएगी । ***/IN WITNESS WHEREOF****, the undersigned being duly authorized hereunto set his/ her hand at the office address mentioned above, this* **06/May/2024.***This schedule, the attached policy, the clauses, the endorsements and policy wordings as available in the website* ***https://nationalinsurance.nic.co.in*** *shall be read together as one contract and any word or expression to which the specific meaning has been attached in any part of this policy or of the schedule shall bear the same meaning wherever it may appear. It is warranted that* ***IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INITIO'***

इंश्योरेन्सइंडियालिमिटेड ओम्बड्समैन का विवरण/Ombudsman Details: Office of the Insurance Ombudsman,6-2-46, 1st floor, ""Moin Court"", Lane Opp. Saleem Function Palace, A. C. Guard s, Lakdi-Ka-Pool, Hyderabad - 500 004. Tel.: 040 - 23312122
Email: bimalokpal.hvderabad @cioins.co.in
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स्टांप ड्यूटी
Stamp Duty:
(₹ *0.50*)

कृते नेशनल इन्श्योरेन्स कंपनी लिमिटेड/
For and on behalf of National Insurance Company Limited
अधिकृत हस्ताक्षरकर्ता/ ***Authorized Signatory***

टैक्स इनवॉयस/**TAX INVOICE**

इनवॉयस क.सं./**Invoice Serial No:** 30602L4PE0000034 इनवॉयस ि तिथ/**Invoice Date:** 06/05/2024

आपूर्तिकर्ता का विवरण/**Details of Supplier**:

नेशनल इन्श्योरेन्स कंपनी लिमिटेड/National Insurance Company Limited.,
HYDERABAD BUSINESS OFFICE II CSR Plaza,D No. 6-3-347/9/4,,2nd Floor,Dwarakapuri Colony,Punjagutta, - 500082
राज्य/State : 36 , Telangana
जीएसटीआएन नंबर/ GSTIN No : 36AAACN9967E6ZZ

प्राप्तकर्ता का विवरण/**Details Of Receiver** : MS THE SINGARENI COLLIERIES CO LTD

पता/Address : CORPORATE FINANCE & ACCOUNTS DEPARTMENT, PO. KOTHAGUDEM COLLIERIES, BHADRACHALAM ROAD RLY STN(S C RLY), BHADRADRI KOTHAGUDEM DISTRICT, TELANGANA
शहर/City : KOTHAGUDEM,
जिला/District: KHAMMAM,
राज्य/State: TELANGANA,
पिन/PIN: 507101.

आपूर्ति का स्थान/Place Of Supply State : Telangana
राज्य कोड/State Code : 36
जीएसटीआईएन नंबर/GSTIN No : 36AAACT8873F1Z1

सैक कोड/**SAC Code**	सेवा का विवरण/ **Description of Service**	कुल/**Total(₹)**	छूट/ **Discount**	टैक्स योग्य/ मूल्य/ **Taxable Value(₹)**	सीजीएसटी की राशि/ **CGST**		एसजीएसटी/यूटीजीएसटी /**SGST/UTGST**		आईजीएसटी/**IGST**		**Kerala Flood Cess**
					दर/ **Rate**	राशि/**Amount(₹)**	दर/ **Rate**	राशि **Amount(₹)**	दर/ **Rate**	राशि/ **Amount(₹)**	राशि/ **Amount(₹)**
997139	Other non-life insurance services (excluding reinsurance services)	65,610	0%	65,610	9%	5,905	9%	5,905	0%	0	0
TOTAL		65,610		65,610		5,905		5,905		0	0

कुल इनवॉयस मूल्य (अंकों में)**Total Invoice Value (In figures) :** ₹ 1,43,035

कुल इनवॉयस मूल्य (शब्दों में)**Total Invoice Value (In words) :** रूपए/**Rupees One Lakh Fourty Three Thousand Thirty Five** केवल/**Only.**

रिवर्स चार्ज के अधीन टैक्स की राशि/ **Amount of Tax Subject to Reverse Charge : No**

E.&.O.E

कृते नेशनल इन्श्योरेन्स कंपनी लिमिटेड/
For and on behalf of National Insurance Company Limited

अधिकृत हस्ताक्षरकर्ता/ **Authorized Signatory**