

**HALF YEARLY ENVIRONMENTAL MONITORING REPORT
APRIL-2025 TO SPTEMBER-2025
KALYAN KHANI-5 (KK-5) INCLINE UNDERGROUND COAL MINE EXPANSION PROJECT
MANDAMARRI AREA**

Submitted to

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

Submitted by



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



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

Ref: No: MMR/ENV/R/003/2025/352

Date:15.11.2025

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

Sir,


Sub: Half yearly Environmental Monitoring report in respect of "**Kalyan Khani-5 (KK-5) Incline Underground Coal Mine Expansion Project**" of the Singareni Collieries Company Limited for the period April-2025 to September-2025 - Reg.

Ref: MoEF (GoI), New Delhi No, J-11015/383/2007-IA.II (M), 27th Oct, 2008.

Reference to the above, the status of implementation of Environmental clearance conditions vis-à-vis Project progress for the period from April-2025 to September-2025 in respect of "**Kalyan Khani-5 (KK-5) Incline Underground Coal Mine Expansion Project**" of the Singareni Collieries Company Limited, Mandamarri (PO), Mancherial -(Dist), Telangana- (State) is being furnished for your kind perusal.

Thanking You,

Yours faithfully,


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

Encl: Half Yearly compliance report of Kalyan Khani-5
(KK-5) Incline Underground Coal mine Expansion Project
General Manager
The Singareni Collieries Co. Ltd.
MANDAMARRI AREA
P.O. KALYAN KHANI-504 23
Mancherial Dist: Telangana.



CONTENTS

Sl. No		Page No
1	PART-1	
	• Salient features of the project	4
	• Compliance status of the EC conditions	6
2	PART-II	
	1. Production details	17
	2. Plantation	17
	3. Water balance statement	17
	4. Micro meteorological monitoring	18
	5. Air pollution control measures	18
	6. Surface water quality monitoring	18
	7. Ground water quality monitoring	18
	8. Phreatic surface monitoring	18
	9. Water pollution control measures	18
	10. Noise pollution control measures	19
	11. Revenue expenditure	19
	12. Socio economic measures	19
	13. Development activities(CSR) under SHAPE programme in the surrounding villages	24
	14. Minutes of the EMC meeting	27
	15. Environmental public hearing minutes	29
3.	ANNEXURES	
	Annexure-I Plantation Plan	31
	Annexure-II Wildlife Conservation Plan	32
	Annexure-III Ground water quality monitoring data	34
	Annexure-IV Ground Water level monitoring data	38
	Annexure-V Ground Water clearance order copy	41
	Annexure-VI Land use and Land cover report	42
	Annexure-VII Air quality monitoring data	43
	Annexure-VIII Effluents monitoring data	47
	Annexure-IX Area Workshop Effluents Monitoring data	48
	Annexure-X Noise quality monitoring data	49
	Annexure-XI Consent for Establishment order copy	52
	Annexure-XII Consent for Operation order copy	53
	Annexure-XIII Public Liability Insurance order copy	54
	Annexure-XIV Surface water quality monitoring data	57



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

PART-1

**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS
FROM APRIL-2025 TO SEPTEMBER-2025**

A. SALIENT FEATURES OF THE PROJECT:

1	Name of the Project:		: Kalyan Khani-5 (KK-5) Incline Underground Coal mine Expansion Project
2	Organization		: The Singareni Collieries Company Limited
3	Coalfield		: Godavari Valley Coal Field
4	Type of Mine		: Underground
5	Technology		: Bord & Pillar with SDLs
6	Environmental Clearance:		:
	A	Letter No & date	: J-11015/383/2007-IA.II (M), Gol, MoEF, Dated:27-10- 2008.
	B	Sanction capacity	: 0.50 MTPA
	C	Mining Lease Area	: 755.10 Ha
	D	Date of Public Hearing	: 13-02-2008
7	Location of the Project:		:
	A	Village	: Sarangapalli
	B	Tahasil	: Revenue Mandal of Mandamarri
	C	District	: Mancherial
	D	State	: Telangana
	E	Latitude	: North : 18 ⁰ 56' 00" TO 18 ⁰ 58' 30"
	F	Longitude	: East : 79 ⁰ 28' 00" TO 79 ⁰ 30' 00"
	G	Topo Sheet	: 56 M/8
	H	Nearest railway station	: Mandamarri
	I	Nearest Airport	: Hyderabad
	J	Nearest town	: Mandamarri
8	Address for Correspondence:		:
	A	Name	: D Rambabu
	B	Designation	: AGENT
	C	Address	: THE AGENT, KK GROUP; THE SCCO Ltd., Post KalyaniKhani; Mandal: Mandamarri; Dist: Mancherial.
	D	Pin Code	: 504 231
	F	E-mail ID	: Agt_kk1_mmr@scclmines.com
	G	Telephone No.	: 08736-256633, 9491144627(Cell phone no)
	H	Fax No.	: 08736-257033
9	Life of the Project:		:
	A	Date of Opening	: 21-05-1958
	B	Balance Life of the mine	: 3 years
10	Seams:		:
	A	Total Seams Present	: IA,I ,III & IV
	B	Seams being worked	: III & IV

KK-5 Incline HYMR Report from April-2025 to September-2025

11	Depth:		
	A	Minimum Depth (m)	25 m
	B	Maximum Depth (m)	385 m
	C	Present working depth (m)	210 m
12	Reserves:		
	A	Total Geological Reserves	: 39.857 MT
	B	Total Extractable Reserves	: 17.682 MT
	C	Reserves already Extracted	: 16.882MT
	D	Balance Reserves	: 0.80 MT
	E	Coal production during last six months	: 0.1005 MT
13	Land Requirement:		
	A	Total Requirement (Mine Take Area)	755.10 Ha
	B	Forestland Involved	229.36 Ha
	C	Non-forestland	490.32 Ha
	D	Land acquired so far (Surface rights)	35.42 Ha
14	Statutory Clearances:		:
	A	Ground Water Clearance	: NOC No: TSGWD/MNCL/WALTA/NOC/MINE/0003 Valid From: 18.01.2024 Valid Upto:17.01.2026
	B	Consent for Establishment	: Order No.46/PCB/CFE/RO-NZB/HO/2009-1072, Dated: 20/07/2009.
	C	Consent for Operation	: Consent order No: 240525266137, Date:23.08.2024, valid up to 30 th September, 2029.
0	D	Forest Clearance	: Initial diversion after F(C) Act 1980 was obtained vide F.No.8-5/88-FC Dt.15.09.1999 valid up to 14.09.2009. Renewal was obtained for the same vide F.No.8-5/1988-FC (pt) Dt.04.02.2013 valid upto 21.05.2030.
	E	Mining Lease	: Covered in North Godavari Mining Lease which was granted vide G.O.Ms.No.III, dt.20.01.1962. Later renewal was granted vide Lr.No.158 valid up to 21.05.2010. Again the lease was renewed on 12.01.2015 vide Lr.No.G.O.Ms.No.1 valid up to 21.05.2030.
	F	Others (Specify)	: Permission to open No.1A,3&4 Seams of Kalyani Khani-5 Incline NoCC/Tech/Op.Per/KK-5 Inc(SCCL)/03-04, 06-11-2003
15	R & R Involved		: No R&R is involved in the project



COMPLIANCE STATUS OF EC CONDITIONS AS ON 30TH SEPTEMBER-2025



1) Specific Conditions:

S. No.	Condition	Compliance Status
i)	Mining shall not be carried in forestland for which forestry clearance has not been obtained under the provisions of FC Act, 1980.	Complied. The forestland involved in the project is 229.36 ha for which diversion with underground rights was obtained, vide F.No.8-5/1988-FC (pt) Dt. 04.02.2013 valid for 21.05.2030.
ii)	Sufficient coal pillars shall be left un-extracted around the Airshaft (Within the subsidence influence area) to protect from any damage from subsidence, if any.	Complied. Air shaft with a diameter of 5.5 m width and 42 m depth is located at surface to – 4 level of 2 dip in III & IV seams. To protect the Airshaft about 60 meters of solid barrier was left all along the perimeter of the shaft as per the DGMS guide lines.
iii)	Solid barriers shall be left below the roads falling within the blocks to avoid any damage to the roads.	Complied. No road is passing over project area.
iv)	Depression due to subsidence resulting in water accumulating within low lying areas shall be filled up or drained out by cutting drains.	Being complied. Depression due to subsidence resulting in water accumulating within low lying areas are being drained out by cutting drains and being ensured that no water is accumulated on the surface of the mine.
v)	While extracting the panels in the lower seam, all the water bodies in the subsidence area shall be drained. Dewatering of old goaves of the upper seams shall be continued as long as the lower seam is worked to prevent the accumulation of large water bodies over working area.	Being complied. While extracting the panels in the lower seam, all the water bodies in the subsidence area is being drained. Dewatering of old goaved out areas of the upper seams are being done as long as the lower seam is being worked to prevent the accumulation of large water bodies over working area. Further, all the precautions are being taken as per the provisions of CMR 2017 and as per the permission given by the <u>DGMS vide letter No. 010010 SCZ HyderabadRegion No.II Perm 2021 9561</u> Date: 25/06/2021.
vi)	Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings should be continued till movement ceases completely. In case of observation of any high rate of subsidence	Being complied. Subsidence survey is being carried out during extraction of the caving 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

S. No.	Condition	Compliance Status
	<p>movement, appropriate effective corrective measures should be taken to avoid the loss of life and material. Cracks should be effectively plugged with ballast and clay soil/suitable material.</p>	<p>subsidence are being effectively plugged by dozing/filling with red earth and plantation taken after stabilization.</p>
vii)	<p>Garland/surface drains (size gradient and length) around the safety areas such as mine shaft and low lying areas and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sufficient number of pumps of adequate capacity shall be deployed to pump out mine water during peak rainfall</p>	<p>Complied.</p> <p>Garland/surface drains of adequate size are made around the Air shaft and entries of the mine so that no water from the surface could inadvertently enter the mine.</p> <p>All the entries (Main incline and Man way incline and the air shaft) are designed at to be minimum 3m above the HFL of the area.</p> <p>Further, the underground sumps are designed keeping the highest seepage calculations and retention time to settle the silt material and adequate pumping capacity (240 hp pumps: 5 nos. and 190 hp pump: 2 nos.) is also provided in the underground sumps to deal during the peak rainfalls.</p>
viii)	<p>Crushers at the CHP should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, and transfer points, etc.</p>	<p>Being Complied.</p> <p>No crusher and CHP is provided on the surface of the mine. The blasted coal in the underground is fragmented which is suitable to be 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 RKP CHP for transportation by Rail mode.</p> <p>However Water spraying is being carried out at the surface bunkers and on the unpaved roads on the surface. All the coal transportation roads and permanent internal roads on the surface of the mine area are black topped.</p> <p>Further, in the connected RKP CHP coal is not pulverized in the crushers and is only crushed to (-)200 mm size. Mist spray arrangements have been provided for controlling dust emissions. The air quality parameters are 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.</p> <p>SCCL has been requesting MoEF&CC to amend the condition of installing bag filters for the CHPs and this condition is not being imposed in the recent ECs issued for coal mines.</p>

S. No.	Condition	Compliance Status
ix)	Drills should be wet operated.	<p>Being complied.</p> <p>As per the provisions of Regulation No.143 of CMR-2017 water spraying is being done in the underground working face before drilling and after blasting to avoid the dust generation in the working places.</p>
xi)	<p>A progressive afforestation plan shall be prepared and implemented for the undisturbed area and shall include area brought under greenbelt development, areas along the roads, infrastructure, over surface where mining is being done below, along ML boundary an township outside the lease areas, etc., by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per Ha.</p>	<p>Being complied.</p> <p>A progressive afforestation plan has been prepared as envisaged in the EIA/EMP. Accordingly, 137.98 ha plantation (32.20 ha plantation in SCCL acquired area and 105.78 ha plantation in the de-graded forest land) has been carried out in the vacant areas, along internal roads and office premises. Block plantation of 884.00 ha has also been carried out in adjacent area of the project in the SCCL acquired land and De- graded forest land. A plantation plan is enclosed.</p> <p>SCCL has a separate Forestry department to implement afforestation plan into the action. The details of progressive plantation is being furnished in the half yearly monitoring reports submitted to Integrated Regional Office, MoEF&CC and Regional Office, TS Pollution Control Board. Photographs showing the plantation are furnished below.</p> <p>Plantation was carried out with the following native species with a density of 2500 plants per hectare.</p> <p><i>Dendrocalamus strictus, Hardwickia binata, Ferronia limonea, Inga dulcii, Holoptelia integrifolia, Azadirachta indica, Acacia nilotica, Acacia planifrons, Acacia ferruginea, Delbergia sisoo, Ficus benghalensis, Emblica officinalis, Aegle marmolose, Peltoforum ferrugenum, Pongamia pinnata, Cassia seamea, Albezia procera, Styloxanthus hamata, Sesbania rostrata, Glyricidia maculate, Leucana leucocephala, Agave, Vettiveria, Saccharum munja</i></p> <p>Plantation plan was enclosed as Annexure-I</p>

S. No.	Condition	Compliance Status
	<p>Plantation outside of the project area</p>	<p>Mango Plantation within the project area</p>  
<p>xii)</p>	<p>Conservation plan for endangered species found in and around the project area shall be formulated in consultation with the State Forest and Wildlife Departments.</p>	<p>Being complied.</p> <p>WLCP was prepared for MM region mines including SKLW project with a fund provision of Rs.554.70 Lakhs, which is approved vide letter No. PCCF/WL14/9-2022, date, 05.02.2023.</p> <p>A copy was enclosed as Annexure-II</p> <p>However, the conservation measures are being implemented for protection of flora and fauna in core and buffer zone.</p>
<p>xiii)</p>	<p>Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and construction of new Piezometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment & Forests and to the Control Pollution Board quarterly within one month of monitoring.</p>	<p>Being complied.</p> <p>Monitoring of ground water levels in the surrounding villages is being carried out four times a year by establishing a network of fourteen (14) existing piezometers to assess the long-term effects.</p> <p>Regular monitoring of ground water quality is being carried out as per statute through MoEF&CC approved third party laboratory M/s Environment Protection Training and Research Institute (EPTRI), Hyderabad.</p> <p>Latest ground water quality and ground water levels are enclosed as Annexure-III & Annexure-IV respectively.</p>
<p>xiv)</p>	<p>The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of</p>	<p>Being complied.</p> <p>The excess mine discharge water after treatment through slow sand filter beds is being let out into nearby nallahs i.e., Palavagu for</p>

S. No.	Condition	Compliance Status
	<p>nearby village(s) in case the village wells go dry due to dewatering of mine.</p>	<p>augmentation of ground water and also for agriculture use by nearby villagers of Shankarapalli, Sandronipalli and Sarangapalli villages.</p> <p>There are 60 no's of Rain water harvesting structures constructed in the Mandamarri area for augmentation of ground water.</p> <p>No incidences of wells going dry till now in the surrounding villages of the mine. In the event of any adverse impact, SCCL shall take suitable remedial measures</p>  <p>Rain water harvesting structure at KK-5 Incline</p>
<p>xv)</p>	<p>The company shall obtain approval of CGWA/CGWB Regional Office for use of ground water if any, for mining operations.</p>	<p>Complied.</p> <p>Ground water clearance was obtained NOC No: TSGWD/MNCL/WALTA/NOC/MINE/0003 Valid From:18.01.2024 Valid Upto:17.01.2026.</p> <p>A copy was enclosed as Annexure-V</p>
<p>xvi)</p>	<p>Sewage treatment plant should be installed in the existing colony. ETP should also be provided for workshop and CHP wastewater.</p>	<p>Complied.</p> <p>SCCL constructed 3 nos. of STPs each with 100 KLD capacity at RKP, Pranahita colony MM and Nagarjuna colony RKP and Bharath colony Somagudem. ETP was constructed at area workshop MM.</p> <p>STP (75 KLD Capacity) constructed at Area Hospital RKP.</p> <p>Photographs showing the ETP at workshop and STP at Pranahitha colony under construction are furnished below:</p>  <p>ETP at Workshop STP Pranahitha colony</p>

S. No.	Condition	Compliance Status
xvii)	For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite Imagery (on a scale of 1:5000) on the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series.) and the report submitted to MOEF & CC and its Regional office at Bangalore.	<p>Being complied.</p> <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey was carried out in the year 2023 in 1:50,000 scale for monitoring land use pattern.</p> <p>Annexure-VI</p>
xviii)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	<p>Being complied.</p> <p>Mine Closure Plan was approved by MoC, GoI, vide letter No: 13016/12/2006-CA-II, dated: 10.02.2016. Accordingly, ECSROW account No.41794088271 was opened.</p> <p>Mine Closure activities are being carried out as per the approved Mine Closure Plan.</p> <p>After approval of the Final Mine Closure Plan by MoC, GoI, it will be submitted to MoEF&CC.</p>







2. GENERAL CONDITIONS:

Sl. No.	Condition	Compliance Status
i)	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	<p>Complied.</p> <p>There is no change in mining technology and the coal is being extracted with Bord and Pillar method of mining with SDLs as envisaged in the EIA/EMP.</p>
ii)	No change in the calendar plan including excavation, quantum of mineral coal and waste shall be made.	<p>Complied.</p> <p>There is no change in calendar plan including excavation quantum of mineral coal and waste.</p>
iii)	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for SPM, RPM, SO ₂ and Nox, Hg and other heavy metals such as Pb, Cr, As etc. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	<p>Complied.</p> <p>Ambient Air Quality monitoring stations comprising of core and buffer zones have been established based on meteorological data, topographical features and environmental sensitive areas, in consultation with Regional Office of Telangana State Pollution Control Board.</p>

Sl. No.	Condition	Compliance Status
iv)	<p>Fugitive dust emissions (SPM and RSPM, Hg and other heavy metals) from all the sources shall be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, and dump trucks (loading and unloading) points shall be provided and properly maintained.</p>	<p>Agreed to comply.</p> <p>As per new ambient air quality guidelines the parameters PM₁₀, PM_{2.5}, SO₂ and Nox are being monitored once in every fortnight through MoEF&CC approved third party laboratory M/s Environment Protection Training and Research Institute (EPTRI), Hyderabad. Data being recorded properly and being submitted to RO, MoEF&CC and RO, TGPCB along with Half yearly monitoring report.</p> <p>The emissions of PM₁₀, PM_{2.5}, and Sox, NO_x and other heavy metals are within the limits.</p> <p>The latest air quality data is enclosed in Annexure-VII</p> <p>Effective water spraying arrangements are being provided at coal loading and unloading points. Coal is being transported in lorries covering with tarpaulin to arrest fugitive dust emissions.</p>
v)	<p>Data on ambient air quality (SPM, RSPM, SO₂ and Nox, Hg and other heavy metals) shall be regularly submitted to the Ministry including its Regional Office at Bangalore and to the State Pollution Control Board and the Central Pollution Control Board once in six months.</p>	<p>Complied.</p> <p>Data on ambient air quality (PM₁₀, PM_{2.5}, SO₂ and Nox) is being submitted regularly to the RO, MoEF&CC, Hyderabad and RO, TGPCB on half yearly basis.</p>
vi)	<p>Adequate measures shall be taken for control of noise levels below 85 Db(A) in the work environment. Workers engaged in blasting and drilling operation, operation of HEMM, etc shall be provided with ear plugs/muffs.</p>	<p>Agreed to comply.</p> <p>All the noise control measures such as thick Plantation around the fan house and project area has been carried to dampen the noise, provision of Evasee to main mechanical ventilator to reduce the noise from the main mechanical ventilator and height of fall of coal in the bunkers is reduced to minimize the noise etc.,</p> <p>All the employees engaged on drilling, blasting, operations of machinery and pumps and other noise prone areas in the underground are being provided with earplugs.</p> <p>Noise quality is being monitored once in every fortnight through MoEF&CC approved third party laboratory M/s Environment Protection Training and Research Institute (EPTRI), Hyderabad. Data being recorded properly and being submitted to RO, MoEF&CC and RO, TGPCB along with Half yearly monitoring report.</p> <p>The noise levels are within the limits. The latest noise quality data is enclosed in Annexure-X</p>

Sl. No.	Condition	Compliance Status
vii)	<p>Industrial waste water (workshop and wastewater from the mine) shall be properly collected, treated so as to confirm to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.</p>	<p>Agreed to comply.</p> <p>The quality of mine discharge water is being monitored as per MoEF&CC recent guidelines i.e. GSR 742 (E) and GSR 801 (E) effluent Standards for Coal Mines.</p> <p>The mine discharge water is being treated through slow sand filter beds and treated mine discharge water is being partly utilized for the purpose of drinking, dust suppression, plantation etc., and partly sent to the nearby 13allahs i.e., Palavagu.</p> <p>The mine discharge water quality parameters are meeting the stipulated norms and analysis reports are being submitted to the ministry along with half yearly reports.</p> <p>The latest mine discharged water quality data enclosed as Annexure-VIII. Workshop Effluents quality data enclosed as Annexure-IX.</p> <p>The workshop effluents are treated in the ETP and Oil & Grease is being separated before discharging the work shop effluents.</p>
viii)	<p>Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.</p>	<p>Agreed to comply.</p> <p>Vehicles used for transportation of coal are being tuned regularly for control of emissions as per manufacturer schedule. Coal is loaded optimally in the coal transportation trucks and covered with tarpaulin to reduce the dust emission during transportation.</p>
ix)	<p>Environmental laboratory shall be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.</p>	<p>Complied.</p> <p>Environmental monitoring is being carried out through M/s EPTRI, Hyderabad, a MoEF&CC, CPCB recognized and NABL accredited laboratory.</p>
x)	<p>Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.</p>	<p>Complied.</p> <p>All the Persons deployed in dusty atmosphere are being provided with dust masks and adequate training is being provided in the mine vocational training centers on safety and health aspects.</p> <p>Occupational health surveillance is being carried out periodically through Periodical Medical Examinations (PME) once in every 5 years (below 45 Years employees) and 3 years (45 Years and above employees). Every year 1/3rd and 1/5th of the total manpower is being covered under PME respectively. Corrective measures are being taken if any abnormality is found during the PME. About 141 nos. of employees have under gone PME during the period from April-2025 to September-2025.</p>

Sl. No.	Condition	Compliance Status																																	
xi)	<p>A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the Company.</p>	<p>Complied.</p> <p>A company level environment cell with qualified personnel headed by General Manager (Environment) who is reportable to the Director of the Company is established to monitor and guide in implementation of the environmental safeguards.</p> <p>An area level environmental cell headed by qualified environmental officer is established and functioning under the control of area General Manager to monitor and guide in implementation of the environmental safeguards.</p> <p>Apart from this, a unit level Environmental Management Committee with multidisciplinary team has been constituted under the chairmanship of SO to GM. The committee has been constituted with following members.</p> <table border="1"> <tr> <td align="center">1.</td> <td>SO to General Manager</td> <td>Chairman</td> </tr> <tr> <td align="center">2.</td> <td>Project Officer</td> <td>Member</td> </tr> <tr> <td align="center">3.</td> <td>Area Engineer (E&M)</td> <td>Member</td> </tr> <tr> <td align="center">4.</td> <td>Area Civil Engineer</td> <td>Member</td> </tr> <tr> <td align="center">5.</td> <td>Area Forest Officer</td> <td>Member</td> </tr> <tr> <td align="center">6.</td> <td>Area Estates Officer</td> <td>Member</td> </tr> <tr> <td align="center">7.</td> <td>Project Manager</td> <td>Member</td> </tr> <tr> <td align="center">8.</td> <td>Project Engineer</td> <td>Guest Member</td> </tr> <tr> <td align="center">9.</td> <td>Area Env. Officer</td> <td>Convener</td> </tr> <tr> <td align="center">10.</td> <td>Sr. Hydro Geologist</td> <td>Member</td> </tr> <tr> <td align="center">11.</td> <td>Area Survey Officer</td> <td>Guest Member</td> </tr> </table>	1.	SO to General Manager	Chairman	2.	Project Officer	Member	3.	Area Engineer (E&M)	Member	4.	Area Civil Engineer	Member	5.	Area Forest Officer	Member	6.	Area Estates Officer	Member	7.	Project Manager	Member	8.	Project Engineer	Guest Member	9.	Area Env. Officer	Convener	10.	Sr. Hydro Geologist	Member	11.	Area Survey Officer	Guest Member
1.	SO to General Manager	Chairman																																	
2.	Project Officer	Member																																	
3.	Area Engineer (E&M)	Member																																	
4.	Area Civil Engineer	Member																																	
5.	Area Forest Officer	Member																																	
6.	Area Estates Officer	Member																																	
7.	Project Manager	Member																																	
8.	Project Engineer	Guest Member																																	
9.	Area Env. Officer	Convener																																	
10.	Sr. Hydro Geologist	Member																																	
11.	Area Survey Officer	Guest Member																																	
xii)	<p>The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bangalore.</p>	<p>Agreed to comply.</p> <p>The funds earmarked for environmental protection measures are not being diverted for any other purpose.</p> <p>For implementing EMP and environmental conditions, responsibilities are being assigned to the concerned unit level and area level officers after time-to-time review meetings. Till now about Rs.1.66 Crores was spent as environment capital expenditure and about Rs.13.87 Crores (2008-09 to 2022-23) was spent under environmental revenue expenditure.</p> <p>Year wise progress of implementation of environmental protection measures is being reported to the RO, MoEF&CC along with the half yearly monitoring report.</p>																																	
xiii)	<p>The Regional Office of this</p>	<p>Agreed to comply.</p>																																	

Sl. No.	Condition	Compliance Status		
	Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	The management will extend full co-operation to the officers of the Sub-regional office, Hyderabad in furnishing the required data/ information/ monitoring reports.		
xiv)	A copy of the EC will be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/ representation has been received while processing the proposal.	<p>Complied.</p> <p>A copy of the EC was submitted to Zilla Parishad, Mancherial / Municipal council, Mandamarri</p> <p>Further, a copy of the EC copy displayed on company's website i.e., https://sclmines.com/env/docs/ECS/32007.pdf for public viewing.</p>		
xv)	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/ Tahsildar's Office for 30 days.	<p>Complied.</p> <p>A copy of the EC letter was displayed at RO, office of TGPCB, District Industry Centre and Collector's Office/ Tahsildar's Office and on the website of the State pollution control board.</p> <p>Further, EC copy has also been placed in the company's website i.e., https://sclmines.com/env/docs/ECS/32007.pdf for public viewing.</p>		
xvi)	The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at the website of the ministry of Environment & Forests at http://envfor.nic.in .	<p>Complied.</p> <p>The advertisement was given in Deccan chronicle (English Daily paper) and Vartha (Telugu Daily paper) on 18.11.2008 which are widely circulated around the project area informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and EC copy is also be seen at the website of the MOEF&CC.</p> <table border="1" data-bbox="699 1381 1425 1766"> <tr> <td data-bbox="699 1381 1084 1766"> <p align="center">Vaartha (Telugu) daily on 18.11.2008</p>  </td> <td data-bbox="1084 1381 1425 1766"> <p align="center">Deccan Chronicle (English) daily on 18.11.2008.</p>  </td> </tr> </table>	<p align="center">Vaartha (Telugu) daily on 18.11.2008</p> 	<p align="center">Deccan Chronicle (English) daily on 18.11.2008.</p> 
<p align="center">Vaartha (Telugu) daily on 18.11.2008</p> 	<p align="center">Deccan Chronicle (English) daily on 18.11.2008.</p> 			
3	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Agreed to comply.		

Sl. No.	Condition	Compliance Status
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.	Agreed to comply.
5	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	<p>Complied.</p> <p>The above conditions are being complied as per Water (Prevention & Control of Pollution) Act 1974, The Air (Prevention & Control of Pollution) Act, 1981 The Environment (Protection) Act, 1986.</p> <p>CFE was obtained vide No.46/PCB/CFE/RO-NZB/HO/2009-1072, Dt:20.07.2009.</p> <p>A copy was enclosed as Annexure-XI</p> <p>CFO was obtained vide no. 240525266137 Dt:23.08.2024, valid upto 30th September 2029.</p> <p>A copy was enclosed as Annexure-XII</p> <p>Public Liability Insurance Policy is taken from the New India Assurance Company Ltd under Public Liability Insurance Act, 1991 vide policy No. 550200492510000035, valid from 30.04.2025 to 29.04.2026, which will be renewed periodically.</p> <p>A copy was enclosed as Annexure-XIII</p>

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

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



PART-II

A periodic progress report regarding environmental protection measures till 30.09.2025

1. Production Details:

S.No	Year	Coal (in MT)As per EC	Actual MT
1	2014-15	0.50	0.231
2	2015-16	0.50	0.118
3	2016-17	0.50	0.243
4	2017-18	0.50	0.247
5	2018-19	0.50	0.250
6	2019-20	0.50	0.144
7	2020-21	0.50	0.041
8	2021-22	0.50	0.16
9	2022-23	0.50	0.172
10	2023-24	0.50	0.197
11	2024-25	0.50	0.205179
	2025-26 (April-2025 to Sep-25)	0.50	0.1005

2. Plantation:

1	No of plants planted during last six months / last year	Nil
2	Area covered in Ha	Nil
3	Expenditure incurred in Rs.lakhs	3,040,352
4	Total area brought under plantation so far in Ha	137.98 Ha
5	Total no of plants planted so far since inception	80380
6	Species of plants planted	Clones and mixed with native species
7	Seeds sown so far	Hemata grass, babul and subabul etc.
9	Total expenditure in Rs. lakhs	21.83

3. Water Balance Statement:

S.No.	Description	Quantity in KLD
1	Average quantity of water pumped out of the mine	2677
2	Water used for drinking/bathing and other industrial requirement	200
3	Water used for washing of HEMM	-----
4	Water used for plantation	20
5	Water supplied for nearest township/ village for domestic purpose	1698
6	Dust suppression	24
7	Excess water let out	735

4. Micro-meteorological station was installed on the top of GM’s office, Mandamarri. The summary of the monitoring from 01.04.2025 to 30.09.2025 as follows:

S.No	Parameter (s)	Min	Max	Mean
1.	Temperature (°C)	21.3	46.9	31.2
2.	Wind Speed (m/s)	Calm % 19.81	9.0	1.5
3.	Relative Humidity (%)	10.5	99.1	48.7
4.	Predominant Wind direction for the study period	North West (NW) followed by South East-East (SE-E)		
5.	Total Rainfall (mm)	1369.9		

5. Air Pollution Control Measures:

- Adequate water spraying arrangements have been made at all working coal faces and galleries. Water spraying is regularly done at loading and unloading places of tipplers and bunkers at pit head on surface.
- Water spraying is regularly done by tractor mounted water tanker exclusively engaged to serve the purpose.
- As on date 137.98 ha of Block plantation is being done. Further Avenue plantation has been taken up during Monsoon 2017.
- The underground workings of the mine are well ventilated by adequate ventilation arrangements are made as per the requirements and standards specified in this regard by Director General of Mines Safety (DGMS)

6. Surface Water Quality Monitoring: Monitoring Data:

The summary of the monitoring from 01.04.2025 to 30.09.2025 is enclosed as **Annexure-XIV**.

7. Groundwater Quality Monitoring: Monitoring Data:

The summary of the monitoring from 01.04.2025 to 30.09.2025 is enclosed as **Annexure-III**.

8. Phreatic surface monitoring:

(Range of Water Table)The summary of the monitoring Ground Water Table from 01.04.2025 to 30.09.2025 is enclosed as Annexure-IV

9. Water pollution control Measures:

- The mine discharge water, which may contain coal fines, needs sedimentation, before discharge into the natural water course / open land. The treatment facilities such as sedimentation, filtration and chlorination was provided for mine discharges, so as to conform to the effluent standards as prescribed by MoEF.
- The effluents from service building is being collecting by a sewage system and treatment by means of septic tanks and soak pits. Sewage is discharging after treatment.
- Sewage is being treated in septic tank followed by soak pit for existing townships in Mandamarri Area.

10. Noise Pollution Control Measures:

- The main mechanical ventilator (MV Fan) is provided with evasee which dampens the noise.
- Height of fall has minimized at all coal transfer points and internal lining of bins and chutes were provided.
- Where the high noise intensity working areas / zones earmuffs and earplugs is being providing to the workmen.
- Regular noise level monitoring is being carrying periodically.
- Management of manpower working in high noise level areas such that the assignment is distributed amongst more persons thereby reducing individual explosure to high nose level to fewer hours in a shift and maintaining equivalent noise level exposure a shift is being complied.
- Extensive plantation of green belt and vegetation along the roads and around the offices to create a barrier and screen between the source and the receiver noise is absorbed and the exposure level is minimized.

11. Revenue Expenditure incurred on Environment Management and Pollution Control Measures:

The Expenditure incurred from April-2025 to September-2025 as follows:

SI. No.	Description	Rs. of Expenditure
1	Air Pollution Prevention & Control measures (Including free Gas supply of workers)	2,636,732
2	Water Pollution Prevention & Control measures	7,178,862
3	Plantation	3,040,352
4	Water spraying arrangements	1,005,005
5	CFO fee	-
6	Water cess	-
Total Expenditure.		13,860,952

12. Socio-economic Measures:

- i. A common central township is provided on a non coal bearing area and it is maintained with such facilities like dispensary, schools, drinking water supply, market place, recreation clubs, Parks, well lighted approach roads and play ground, dust bins etc., at various places in the colony and it is away from mining activity. Sulabh Complexes are constructed in and around mining colonies in addition to individual toilets provided in quarters.
- ii. Existing no of quarters in Mandamarri area : 8191
- iii. Workers are being educated about the importance of family planning and gents 6 days leave and 182 days for women employees is being given as encouragement.

- iv. Arrangements are being made for giving vaccination to children and adults to protect from diseases and steps are taken to eliminate / control Malaria and other seasonal diseases under effective supervision of Health Officer.
- v. All necessary steps are being taken for improving general sanitation of Township/Colony under effective supervision of Health Officer.
- vi. Sports and games are being conducted for workmen and also in the surrounding villages regularly.
- vii. Greenery is being developed in the existing colonies and also avenue plantation along the roads of surrounding villages.
- viii. a) Planting has been done in 70.00 ha with 165700 number of seedlings.
b) 31655 fruit bearing plants were disturbed to surrounding villages and to other departments during 2024 monsoon season.

ix. **Similarly as part of Haritha haram:**

- 500 nos saplings are planted at Muthyampalli village, Kasipet Mandal.
- 201463 nos of fruit bearing saplings are planted on 26.09.2020 and 17.02.2021 at monkeys food court at KK-5 mine premises.
- 2 nos solar power plants with 43 MW has been installed at Mandamarri area, 15MW capacity at Muthyampalli village, Kasipet Mandal, 28 MW capacity (MMR-I) at Pranahita Colony, Mandamarri Mancherial district synchronized with TS Transco in the year 2021.

Further 63.5 MW solar plants erection work under progress in the surrounding areas of Bellampally and Mandamari towns of Mandamarri Area in the Mancherial district.

- **Welfare measures:** New canteens constructed and inaugurated during the year at Shantikhani Longwall project and Kasipeta-2 Underground Mine Project.
- Installed RO plants at all the mines and departments for supply of purified and hygienic mineral water to all employees.
- Ayurvedic medical camps conducted for benefit of the employees and their family members.
- CPRMS-NE: Health cards issued to Ex Employees -5965.
- HBLIRS availed by 670 employees.
- Swachta Maha & Swachta hi seva, "Swachatah Pakhwada," "Swachta hi seva" "Haritha Haram" programmes conducted.
- 2257 persons were donated BLOOD at MVTC, Mandamarri area since 2019.
- Conducted World Yoga Day programme at SCH grounds and other schools of Mandamarri on 21.06.2019 with involvement of 12,141 persons.
- Conducted CIL Athletic meet wherein 10 companies participated in the event.

KK-5 Incline HYMR Report from April-2025 to September-2025

- SEVA ACTIVITIES; Training given to 10,500 persons in various works like Tailoring, Beautician, Maggam works, DCA course, motor driving, Security guard training, Army Training, Volvo driving training etc since starting of seva activities in the company .
- As in the part of welfare measures – civil repairs are being taken up regularly for the benefit of employees, as well to the common public.
- Avenue plantation done in KKOC mine premises (2.5 km) -1000 nos and Kasipet-2 approach road (2.5km) -1733 nos.
- As per Govt of India, circular **Bharath Ka Amruth Mahotsav** programmes were conducted on the following topics.
 - a) Fruit bearing plants were distributed to the neighbouring villages Yerraguntapalli and Mamidigudem on 20.10.2021.
 - b) 500 nos Jute bags were distributed to the employees on 20.01.2022.
 - c) General awareness programme was conducted on “Plastic waste Management” on 10.02.2022.

Various training programmes have conducted in the year 2018-19, for unemployed surrounding village people and the details are as given below :

SI No	Year	Course	Centre and Location	No of persons
1	2018-19	Computer DCA course	Maya computer centre Mandamarri	20
2		Motor Driving (LMV)	SRR Motors, Mandamarri	40
3		Tailoring	Ramakrishnapur	25
			Mandamarri	28
			Yapal, Mandamarri	34
			Kasipet & Somagudem	25
4		Beautician	Ramakrishnapur	25
			Mandamarri	25
			Yapal, Mandamarri	25
			Bellampalli	20
5		Fashion designing course	Ramakrishnapur	20
			Mandamarri	25
			Yapal, Mandamarri	25
			Bellampalli	25
6		Meggam work course	Ramakrishnapur	28
			Mandamarri	28
			Yapal	40
			Bellampalli	25
			Total:	473

x. **Training given to project affected people during the year 2018-19**

S.No	Project affected peoples	Vocational course	No of students
1	Adilpet village (Sravanpalli OCP)	Tailoring course	22
2	Amarawadi, Sheshapelli, Doragaripalli & Kyatanpalli (RKPOCP)	Tailoring course	60
3	Lambadi thanda, Dubbagudem	Tailoring course	25
4	Akenapalli (KKOCP)	Tailoring course	25
5	Mamidigattu (Sravanpalli OCP)	Fashion designing	30
6	Mamidigattu, Kasipet & Muthyampalli (KKOCP)	Beautician	60
7	Mamidigattu, Dubbagudem, Amaravadi & RK-4 gadda (KKOCP, RKOCP & Sravanpalli OCP)	Computer DCA	40
8	Jendavenkatapur, Dubbagudem, Mamidigattu, Sravanpalli, Adilpet, Sarangapalli & Erraguntapalli.	LMV (Driving)	60
9	All Mining Projects, Mandamarri	Army training	51
Total:			373

- xi. To encourage unemployed youth on Entrepreneurs Development Programme for establishment of Ancillary units and from which the products are being utilized in mines and departments and the details are as follow:

Presently, 13 new entrepreneurs were selected for establish new ancillary units i.e. BPA-3, MM-5 and SRP- 05

Entrepreneur Development Programme was conducted to these 14 candidates from 4th June to 14th June 2012 at Yellandu Club, Mandamarri jointly by the Centurion University, Khadi Gramodyog Vidyalay and Officials from Singareni collieries Co Ltd.,

The units proposed are: Roof bolts – 4 persons, motor winding works – 1, House wiring – 3, GI Canisters – 1, Dog nails, bolts & nuts – 1, Fish plates – 1, Fabrication – 2, GI Wire items – 1

Out of these 14 persons, 13 have applied for loan through Prime Minister's Employment Generation Programme as detailed Below:

For Rs 25 lakh:	4 persons
For Rs 20 lakh:	1 person
For Rs 10 lakh:	2 persons
For Rs 7 lakh:	1 person
For Rs 1 lakh:	5 person

All the above 13 candidates obtained Vendor codes from SCCo Ltd. and got their proposed firms registration. SCCL had given tenders of order value of 13.43 crores to the Ancillary units during 2017-18.

Singareni Sewa Samithi training particulars for the year 2022-23

SI.No	Name of course	Location	Strength
TAILORING			
01		PH colony	25
02		RKP	25
03		Yapal	25
04		Somagudem	25
BEAUTICIAN			
01		RKP	25
02		MM (Yoga hall)	25
FASHION DESIGNING			
01		RKP	25
02		Yapal	25
03		SCHS ground,MM	25
MAGGAM WORK			
01		RKP	20
02		Adilpet	26
03		Yapal	25
04		Peddana palli	25
Total:			321

Singareni Sewa Samithi training particulars for the year 2023-24

SI.No	Name of Course	Location of Centre	No of persons
TAILORING			
01		PH colony	49
02		RKP	41
03		Yapal, MM	26
04		Somagudem	24
05		SCHS ground MM	26
BEAUTICIAN			
01		RKP	49
02		SCHS MM (Yoga hall)	40
FASHION DESIGNING			
01		RKP	20
02		Yapal, MM	40
03		SCHS ground, MM	20
04		Sarangapalli village	27
MAGGAM WORK			
01		RKP	20
02		Adilpet	24
03		Yapal, MM	17
04		Peddnapelli	25
05		SCHS ground, MM	19

KK-5 Incline HYMR Report from April-2025 to September-2025

06		Somagudem	21
COMPUTER COURSE			
01		Maya computer center, Mandarri Market	20
Total:			508

Singareni Sewa Samithi training particulars for the year 2024-25

SI. No	Name of Course	Location of Centre	No of persons
TAILORING COURSE			
01	Tailoring	RKP (Sewa room)	50
		Adilpet (village)	24
02	Tailoring	SCHS ground MM, (Sewa room)	46
03	Tailoring	Turuka palli ,Village (Sewa room)	25
			145
BEAUTICIAN COURSE			
01	Beautician course	RKP (Sewa room)	27
02	Beautician course	SCHS ground MM. (Sewa room)	55
			82
FASHION DESIGNING COURSE			
01	Fashion designing	Ph colony ,MM	17
02	Fashion designing	SCHS ground MM. (Sewa room)	47
			64
MAGGAM WORK COURSE			
01	Maggam work	RKP (Sewa room)	19
02	Maggam work	SCHS ground (Sewa room), MM	18
03	Maggam work	SCHS ground MM. (Sewa room)	19
			56
COMPUTER CLASSES			
01	COMPUTER	MAYA COMPUTER CENTER, MM	20
			20
TOTAL			367

13. Development activities (CSR) under SHAPE Programme in the surrounding villages from 2003-04 to 2008-09:

- a).Towards school building and compound : 21.80 lakhs
- b).Towards drinking water in the surrounding villages
(namely Mandamarri, Amaravadi, Kurmapalli, Kasipet
and Muthyam palli etc) for bore holes, overhead tanks
and pipe lines : 24.50 Lakhs
- c).Towards BT, CC roads, drainages, bridges & street lighting : 498.25 Lakhs
- Total : 544.55 Lakhs**

CSR works for the year 2014-15

S. No.	Description of the work	Amount in Lakhs
1	Miscellaneous civil works to police station building to accommodate CI office room	2.90
2	Drilling of bore holes including fixing of hand pumps under CSR at MM area	2.77
3	White washing and coloring works to police station building at MM area	1.60
4	M&R works to police station building at RKP	1.10
5	Providing dust bins and iron gates to project affected villages of KKOC and sravanapalli OC at Mandamarri area	2.86
6	Providing pipe culvert at Mamidigattu Mandamarri area	2.94
	Total Amount:	14.17

CSR works for the year 2015-16 to 16-17

S.No	Description of the work	Amount in Lakhs
1	Towards CC road and metal road	111.30
2	Towards CC drains	41.00
3	Drilling of bore holes	45.74
4	Construction of overhead tank	30.00
	Total:	228.04

CSR activities taken up during 2017-18

- 1) Similarly, during the year 2018-19 the following works are being taken up:
 - An amount of Rs.189.64 lakhs for CC Drains & development of roads
 - An amount of Rs.60 Lakhs allotted for widening of roads & Central lighting system.
 - Hand Pumps worth Rs.17 Lakhs
 - Construction of Public Toilets worth Rs.19.37 Lakhs
And in Bellampalli Town
 - An amount of Rs.162.90 lakhs for CC Drains & Roads
 - An amount of Rs.100.00 Lakhs for construction of Ambedkar Building

- 2) On 04.02.2018, a mega medical camp was organized at Saranga Palli Village with medical specialists and medical tests were conducted for nearly 1200 persons and necessary treatment was extended for identified persons. In the coming days also, medical camps will be organized in the project affected villages. 81 persons were identified for cataract surgery which will be done at free of cost.

- 3) Company has supplied 55 nos. benches to the schools of nearby villages.
- 4) 14 Unemployed youth were given training in Volvo Truck driving at Bengaluru.

- 5) 87 persons were given training for Army Recruitment.

- 6) Specialized training session has been given to 25 Female & 30 Male unemployed youth so far for police recruitment.

- 7) SCCL authorities have already deposited with District Collector, Mancheril around Rs.215 Crores (from January, 2016 to March, 2018 under D.M.F (District Mineral Foundation) Trust, which will be spent for developments and upliftment of surrounding villages.

CSR works for the year 2018-19

- | | |
|--|-----------------|
| 1) Providing second toilet complex at Shanthinagar colony,RK-4 -gadda RKP , MM area | : 9.31 |
| 2) Drilling of 8 nos bore wells wih hand pumps to surrounding villages of proposed Kalyanikhani -6 inc project , MM area. | : 2.79 |
| 3) Development works in surrounding habitations of SCCL areas of Bellampalli and Mm area under SHAPE-11-12 programme | : 6.71 |
| 4) Providing development works at Mandamarri and it surrounding villages under CSR programme | : 13.827 |
| 5) Infrastructure development works (laying of Roads and construction of Drains etc.) in the surrounding areas of Mandamarri area, Mancherial District | : 50.876 |
| 6) laying of CC roads and Drains at Kasipet GP in Mancherial District Works sanctioned under CSR.- Under Corporate Social Responsibility activities (CSR) | : 56.39 |
| 7) Providing infrastructure to Central Nursery at Patha Bellampally, Mancherial dist | : 15.50 |
| 8) Infrastructure development woks in Urban areas such as Development of KCR park at Mandamarri town (orregadda) of Mandamarri Mandal –Mancherial dist. | : 200.00 |

CSR works for the year 2019-20:-

- | | |
|--|----------|
| 1. Development works such as laying CC/BT roads construction of open GYM, providing Hy- mast solar light planting trees Bellampalli Assembly constituency. | : 200.00 |
| 2. Construction of integrated market at Chennur Municipality of Chennur Assembly constituency. | : 150.00 |

CSR works for the year 2021-22:

- | | |
|---|----------|
| Construction of class rooms and toilet blocks at ZPS school at Orregadda, Mandamarri of Chennur constituency, certain balance works to park at Bellampalli Muncipal limits. | : 100.00 |
|---|----------|

CSR works for the year 2022-23:

- | | |
|---|---------|
| Insall CCTV camers in Mandamarri Area for the safety and Security of women/public in Mancherial-Dist.
Note no MMR/GMO/G/006/2022/983/5 dt 21.11.2022 | : 10.00 |
|---|---------|

CSR works for the year 2023-24:

- 1) Financial support for poor ST students towards School fee and tutor Fees-
Ramji gond student home (ST Home) at Bellampalli : 3.00
- 2) Providing Rural development works in the Chennur (SC) constituency : 200.00
- 3) Providing Rural development works in the Bellampalli (SC) constituency : 200.00

CSR works for the year 2024-25:

- 1) Providing Rural development works in the Chennur (SC) constituency : 200.00
- 2) Providing Rural development works in the Bellampalli (SC) constituency : 200.00

CSR works for the year 2025-26:

- 1) Rejuvenation of old water bodies in and around Coal belt areas of Singareni : 109.51
with CSR Funds Mandamarri and Bellampalli Conisitences (Upto Sept-2025)

Mobile medical camps conducted in nearby villages and the details are as below:

Medical camps/programmes	No of Programmes	No of Beneficiaries
Medical Camps	2	1300
Mobile Medical Services	2	246
School Health Programmes	7	750
Health Awareness Programmes	16	1746

14. MINUTES OF THE ENVIRONMENTAL COMMITTEE MEETING

Environmental committee meeting of KK-5 Incline held on 13.03.2025 under the Chairmanship of Shri R.Vijaya Prasad, SO to GM, Mandamarri and the following executives were attended.

Sl. No.	Name S/Sri	Designation	Administrative set up
1	R.Vijaya Prasad	SO To GM	Chairman
2	D Rambabu	Project Officer	Member
3	Shambhunath Pandey	Project Manager	Member
4	Balaji Bhagwati Jha	Area Engineer(E&M)	Member
5	B.Ramu	Area Civil Engineer	Member
6	B.Desai	Area Survey Officer	Member
7	K.Venkata Reddy	Area Environmental Officer	Convener
8	R. Naveen Kumar	Area Forest Officer	Member
9	O.Navaneetha	Area Estate Officer	Member

At outset, Area Environmental Officer briefed about each condition imposed in Environmental Clearance and for every condition present status reviewed and the ATR vs responsibility of the members is being furnished as under.

Minutes of the Meeting

Specific conditions:

S.No	EC condition	Action to be taken	Responsibility
1	(i) Mining shall not be carried in forestland for which forestry clearance has not been obtained under the provisions of FC Act, 1980.	No work should be done in the forest land, for which forestry clearance has not been obtained.	Sri. Shabhunath Panday Project Manager
2	(iv) Depression due to subsidence resulting in water accumulating within low lying areas shall be filled up or drained out by cutting drains.	The area on the surface should be thoroughly inspected for any depressions, cracks and low lying areas due to subsidence. The crakes to be filled with earthen material if found any crakes.	Sri. Shabhunath Panday Project Manager Sri. Md Nazeeruddin Project Survey Officer
3	(vi) Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings should be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures should be taken to avoid the loss of life and material. Cracks should be effectively plugged with ballast and clay soil/suitable material.	Regular monitoring of subsidence movement should be carried. Cracks should be effately plugged with clay material.	Sri. Shabhunath Panday Project Manager Sri. Md Nazeeruddin Project Survey Officer
4	(viii) Crushers at the CHP should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, and transfer points, etc.	Dust suppression arrangements which were provided at RKP CHP should be effectively maintained.	Sri A.Chandramouli SE (E&M), RKP CHP
5	(xii) Conservation plan for endangered species found in and around the project area shall be formulated in consultation with the State Forest and Wildlife Departments.	The conservation measures should be implemented strictly for protection of the flora and fauna present in the core and buffer zones of the project.	Sri. Shabhunath Panday Project Manager Sri R.Naveen Kumar Area Forest Officer

General Conditions:-

S.No	EC condition	Action to be taken	Responsibility
6	(i) No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	There is no change of mining technology and scope of work and it is being done with shovel, dumper combination. Prior approvals will be obtained from MoEF & CC in case of any change in technology and scope of work.	Sri. Shabhunath Panday Project Manager

The above meeting was concluded by expressing thanks to the participants.

15. Environmental Public Hearing Minutes Vs Response/Commitment of Project Proponents

And

Present Status

Date of Public Hearing Conducted: 13-02-2008 (11.00 AM)

Venue: Zilla Parishad Girls High School, Mandamarri (Village & Mandal), Mancherial (Dist)

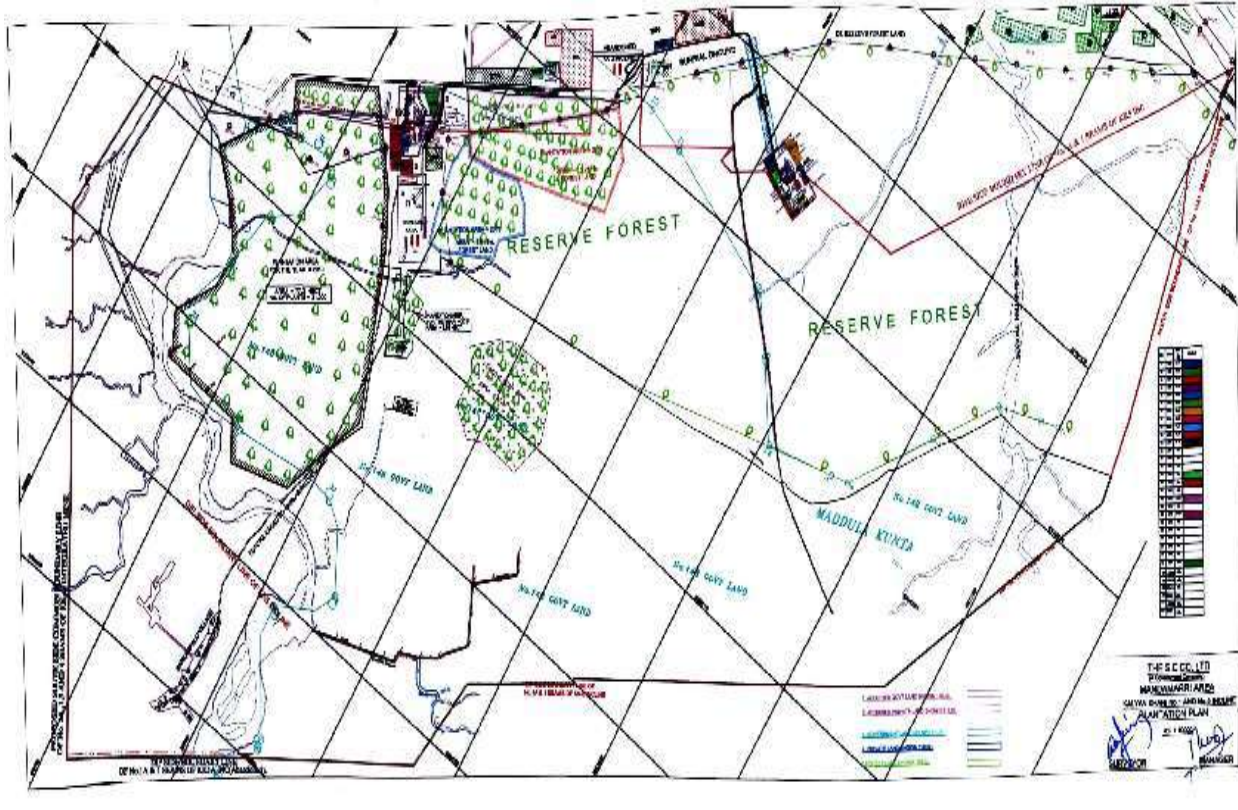
Sl. No.	Issue raised by the public	Response/Commitment of Project proponents	Present status
1	Transportation of coal by Lorries through villages is causing air pollution and complained that coal transport lorries are not covered with tarpaulin and requested for providing road dividers. Requested for taking steps to redress air pollution problem from Pakistan Camp to Mandamarri Rly stn. and requested for laying of cement road.	It was informed that Water spraying at RK-1A Incline Weigh Bridge is being carried out to curb with air pollution. Air pollution control measures such as covering the coal trucks with tarpaulins will be ensured. He informed that from Pakistan Camp at RKP, coal is being transported by private Washeries and not by SCCL, however he would take up the matter with the owners of the washeries to resolve the pollution problem of this area.	Coal trucks are covered with Tarpaulins while transporting Coal. Laying of WBM road from Pakistan Camp to Mandamarri Rly. Stn is made. After settling of road with WBM cement road will be laid.
2	Informed that the surrounding villagers are facing drinking water and requested to solve the water supply problem of Chirrakunta Village due to KK-5 incline SCCL should supply mine water to the nearby villages.	General Manager, Mandamarri explained that due to opening of the mines by SCCL, development has taken place in surrounding villages such as transportation, and establishment of other ancillary industries. He assured that he would examine the possibility of supply of water and clarified that Chirrakunta Village is not falling in the mine plan of KK-5 Incline and stated that water problem is not due to mining activities. However 40No's hand bore wells constructed in the surrounding villages.	It is agreed to supply water through tankers and by drilling additional bore wells if any village well goes dry due to mine activities. As on date, Village Gram Panchayath made Water supply system from Open well and found no noticeable complaints.

Sl. No.	Issue raised by the public	Response/Commitment of Project proponents	Present status
3	Informed that few villages are lying over the mine workings of KK-5, RK-1A and due to underground mining operations, it is becoming difficult to locate drains for agricultural purpose and they area compelled to rely on bore wells and requested SCCL for diversion of excess mine discharge water to these villages for cultivation.	Regarding water problems, General Manager, Mandamarri assured that he would visit the villages and will examine the possibility of diversion of excess mine water from mine. He further requested villagers to consult SCCL before digging new bore well for identification of proper place and also informed that the management will depute its Hydro-geologist to identify suitable location for making bore wells.	Presently, the problem is resolved. Since excess mine water is being diverted through Palavagu and nearby villages are utilizing the water.
4	Stated that due to mining operations in KK-5 Incline, the bore wells may dry up and the mango gardens may be damaged, rendering the dependents into distress and requested that the company should provide livelihood or compensation for the loss.	General Manager, Mandamarri informed that there will be no harm to said bore well as the working of KK-5 Incline will not reach up to that place. In case of any problem the same will be looked into.	Compensation paid to the Mango garden owner and the area is under possession of the Company.
5	Requested SCCL to allocate SHAPE funds to their village for supply of drinking water from mine as well as Godavari River Water and electricity and further requested for lying of cement roads and construction of drains in nearby villages.	General Manager informed that in SHAPE-I, II & III Programme majority of the funds were utilized for Kasipet and Muthyampalli and other nearby villages and informed that allocation of the funds are made by the Hon'ble MLA and not made by the SCCL. He assured that he would take up the matter with the concerned for allocating SHAPE funds for the development of nearby villages of the mine.	Some of the SHAPE funds also provided to the project affected villages of the mine.
6	Requested for construction of drains and septic tanks at various places and maintenance of sulabh complex in III Zone, MM Area by SCCL	He clarified that due to out-sourcing of sanitation work, sanitation has improved in Mandamarri Area. GM informed the construction of Sulabh complex may be undertaken but maintenance of the same should be done by the concerned Government Authority.	The issue is complied by Construction of Sulabh Complex in 3rd zone, Mandamarri.
7	Requested to extend the vocational training facility in Tailoring and Dress making, Motor Vehicle Driving etc., to the unemployed youth of nearby villages.	It was informed that training Programmes are being undertaken for the unemployed youth by Singareni Sewa Samithi (SSS).	This is being provided regularly under Singareni Sewa Samithi activities, Mandamarri area.



PLANTATION PLAN

Annexure-I



WILDLIFE CONSERVATION PLAN

Annexure-II

File No.PCCF-WL1/WL14/9/2022-WILD LIFE SECTION

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

Ref:-PCCF Office of the Prl. Chief Conservator of Forests(Head
-WL1/WL14/9-2022 of Forest Force)
Dated:- 05/02/2023 Aranya Bhavan,Saifabad, Hyderabad

Sri. R.M.Dobriyal, I.F.S.,

**Prl.Chief Conservator of Forests (HOFF)
Chief Wildlife Warden(FAC)**

Sub: TSFD- WL - TOR /Environmental clearance, approval of Wildlife Mitigation Plan for Scheduled-I species for existing & proposed expansion mines in Mandamarri Area in Mancherial District of Mancherial forest division - Wildlife Conservation & Mitigation Plan - Approved and Communicated- Reg.

Ref: CCF FDPT KTR Mancherial Rc.no. 7516/2022-D2 dated 22.12.2022

-o0o-

In the reference cited, the CCF/ FDPT KTR Mancherial has submitted a revised Wildlife Conservation & Mitigation Plan for Mandamarri group of mines i.e Kalyanikhani OCP ,Ravindra Khani OCP, Kasipet-1 Incline, Kasipet - 2 Incline, Kalyankhani-1 Incline, Kalyankhani-5 Incline Mine ,Ravinia Khani - 1A Incline & Shantikhani Longwall Underground Mine duly revising the TOR/ Environmental clearance approval for existing & proposed expansion mines in Mandamarri Area in Mancherial District of Mancherial Forest division for an amount of Rs 554.70 lakhs.

The Wildlife Conservation & Mitigation Plan submitted by FD, KTR is approved for an amount of Rs 554.70 lakhs and is enclosed herewith for further necessary action. The amount of Rs.554.70 lakhs for implementing the wildlife mitigation plan is to be deposited into the BIOSOT account of the Chief Wildlife Warden bearing account no. No.110310100030284, IFSC Code UBIN0811033 in Union Bank of India, Secretariat Bank. A copy of the transaction of the deposit shall to be sent to this office.

CRP/ENV	
I.W. No:	362
Date	20/2/2023

Post KTR

File No.PCCF-WL1/WL14/9/2022-WILD LIFE SECTION

Encl:- As above

Rakesh Mohan Dobriyal

Signed by Rakesh Mohan
Dobriyal
Date: 05-02-2023 19:35:08
Reason: Approved

Pri. Chief Conservator of Forests
(HOFF) & CWW(FAC)

To

The CCF /FDPT KTR Mancheril

Copy to the DFO Mancheril for information and necessary action.

✓ Copy to the General Manager Environment SCCL Kothagudem for information and necessary action.

Copy to PCCF (FCA) O/o PCCF (HOFF) TS Hyderabad for information and necessary action.

True Copy

For Pri. Chief Conservator of Forests

Ground water Quality

Groundwater Sampling Locations

Sl. No.	Sample code	Date of sampling	Sampling Location	Latitude	Longitude
1	GW-1	24.06.2025	Sarangapalli	N 18°56'42.5"	E 79°30'38.7"
2	GW-4	24.06.2025	Sandronpalli	N 18°57'55.6"	E 79°29'55.6"

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-1 Sarangapalli	GW-4 Sandronpalli
1.	Colour	Hazen	2120. B	5	15	<5	<5
2.	Odour	TON	2150. B	Agreeable	Agreeable	Agree.	Agree.
3.	pH	-	4500-H ⁺ B	6.5 to 8.5	No relaxation	7.3	7.6
4.	Taste	FTN	2160. B	Agreeable	Agreeable	Agree.	Agree.
5.	Turbidity	NTU	2130. B	1	5	0.28	0.44
6.	Total Dissolved Solids at 180° C	mg/l	2540.C	500	2000	732	475

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-1 Sarangapalli	GW-4 Sandronpalli
1.	Calcium as Ca	mg/l	3500-Ca.B	75	200	76	52
2.	Magnesium as Mg	mg/l	3500-Mg.B	30	100	67	45
3.	Chlorides as Cl-	mg/l	4500-Cl-.B	250	1000	122	70
4.	Sulphates as SO42-	mg/l	4500-SO42- .E	200	400	76	43
5.	Fluoride as F-	mg/l	4500-F-.C	1.0	1.5	0.91	0.86
6.	Nitrates as NO3	mg/l	4500-NO3-.B	45	No relaxation	42	10
7.	Total Alkalinity as CaCO3	mg/l	2320. B	200	600	430	332
8.	Total Hardness as CaCO3	mg/l	2340. C	200	600	466	310
9.	Sulphide as H ₂ S	mg/l	4500-S2-F&D	0.05	No relaxation	BDL	BDL
10.	Total Ammonia-N	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BDL	BDL
11.	Phenolic compounds as C6H5OH	mg/l	5530-D	0.001	0.002	BDL	BDL
12.	Residual free chlorine	mg/l	4500-Cl-.B	0.2	1.0	BDL	BDL
13.	Mineral oil	mg/l	IS:3025 (part 39)	1.0	No relaxation	absent	absent
14.	Anionic Detergents (as MBAS)	mg/l	IS:13428:2005K	0.2	1.0	<0.2	<0.2
15.	Aluminium as Al	mg/l	3120-B	0.03	0.2	BDL	0.06
16.	Barium as Ba	mg/l	3120. B	0.7	No relaxation	0.14	0.15
17.	Boron as B	mg/l	3120-B	0.5	2.4	0.08	0.09
18.	Iron as Fe	mg/l	3120-B	1.0	No relaxation	0.38	0.39
19.	Zinc as Zn	mg/l	3120-B	5	15	0.09	0.12
20.	Copper as Cu	mg/l	3120-B	0.05	1.5	BDL	BDL
21.	Manganese as Mn	mg/l	3120-B	0.1	0.3	BDL	BDL
22.	Selenium as Se	mg/l	3120-B	0.01	No relaxation	BDL	BDL
23.	Silver as Ag	mg/l	3120. B	0.1	No relaxation	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-1 Sarangapalli	GW-4 Sandronpalli
1.	Cadmium as Cd	mg/l	3120-B	0.003	No relaxation	BDL	BDL
2.	Cyanide as CN-	mg/l	4500-CN.F	0.05	No relaxation	BDL	BDL
3.	Lead as Pb	mg/l	3120-B	0.01	No relaxation	BDL	BDL
4.	Molybdenum as Mo	mg/l	3120. B	0.07	No relaxation	BDL	BDL
5.	Nickel as Ni	mg/l	3120-B	0.02	No relaxation	BDL	BDL
6.	Total Arsenic as As	mg/l	3120-B	0.01	0.05	BDL	BDL
7.	Total Chromium as Cr	mg/l	3120-B	0.05	No relaxation	BDL	BDL
8.	Mercury as Hg	µg/l	3500-Hg.B	0.001	No relaxation	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
	2,4-D, Carboryl (Carbonate) Malathion Methyl Parathion Anilophos, Chloropyriphos	Qualitative analysis	6630. D	Absent	0.001	ND	ND
10.	Polyaromatic Hydrocarbons (PAH's) :Acenaphthene, 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	µg/l	6440.C	-	-	ND	ND

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-1 Sarangapalli	GW-4 Sandronpalli
1.	Total Coliforms	MPN/100 ml	9221 B	-	-	<1.8	<1.8
2.	Fecal Coliforms	MPN/100 ml	9221 E	-	-	<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 SO₄⁻², 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.

Ground water Levels

ATTITUDE OF PHREATIC SURFACE IN GODAVARI VALLEY COAL FIELD

Mandamarri Area

Well No.	Name of village	Location	Type of well	Dimensions (m)	Total depth (m)	Geology	Measuring point (m)	Period	year					Nearest mine & dist. (km)
									2021	2022	2023	2024	2025	
1	Mandamarri	Bus stand	Domestic	1.3	6.6	Talchir Fm.	0.80	Winter	5.31	9.56	4.18	4.96	5.00	KK-5&5A inc. 1.7
								Pre-monsoon	6.30	5.92	5.35	5.10	5.15	
								Monsoon	2.30	2.14	2.83	2.05	2.57	
								Post-monsoon	5.52	3.88	3.74	3.60		
2	Sandronipalli	Hanuman Temple	Domestic	3.0	8.5	Barren Measures Fm.	0.5	Winter	7.58	6.83	6.76	7.70	7.28	KK-5&5A inc. 1.3
								Pre-monsoon	7.58	7.35	8.00	8.59	8.57	
								Monsoon	6.12	5.50	6.90	5.62	6.69	
								Post-monsoon	6.78	5.91	7.61	6.65		
3	Sandronipalli	Mango garden towards Adilpet	Agriculture	6.0	6.0	Barren Measures Fm.	0.50	Winter	2.78	3.65	3.76	3.91	AB	KK-5&5A inc. 1.3
								Pre-monsoon	5.07	5.21	4.32	5.55	AB	
								Monsoon	2.06	1.91	1.80	NA	AB	
								Post-monsoon	3.00	2.47	2.51	AB		
5	Mandamarri	Palachettu area, Zone III	Domestic	1.0	4.6	Barakar Fm.	0.30	Winter	3.53	3.88	3.72	2.91	3.86	KK-5&5A inc. 1.3
								Pre-monsoon	3.53	4.41	4.35	3.20	4.40	
								Monsoon	1.65	1.20	1.34	1.27	1.62	
								Post-monsoon	2.89	2.24	2.31	2.95		

KK-5 Incline HYMR Report from April-2025 to September-2025

Well No.	Name of village	Location	Type of well	Dimensions (m)	Total depth (m)	Geology	Measuring point (m)	Period	year					Nearest mine & dist. (km)
									2021	2022	2023	2024	2025	
7	Rama krishnapur	B zone X-Road	Domestic	1.0	6.0	Talchir Fm.	0.60	Winter	4.63	2.50	2.41	2.82	2.62	RK-3 0.8
								Pre-monsoon	4.63	3.90	3.18	3.25	2.70	
								Monsoon	1.78	1.41	2.67	1.35	1.57	
								Post-monsoon	1.78	1.98	3.08	2.20		
8	Ketanpalli	Near Rly Gate towards RKP	Domestic	3.0	9.3	Sullavai Fm.	0.20	Winter	8.52	5.03	5.23	6.27	AB	RK-1A 2.5
								Pre-monsoon	8.52	7.90	7.87	8.15	AB	
								Monsoon	2.50	2.00	2.64	WD	AB	
								Post-monsoon	4.80	3.54	3.63	AB		
10	Adilpet	Centre of the village	Domestic	3.0	11.0/12.0	Kamthi Fm.	0.50	Winter	7.67	5.53	5.47	5.50	6.15	KK-5 & MK-4 inc. 6.5
								Pre-monsoon	10.57	10.43	5.50*	5.65	6.80	
								Monsoon	4.45	2.10	2.22	1.77	2.57	
								Post-monsoon	5.26	5.03	5.07	2.90		
11	Mamidigattu	Village road junction	Domestic	2.8	9/7.7	Kamthi Sst	G.L	Winter	6.68	6.33	5.80	6.24	6.34	MK-4 9.3
								Pre-monsoon	7.10	7.15	6.60*	6.50	6.55	
								Monsoon	6.23	2.55	4.96	3.40	4.40	
								Post-monsoon	6.28	4.48	5.73	4.65		
12	Avudam	In the village	Domestic	3.0	7.5	Kamthi Fm.	G.L	Winter	6.81	5.26	5.38	5.83	5.38	KK-5&5A inc. 11.8
								Pre-monsoon	6.87	7.24	5.47	6.00	7.40	
								Monsoon	2.10	1.15	2.23	2.00	3.63	
								Post-monsoon	4.92	3.98	3.72	4.55		
13	Avudam	Road side towards village	Agriculture	4.5	6.0	Kamthi Fm.	G.L	Winter	6.68	3.26	3.55	4.33	AB	KK-5&5A inc. 11.00
								Pre-monsoon	7.07	5.98	5.07	5.50	AB	
								Monsoon	1.80	1.15	2.08	0.80	AB	
								Post-monsoon	3.11	2.92	2.71	AB		

KK-5 Incline HYMR Report from April-2025 to September-2025

Well No.	Name of village	Location	Type of well	Dimensions (m)	Total depth (m)	Geology	Measuring point (m)	Period	year					Nearest mine & dist. (km)
									2021	2022	2023	2024	2025	
14	Sarangapalli	Main road	Domestic	1.3	1 0.0	Barren Measures Fm.	0.50	Winter	1.51	1.94	2.08	1.97	1.77	RK 1A INC
								Pre-monsoon	4.46	3.97	2.60	2.60	4.95	1.80
								Monsoon	1.10	1.13	1.23	1.34	1.11	
								Post-monsoon	1.89	1.73	1.80	1.25		


Note: * indicates new well started adjacent to the previous existing well

NA : Not approachable

NR : Not Recorded

GROUND WATER CLERANCE ORDER COPY

Annexure-V



**GOVERNMENT OF TELANGANA
GROUND WATER DEPARTMENT**

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

Project Name:		Kalyani Khani -5 (KK-5) Under Ground Coal Mine of SCCL	
Project Address:		Mandamarri (V&M), Mancherial District.	
Village:	Mandamarri	Mandal:	Mandamarri
District:	Mancherial		
Pin Code:	504 251		
Communication Address:		Kalyani Khani -5 (KK-5) Underground Coal Mine of SCCL, Mandamarri (V&M), Mancherial District- 504 251	

1. NOC No.:	TSGWD/MNCL/WALTA/NOC/MINE/0053						
2. Application No.:	03	3. Category: (GWRA 2022)	Safe				
4. Project Status:	Existing	5. NOC Type:	Renewal				
6. Valid from:	18/01/2024	7. Valid up to:	17/01/2026				
8. Ground Water Abstraction Permitted: 2720 KLD							
Fresh Water		Saline Water		Dewatering		Total	
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year
-	-	-	-	1720	992800	2720	992800

9. Details of ground water Extraction /Dewatering structures													
Total Existing No. 5										Total Proposed/Recommended No. NA			
	DW	BW	TW	FP	Year of Drilling	Purpose of use	DW	DCB	BW	TW	FP	Purpose of use	
No. of Dewatering Structures*	-	5	-	-	-	-	-	-	-	-	-	-	
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
		60											

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	3	-	1	2

(Compliance Conditions given overleaf)



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

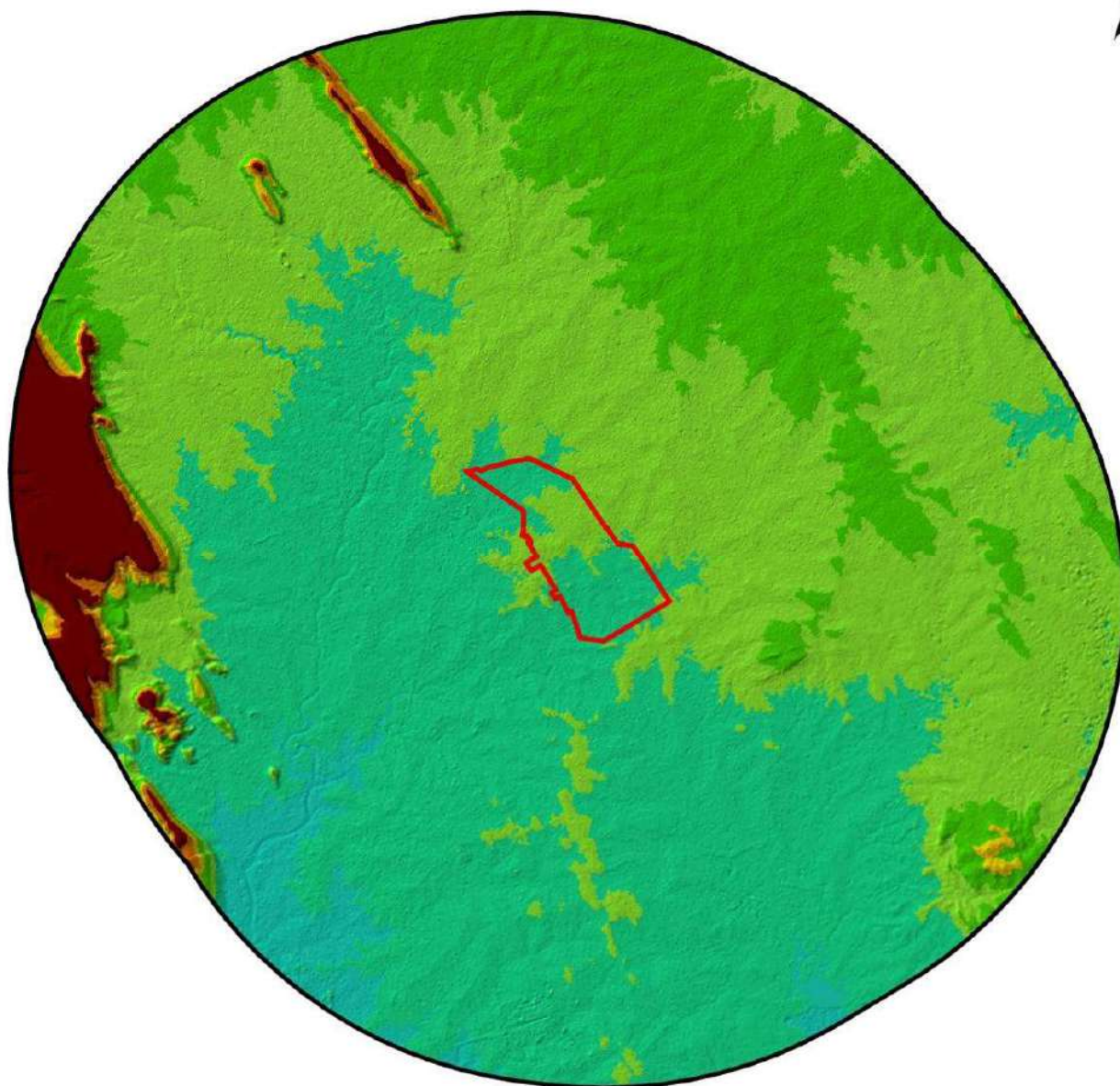
SAVE WATER - SAVE ENVIRONMENT

LAND USE & LAND COVER REPORT

Annexure-VI

**Report on Land Use Land Cover Study of Core & Buffer Zone of Kalyan Khani-5 Incline
Underground Coal Mine Expansion Project**

**Project Location: Madamarri, Mancherial District, Telangana.
Year of Study: 2023**



AIR QUALITY MONITORING DATA

Annexure-VII

Air quality monitoring data

The summary of the Air quality monitoring from April-2025 to September-2025 as follows:

Air Monitoring Locations

Station Code	Name of the Stations	Latitude	Longitude
CORE ZONE			
CA2	KK-5 Incline Site Office	N 18° 58' 36.0"	E 79° 29' 49.7"
BUFFER ZONE			
BA1	Mandamarri Colony	N 18° 58' 56.7"	E 79° 29' 05.9"
BA2	Shankarpalli	N 18° 58' 32.9"	E 79° 31' 08.5"
BA3	Pedda Dubbapalli	N 19° 00' 04.7"	E 79° 31' 12.9"
BA4	Sarangapalli	N 18° 56' 40.6"	E 79° 30' 46.2"

Air quality monitoring data

The summary of the Air Quality monitoring Data from April-2025 to September-2025 as follows:

Ambient Air Quality at KK-5 Incline Site Office (CA2)

Area : Mandamarri Nature of Area : Core Zone
 Period of : April 2025 – Sampling : 24hrs period
 Monitoring : September 2025 Duration

S.No.	Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
Coal mine standards, GSR 742(E), Dated 25.09.2000		250	-	120	120
1	08.04.2025	157	55.2	13.8	16.9
2	23.04.2025	153	53.1	13	16.1
3	08.05.2025	159	55.3	13.9	17
4	22.05.2025	140	49.6	12.8	15.9
5	09.06.2025	144	55.5	13.2	16.3
6	21.06.2025	150	56.4	13.7	16.8
7	08.07.2025	145	55.9	13.3	16.2
8	23.07.2025	139	51.3	12.7	15.8
9	07.08.2025	147	55.0	13.2	16.5
10	23.08.2025	143	52.6	12.6	15.7
11	08.09.2025	146	54.5	12.9	16.0
12	22.09.2025	138	53.6	12.0	15.5
Min		138.0	49.6	12.0	15.5
Max		159.0	56.4	13.9	17.0
Average		147.0	53.9	13.1	16.2
98 Percentile		158.6	56.3	13.9	17.0

- No standard was specified for PM2.5 in core zone

Ambient Air Quality at Mandamarri Colony (BA1)

Area : Mandamarri **Nature of Area** : Buffer Zone
Period of Monitoring : April 2025 – September 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
NAAQ Standards, CPCB Dated : 18.11.2009		100	60	80	80
1	07.04.2025	64	30.2	11.7	14.8
2	22.04.2025	60	29.4	11.1	14.2
3	07.05.2025	65	30.9	11.9	14.9
4	21.05.2025	55	27.8	10.8	13.5
5	06.06.2025	58	28.8	11.2	14.1
6	20.06.2025	62	29.7	11.6	14.7
7	05.07.2025	57	28.6	11.0	14.3
8	22.07.2025	52	25.6	10.7	13.9
9	06.08.2025	56	28.8	11.5	14.6
10	22.08.2025	51	25.9	10.9	13.8
11	06.09.2025	54	27.3	11.3	14.4
12	20.09.2025	50	25.4	10.5	13.7
Min		50.0	25.4	10.5	13.5
Max		65.0	30.9	11.9	14.9
Average		57.0	28.2	11.2	14.2
98 Percentile		64.8	30.7	11.9	14.9

Ambient Air Quality at Shankarpalli (BA2)

Area : Mandamarri **Nature of Area** : Buffer Zone
Period of Monitoring : April 2025 – September 2025 **Sampling Duration** : 24hrs period

Sl. No.	Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
NAAQ Standards, CPCB Dated : 18.11.2009		100	60	80	80
1	07.04.2025	58	26.5	10.2	13
2	22.04.2025	55	25.6	9.8	12.5
3	07.05.2025	59	28.1	10.3	13.1
4	21.05.2025	51	26.8	9.6	12.4
5	06.06.2025	56	27.3	10.0	12.9
6	20.06.2025	60	28.6	10.5	13.4
7	05.07.2025	54	27.0	9.7	12.8
8	22.07.2025	49	24.0	9.2	12.0
9	06.08.2025	53	26.5	10.1	13.2
10	22.08.2025	50	25.6	9.5	12.7
11	06.09.2025	52	26.8	10.2	13.3
12	20.09.2025	48	24.2	9.9	12.5
Min		48.0	24.0	9.2	12.0
Max		60.0	28.6	10.5	13.4
Average		53.8	26.4	9.9	12.8
98 Percentile		59.8	28.5	10.5	13.4

Ambient Air Quality at Pedda Dubbapalli (BA3)

Area : Mandamarri **Nature of Area** : Buffer Zone
Period of Monitoring : April 2025 – September 2025 **Sampling Duration** : 24hrs period

Sl. No.	Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
NAAQ Standards, CPCB Dated : 18.11.2009		100	60	80	80
1	03.04.2025	54	25.6	8.5	11.6
2	17.04.2025	49	24	8.1	11
3	03.05.2025	53	25.3	8.8	11.7
4	17.05.2025	42	23.3	8.2	11.4
5	03.06.2025	45	22.4	8.7	11.9
6	17.06.2025	48	23.5	9.0	12.2
7	02.07.2025	44	22.9	8.6	11.5
8	17.07.2025	41	21.6	8.0	11.1
9	02.08.2025	46	23.8	8.9	11.8
10	19.08.2025	43	22.6	8.1	11.4
11	02.09.2025	47	23.1	8.7	11.9
12	17.09.2025	40	21.8	8.3	11.0
Min		40.0	21.6	8.0	11.0
Max		54.0	25.6	9.0	12.2
Average		46.0	23.3	8.5	11.5
98 Percentile		53.8	25.5	9.0	12.1

Ambient Air Quality at Sarangapalli (BA4)

Area : Mandamarri **Nature of Area** : Buffer Zone
Period of Monitoring : April 2025 – September 2025 **Sampling Duration** : 24hrs period

S.No.	Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
NAAQ Standards, CPCB Dated : 18.11.2009		100	60	80	80
1	07.04.2025	56	26	8.9	11.8
2	22.04.2025	51	25.3	8.2	11.3
3	07.05.2025	55	27	9	12
4	21.05.2025	47	23.5	8.3	11.5
5	06.06.2025	53	24.0	8.8	12.1
6	20.06.2025	57	27.8	9.2	12.7
7	05.07.2025	52	26.8	8.7	11.9
8	22.07.2025	46	23.1	8.1	11.0
9	06.08.2025	54	26.3	9.1	12.2
10	22.08.2025	48	23.8	8.6	11.7
11	06.09.2025	51	25.0	8.3	12.3
12	20.09.2025	49	24.0	8.9	11.8
Min		46.0	23.1	8.1	11.0
Max		57.0	27.8	9.2	12.7
Average		51.6	25.2	8.7	11.9
98 Percentile		56.8	27.6	9.2	12.6

Summary of Ambient Air Quality Data Monitoring

Location code	Name of the location	PM ₁₀ (mg/m ³)			PM _{2.5} (mg/m ³)			SO ₂ (mg/m ³)			NO ₂ (mg/m ³)		
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
CA2	KK-5 Incline Site Office	138.0	159.0	147.0	49.6	56.4	53.9	12.0	13.9	13.1	15.5	17.0	16.2

Location code	Name of the location	PM ₁₀ (µg/m ³)			PM _{2.5} (µg/m ³)			SO ₂ (µg/m ³)			NO ₂ (µg/m ³)		
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	Mandamarri colony	50.0	65.0	57.0	25.4	30.9	28.2	10.5	11.9	11.2	13.5	14.9	14.2
BA2	Shankarpalli	48.0	60.0	53.8	24.0	28.6	26.4	9.2	10.5	9.9	12.0	13.4	12.8
BA3	Pedda Dubbapalli	40.0	54.0	46.0	21.6	25.6	23.3	8.0	9.0	8.5	11.0	12.2	11.5
BA4	Sarangapalli	46.0	57.0	51.6	23.1	27.8	25.2	8.1	9.2	8.7	11.0	12.7	11.9

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

Annexure-VIII

Mine Discharge Water Quality Report

Effluents sampling locations

Sl.No.	Sample code	Name of the Location	Latitude	Longitude
1	EW6	KK-5 Mine Discharge	N 18° 58' 29.3"	E 79° 29' 39.0"

Characteristics of Effluents – KK 5 Mine Discharge (EW6)

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	12.04.2025	7.1	24	628	20	3.6	<1
2	28.04.2025	7.7	19	572	35	4.4	<1
3	14.05.2025	7.5	26	714	27	3.2	<1
4	28.05.2025	7.3	30	682	32	3.4	<1
5	12.06.2025	7.8	24	749	28	3.8	<1
6	30.06.2025	7.5	36	811	36	4.4	<1
7	14.07.2025	7.4	40	654	23	2.8	<1
8	29.07.2025	7.7	32	748	32	3.6	<1
9	13.08.2025	7.2	24	639	27	2.8	<1
10	28.08.2025	7.4	30	746	35	3.3	<1
11	13.09.2025	7.8	42	655	24	2.8	<1
12	30.09.2025	7.3	25	655	20	3.1	<1

Annexure-IX**AREA WORKSHOP EFFLUENTS QUALITY REPORT****Characteristics of Effluents – Area Workshop ETP Outlet (EW16)**

Sl. 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	12.04.2025	7.7	74	1284	44	11.4	2
2	28.04.2025	7.2	51	1165	55	11.2	2.4
3	14.05.2025	7.8	65	1271	47	10.2	2
4	28.05.2025	7.5	58	1044	40	8.2	2.2
5	12.06.2025	7.4	69	1195	52	10.4	2
6	30.06.2025	7.7	55	1082	48	11.6	2.2
7	14.07.2025	7.6	31	1246	59	13.4	2.6
8	29.07.2025	7.7	49	1196	64	15.2	2
9	13.08.2025	7.4	58	1268	55	12.2	2.4
10	28.08.2025	8.1	63	1172	47	9.6	2
11	13.09.2025	7.8	51	1019	52	12.4	1.8
12	30.09.2025	7.4	44	1019	60	14.5	2.2

Annexure-X

Noise quality monitoring data

Noise monitoring locations

S. No	Station code	Station Name	Latitude	Longitude
Core Zone				
1	CN4	KK-5 Pit Office	N 18° 58' 36.0"	E 79° 29' 49.7"
Buffer Zone				
2	BN3	Shankarpalli	N 18° 58' 32.9"	E 79° 31' 08.5"
3	BN4	Mandamarri Colony	N 18° 58' 56.7"	E 79° 29' 05.9"

Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		April-2025 1 st Fortnight			April-2025 2 nd Fortnight		
				Noise levels in dB (A)					
		Day time	Night Time	Date of Sampling	Leq Day	Leq Night	Date of Sampling	Leq Day	Leq Night
Core Zone									
CN4	KK-5 Pit Office	75	70	08.04.2025	59.8	49.7	23.04.2025	59.0	49.2
Buffer Zone									
BN3	Shankarpalli	55	45	03.04.2025	49.0	38.7	17.04.2025	48.4	38.0
BN4	Mandamarri Colony	55	45	04.04.2025	50.2	40.0	19.04.2025	49.7	39.5

Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		May-2025 1 st Fortnight			May-2025 2 nd Fortnight		
				Noise levels in dB (A)					
		Day time	Night time	Date of Sampling	Leq Day	Leq Night	Date of Sampling	Leq Day	Leq Night
Core Zone									
CN4	KK-5 Pit Office	75	70	08.05.2025	59.6	49.7	22.05.2025	58.7	48.5
Buffer Zone									
BN3	Shankarpalli	55	45	07.05.2025	48.9	38.9	21.05.2025	48.0	37.9
BN4	Mandamarri Colony	55	45	03.05.2025	50.1	40.6	17.05.2025	49.9	39.9

Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		June-2025 1 st Fortnight			June-2025 2 nd Fortnight		
				Noise levels in dB (A)					
		Day time	Night time	Date of Sampling	Leq Day	Leq Night	Date of Sampling	Leq Day	Leq Night
Core Zone									
CN4	KK-5 Pit Office	75	70	09.06.2025	59.2	48.9	21.06.2025	59.7	49.5
Buffer Zone									
BN3	Shankarpalli	55	45	06.06.2025	48.7	38.4	20.06.2025	49.1	38.8
BN4	Mandamarri Colony	55	45	03.06.2025	50.3	40.2	17.06.2025	50.8	40.7

Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		July-2025 1 st Fortnight			July-2025 2 nd Fortnight		
				Noise levels in dB (A)					
		Day time	Night Time	Date of Sampling	Leq Day	Leq Night	Date of Sampling	Leq Day	Leq Night
Core Zone									
CN4	KK-5 Pit Office	75	70	08.07.2025	59.3	49.0	23.07.2025	58.8	48.6
Buffer Zone									
BN3	Shankarpalli	55	45	02.07.2025	48.6	38.3	17.07.2025	48.1	37.8
BN4	Mandamarri Colony	55	45	02.07.2025	50.2	40.1	17.07.2025	49.8	39.8


Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		August-2025 1 st Fortnight			August-2025 2 nd Fortnight		
				Noise levels in dB (A)					
		Day time	Night time	Date of Sampling	Leq Day	Leq Night	Date of Sampling	Leq Day	Leq Night
Core Zone									
CN4	KK-5 Pit Office	75	70	07.08.2025	59.4	49.1	23.08.2025	58.8	48.7
Buffer Zone									
BN3	Shankarpalli	55	45	06.08.2025	48.8	38.2	22.08.2025	48.2	37.6
BN4	Mandamarri Colony	55	45	02.08.2025	50.5	40.3	19.08.2025	50.0	39.7

Summary of Noise Levels

Location Code	Monitoring stations	Standard limits of Noise		September-2025 1 st Fortnight			September-2025 2 nd Fortnight		
				Noise levels in dB (A)					
		Day time	Night time	Date of Sampling	Leq Day	Leq Night	Date of Sampling	Leq Day	Leq Night
Core Zone									
CN4	KK-5 Pit Office	75	70	08.09.2025	59.2	49.4	22.09.2025	58.6	48.5
Buffer Zone									
BN3	Shankarpalli	55	45	06.09.2025	48.4	38.2	20.09.2025	37.7	37.7
BN4	Mandamarri Colony	55	45	06.09.2025	48.7	38.0	17.09.2025	39.5	39.5

CONSENT FOR ESTABLISHMENT ORDER COPY



REGIONAL POLLUTION CONTROL BOARD
 REGIONAL OFFICE, NIZAMABAD, DISTRICT NIZAMABAD
 NIZAMABAD, TELANGANA-509008

REGD. POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No. 40/PCB/CFE/RO-NZE/HO/2009 - 1072 Dt. 29.07.2009

Sub: PCB - CFE - M/s. Singareni Collieries Co. Ltd., Kalyan Khani -5 (KK-5), Sarangapalli (V), Mandamarri (M), & Indaram RF, Mancherla Division, Adilabad district - Consent for Establishment (Expansion) of the Board under Sec 25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air(P&C of P) Act, 1981 - issued - Reg.

Ref:

- 1) Public hearing conducted on 13.02.2009 at Sarangapalli, V, Mancherla, M, Adilabad District
- 2) Environmental Clearance dt. 27.10.2008 issued by MOESF, GOI
- 3) Industry's application dt. 03.03.2008& addl. Information received on 27.4.2009
- 4) R.O's inspection report dt. 30.04.2009
- 5) CFE Committee meeting held on 11.06.2009.

In the reference cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for expansion of Kalyan Khani -5 (KK-5) incline underground coal mine to produce the following products with installed capacities as mentioned below, with a project cost of Rs. 21.37 Crores:

Sl. No.	Product	Existing	Proposed	After Expansion
1	Waste water	205 TD	-	155 TD
2	Coal mines	0.300 million TPA	0.14 million TPA	0.5 million TPA (peak production)

2. As per the application, the above expansion activity is to be taken up in the existing mine lease area located at Kalyan Khani -5 (KK-5), Sarangapalli (V), Mandamarri (M) and Indaram RF, Mancherla Division, Adilabad district.

3. The above site was inspected by the Asst. Environmental Engineer, Regional office, Air-Pollution Control Board, Nizamabad on 24.4.2009 and found that the site is surrounded by:

North - Open lands
 South - Open lands
 East - Open lands
 West - Open lands

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT (Expansion) to your activity Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to the activity as mentioned at para (1) only.

CONSENT FOR OPERATION ORDER COPY



**TELANGANA POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018**

Phone: 23887500
Fax: 040 - 23815831
Website: tspcb.cgg.gov.in

**CONSENT ORDER (RENEWAL)
RED CATEGORY**

Consent Order No : 240525266137

Date : 23.08.2024

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, (hereinafter referred to as 'the Acts', 'the Rules' and the rules and orders made there under to M/s. Singareni Collieries Co. Ltd., KK-5 Incline Mine, Mandamarri Area, Mandamarri (V & M), Mancherla District (hereinafter referred to as 'the Applicant /Industry') and the mine is authorized to operate the industrial plant to discharge the Effluents from the outlets, as detailed below,

i) Out lets for discharge of Effluents :

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1	Mine discharge water after treatment	364	After treatment for dust suppression and agricultural use / gardening.
2	Domestic wastewater	350	Shall be treated in the STP followed by on-land use / gardening.
	Total	714 KLD	

This consent order is valid for Mining of Coal in Mine lease area of 755.10 ha for the following capacity:

S. No.	Line of activity	Capacity
1	Coal (underground mining)	0.50 Million Tons Per Annum (MTPA)

This order is subject to the provisions of 'the Acts' and the Rules' and amendments made thereunder and further subject to the terms and conditions incorporated in the schedule A and B enclosed to this order.

This order of Consents is valid for a period upto 30th September, 2029.

Sd/-
MEMBER SECRETARY

To
M/s. Singareni Collieries Co. Ltd.,
KK-5 Incline Mine, Mandamarri Area,
Mandamarri (V & M), Mancherla District

///T.C.F.B.O///
M. Prasad 23/8/2024
SENIOR ENVIRONMENTAL ENGINEER
(CFO - UNIT-II)

PUBLIC LIABILITY INSURANCE ORDER COPY

पॉलिसी अनुसूची/ Policy Schedule-Public Liability Insurance Act			
पॉलिसी संख्या / Policy Number: 55020049251000035		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,Dwarakapur Colony,Punjabgutta, - 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: 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: *****3F
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: *****11		फोन/ Phone: *****11 ई-मेल/ E-Mail: *****rp@scclmines.com	
पॉलिसी प्रभावी समय घंटे को Policy Effective from 00:00 hours, on 30/04/2025 की मध्य रात्रि तक प्रभावी/ to midnight of 29/04/2026 .			
प्रीमियम / Premium	₹ 48,981.88	कवर नोट संख्या तथा तिथि/ Cover Note Number and Date	NA
सीजीएसटी/ CGST	₹ 4,408.00	प्रस्ताव संख्या और तिथि / Proposal Number and Date	8800240506182484 दिनांक/ Dt. 03/03/2025
एसजीएसटी/यूटीजीएसटी SGST/UTGST	₹ 4,408.00		
आईजीएसटी/ GST	₹ 0.00		
कम:जीएसटी टैक्स / Less:GST TDS	₹ 0.00	रसीद संख्या और तिथि/ Receipt Number and Date	550200812510000273 दिनांक/ Dt. 29/04/2025
वसूली योग्य स्टाम्प शुल्क / Recoverable Stamp Duty	₹ 0.00	पिछली पॉलिसी संख्या तथा समाप्ति तिथि/ Previous Policy Number and Expiry Date	550200492410000034 and Dt. 29/04/2025
कुल राशि/ Total Amount*	₹ 1,06,781.00	(रुपय / Rupees One Lakh Six Thousand Seven Hundred Eighty One केवल/Only.)	
* पर्यावरण राहत कोष /* Environment Relief Fund: ₹48,982.12			
Insurance Details:			
Policy Effective from 00:00 hours, on 30/04/2025 to midnight of 29/04/2026			
PLI act Premium	3,63,356.20		
Service tax	0.00		
Recoverable stamp duty	0.00		
ERF premium	3,63,356.20		
Total amount	7,26,712.40		
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: 55020049251000035	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: 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:	3,54,25,20,00,000.00

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 :40762 ESTIMATED ANNUAL TURNOVER PROPOSED : RS.35425.20 CRORES PREVIOUS YEAR TURNOVER : RS.31800.73 CRORES AOA: 5 CRORES AOY : 15 CRORES (1:3)	

जिसकी गवाही में **02/May/2025** 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 शर्तों, जो कंपनी वेबसाइट <https://nationalinsurance.nic.co.in> पर उपलब्ध है, को एक अनुबंध के रूप में एक साथ पढ़ा जाए तथा कोई भी शर्त या अभिव्यक्ति जिसके लिए यह विशिष्ट अर्थ पॉलिसी या अनुसूची के किसी भी हिस्से में संलग्न किया गया हो, एक ही अर्थ बहन करेगा चाहे जहाँ भी उल्लिखित हों। 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 02/May/2025.** 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'**

इंश्योरेंसईंडियालिमिटेड ओम्बुड्समैन का विवरण/Ombudsman Details: Office of the Insurance Ombudsman,6-2-46, 1st floor, Moin Court, Lane Opp. Hyundai Showroom, A. C. Guards, Lakdi-Ka-Pool, Hyderabad - 500 004.
 Tel.: 040 - 23312122 / 23376991/ 23376599 / 23328709/23325325
 Email: bimalokpal.hyderabad @ciains.co.in.

स्टॉप ड्यूटी
**Stamp
 Duty:
 (₹ 0.25)**

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

KK-5 Incline HYMR Report from April-2025 to September-2025

टैक्स इनवॉयस/TAX INVOICE

इनवॉयस क्र.सं./Invoice Serial No: 30602L5PE0000035

इनवॉयस ति. तिथि/Invoice Date: 02/05/2025

आपूर्तिकर्ता का विवरण/Details of Supplier:

नेशनल इन्श्योरेंस 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
जीएसटीआयन 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
जीएसटीआयन नंबर/GSTIN No : 36AAACT8873F1Z1
मूलांकन नं./UIN No : NA

सैक कोड/SAC Code	सेवा का विवरण/Description of Service	कुल/Total(₹)	छूट/Disco unit	टैक्स योग्य/मूल्य/Taxable Value(₹)	सीजीएसटी की दर/CGST		एसजीएसटी/यूटीजीएसटी/SGST/UTGST		आईजीएसटी/IGST		Kerala Flood Cess
					दर/Rate	राशि/Amount(₹)	दर/Rate	राशि/Amount(₹)	दर/Rate	राशि/Amount(₹)	
997139	Other non-life insurance services (excluding reinsurance services)	48,982	0%	48,982	9%	4,408	9%	4,408	0%	0	0
TOTAL		48,982		48,982		4,408		4,408		0	0

कुल इनवॉयस मूल्य (अंकों में)Total Invoice Value (In figures) : ₹ 1,06,781

कुल इनवॉयस मूल्य (शब्दों में)Total Invoice Value (In words) : रूपए/Rupees One Lakh Six Thousand Seven Hundred Eighty One केवल/Only.

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

E. & O.E

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

अधिकृत हस्ताक्षरकर्ता/ Authorized Signatory



Surface water quality monitoring data
Surface Water Sampling Locations

Sl. No.	Sample code	Date of sampling	Sampling Location	Latitude	Longitude
1	SW-3	24.06.2025	Pala Vagu U/S	N 18°58'01.8"	E 79°29'44.8"
2	SW-4	24.06.2025	Pala Vagu D/S	N 18°56'17.3"	E 79°27'04.2"

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

Sl. No	Parameters	Unit	Test Method	CPCB Water Quality Criteria					RESULT	
				Class A	Class B	Class C	Class D	Class E	SW-3 Pala Vagu U/S	SW-4 Pala Vagu D/S
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	7.8	7.9
2	Electrical Conductivity	µmhos/cm	2510-B	-	-	-	-	2250 µmhos/cm	710	740
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	-	5.1	5.3
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	-	-	2.8	2.6
5	Total Coliforms	MPN/100ml	9221 B	50 or less	500 or less	5000 or less	-	-	220	240
6	Free Ammonia (as N)	mg/l	4500-NH ₃ -F	-	-	-	1.2 mg/l or less	-	BDL	BDL
7	Boron as B	mg/l	3120-B	-	-	-	-	Less than 2 mg/l	0.12	0.08
8	SAR	-	-	-	-	-	-	Less than 26	1.59	1.68

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

S. No	Parameters	Unit	Test Method	SW-3 Pala Vagu U/S	SW-4 Pala Vagu D/S
1	Colour	Hazen	2120. B	10	5
2	Odour	TON	2150. B	No odour observed	No odour observed
3	Temperature	°C	2550. B	25.9	25.9
4	Turbidity	NTU	2130. B	1.26	1.29
5	Total Dissolved Solids at 180° C	mg/l	2540.C	425	440
6	Total Suspended Solids at 105° C	mg/l	2540. D	14	16
7	Chemical Oxygen Demand	mg/l	5220. B	24	24
8	Calcium as Ca	mg/l	3500-Ca.B	56	46
9	Magnesium as Mg	mg/l	3500-Mg.B	21	27
10	Sodium as Na	mg/l	3500-Na.B	55	58
11	Potassium as K	mg/l	3500-K.B	4.3	10.6
12	Chlorides as Cl ⁻	mg/l	4500-Cl ⁻ .B	62	65
13	Sulphates as SO ₄ ²⁻	mg/l	4500-SO ₄ ²⁻ .E	97	101
14	Fluoride as F ⁻	mg/l	4500-F ⁻ .C	0.45	0.69
15	Nitrates as NO ₃	mg/l	4500-NO ₃ ⁻ .B	4	4
16	Nitrites as NO ₂	mg/l	4500-NO ₂ ⁻ .B	BDL	BDL
17	Total Phosphates	mg/l	4500-P-D	BDL	BDL
18	Ammonical Nitrogen as NH ₃ -N	mg/l	4500-NH ₃ -C	BDL	BDL
19	Phenolic compounds as C ₆ H ₅ OH	mg/l	5530-D	BDL	BDL

KK-5 Incline HYMR Report from April-2025 to September-2025

S. No	Parameters	Unit	Test Method	SW-3 Pala Vagu U/S	SW-4 Pala Vagu D/S
20	Oil & Grease	mg/l	5520. B	<1	<1
21	Carbonates as CO ₃	mg/l	2320. B	Nil	Nil
22	Bi-carbonates as HCO ₃	mg/l	2320. B	195	202
23	Fecal Coliforms	MPN/100ml	9221 E	23	22
24	Zinc as Zn	mg/l	3120. B	0.08	0.12
25	Iron as Fe	mg/l	3120. B	0.25	0.28
26	Arsenic as As	mg/l	3120. B	BDL	BDL
27	Lead as Pb	mg/l	3120. B	BDL	BDL
28	Cadmium as Cd	mg/l	3120. B	BDL	BDL
29	Total Chromium as Cr	mg/l	3120. B	BDL	BDL
30	Nickel as Ni	mg/l	3120. B	BDL	BDL
31	Copper as Cu	mg/l	3120-B	BDL	BDL
32	Selenium as Se	mg/l	3120-B	BDL	BDL