



**The Singareni Collieries Company Limited
(A Govt. Company)
RAMAGUNDAM AREA-I**

TEL: 08728-244112

REF: RGM/ENV/9A/693

Date: 21.11.2024

To
The Regional Officer,
Suboffice
Ministry of Environment, Forest and Climate change (MoEF&CC), GOI
Aranya Bhavan, 3rd Floor, Saifabad,
Hyderabad-500004
Telangana State.

Dear Sir,

Sub: Submission of Half Yearly Environmental Monitoring Report of GDK-11A
Incline of M/s S.C.Co.Ltd., for the period April 2024 to September 2024- Reg.
Ref: Lr.No. J-11015/ 38/ 89/ IA -II, dt. 10-08-1990.

With reference to the subject cited above, please find herewith the half yearly environmental monitoring report along with soft copy for the period April 2024 to September 2024 in respect of GDK 11A Incline of Singareni Collieries Company Ltd.

The report consists of Part-I, which indicates the status of the implementation of Environmental Clearance conditions, and Part-II indicates various environmental control measures, annexure and analysis data being taken.

Thanking you,

Yours faithfully,


General Manager
Ramagundam Area -I

Cc: Environmental Engineer,
T.S.Pollution Control Board,
Near ZP High School,
NTPC Temporary Township
Jyothinagar - 505215.
Peddapalli Dist, TS.



THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)
RAMAGUNDAM-1 AREA

PART-1

HYMR of GDK 11A INCLINE FOR THE PERIOD April 2024 to September 2024

A. SALIENT FEATURES OF THE PROJECT:

1	Name of the Project	:	GDK-11A Incline
2	Organization	:	SINGARENI COLLIERIES COMPANY LIMITED
3	Coalfield	:	Godavari Valley Coal Field
4	Type of Mine	:	Under Ground
5	Technology	:	Mechanization
6	Environmental Clearance	:	
	A Letter No & date	:	J-11015/ 38/ 89/ IA –II, dated. 10-08-1990.
	B Sanction capacity	:	Normative: 1.75 MTPA
	C Mine take area	:	197.00 ha
	D Date of Public Hearing	:	NA
7	Location of the Project	:	
	A Village	:	Jallaram
	B Tehasil	:	Kamanpur
	C District	:	Peddapalli
	D State	:	Telangana State ,
	E Latitude	:	N18° 41' 41.25" and 18° 44' 20.99"
	F Longitude	:	E79° 32' 30.84" and 79° 35' 7.71"
	G Topo Sheet	:	56N/5 , 56N/6 , 56 N/9 & 56 N/10
	H Nearest railway station	:	Ramagundam
	I Nearest Airport	:	Hyderabad
	J Nearest town	:	Godavarikhani
8	Address for Correspondence	:	
	A Name	:	Ch.Srinivas
	B Designation	:	Agent
	C Address	:	GDK11Incline
	D Pin Code	:	505184
	F E-mail ID	:	agt_gdk6b_rg1@scclmines.com
	G Telephone No.	:	08728 244292
	H Fax No.	:	08728-244104
9	Life of the Project	:	
	A Date of Opening	:	15-02-1979
	B Total Life of the project as per EMP	:	32 year As on 01.04.2023.
10	Seams	:	
	A Total Seams Present	:	4(I, II, III & IV Seams)
	B Seams being worked	:	1 Seam, 3 Seam
11	Depth	:	
	A Minimum Depth (m)	:	34m
	B Maximum Depth (m)	:	341m
	C Present working depth (m)	:	284m
12	Reserves	:	
	A Total Geological Reserves	:	161.61MT
	B Total Extractable Reserves	:	52.973 MT
	C Reserves already Extracted	:	20.745 MT
	D Balance Reserves	:	32.228 MT
	E Coal production during last six months in Lakh Tonnes	:	1 Seam: 1.73 LT 2 Seam: NIL 3 Seam: 1.13LT 4 Seam: NIL Total : 2.86 LT

13	Land Requirement	
	A	Total Requirement (Mine Take Area) 901.125 Ha
	B	Forestland Involved NIL
	C	Non-forestland 901.125 Ha
	D	Land acquired so far (Surface rights) 765.907 Ha
14	Statutory Clearances	:
	A	Ground Water Clearance Memo No:13050/HgII(I)/06, Dated:30.08.07
	B	Consent for Operation : Consent Order No .220523575162 Date:26.05.2022 Valid up to 31.03.2027.
	C	Forest Clearance : No Forest Land involved
	D	Mining Lease : South Godavari Valid up to 31.12.2034

B. COMPLIANCE STATUS OF EC CONDITIONS AS ON 30.09.2024

A: SPECIFIC CONDITIONS:

Sl. No.	Condition	Compliance Status
(i)	This clearance is valid for mining the coal seam up to a depth of 150m covering an area of 197 ha only. Extension of mining operation below this depth shall be carried out only after obtaining fresh approval from the ministry.	<p>Being Complied</p> <p>EC exist for GDK -11A incline in the project area of 197 ha up to a depth of 150 m vide Lr. No. J-11015/38/ 89/ IA –II, dated. 10-08-1990.</p> <p>However to work beyond 150m depth, EC was obtained under the name of Ramagundam Shaft Block-I,vide.Lr.No.J-11015/45/89-IA-II(M), dtd.25-11-1992 up to a maximum depth of 470m.</p> <p>Later, during the year 2006, the Mining Plan was revised for Shaft Block-I with the change in reserves, technology & production and named as “Revised Mining Plan for part of Deep mining area of Ramagundam (GDK-11A &Peddampet UG shaft Project)” and obtained approval in 2006, MoC, GoI.</p> <p>GDK 11 A Incline and Peddampet UG Shaft Project are vertically below one another workings up to a maximum depth of 443m and planned to share by the same entries in project area of 725 ha.</p> <p>Accordingly, EC was obtained for Peddampet UG Shaft project vide Lr. No. J-11015/307/2006-IA-II (M), dtd.11.06.2007.</p>
(ii)	Actual subsidence during the mining operations shall be monitored and reported regularly to the ministry. In case of actual subsidence exceeds the anticipated subsidence, in addition to what has already been incorporated in the EMP shall be outlined and submitted to the ministry for approval	<p>Being Complied</p> <p>Subsidence is being monitored over panels of this project at different depths. The maximum subsidence observed so far is 1.54 m which is nearly matching with EMP of Peddampet Shaft. Continuous miner / along with LHD is being adopted for mining GDK-11A (I Seam,2Seam & 3Seam) and Peddampeta Shaft (II,III top,III bottom and IV seams) at Depth varying from 132 to 443mt. The maximum subsidence provided ranges are from 0.6 to 2.44m, as there are no significant structures on the surface, so there is no impact of subsidence on surface.</p>

Sl. No.	Condition	Compliance Status
(iii)	The management of subsidence area shall be carried as per the plan incorporated in the EMP.	<p>Being Complied</p> <p>The subsidence details and its management are furnished here under.</p> <p><u>Subsidence Management:</u></p> <p>(a) Total area extracted so far in 1 seam is 214.267 ha and 2 seam is 15.325 ha 3 Seam is 60.39 ha 4Seam is 90.30 ha</p> <p>(b) Maximum subsidence occurred so far: 1.686 Mts.</p> <p>(c) Total area affected by subsidence so far: 303.56 ha.</p> <p>(d) Stabilized subsidence area : 291.34 ha 2. 1.6 km length earthen bund is made so far around the subsidence area to prevent inflow of water from nearby nallah.</p> <p>3. Cracks developed in subsidence area in the earlier panel were filled up with soil and O.B.</p> <p>Subsidence area over Depillaring panels is blanketed with overburden material and planted, in the year 2014.</p>
(iv)	A note mentioning the time frame within which the diversion of road and the transmission line would be completed, shall be submitted to the ministry by 31 st October 1990.	<p>Complied</p> <p>Road from Godavarikhani to Manthani was diverted via Sundilla and also TS-TRANSCO transmission lines are diverted along the diverted road.</p>
(v)	All the other pollution control measures listed in the EMP should be strictly implemented as per the schedule	<p>Being Complied</p> <p>Pollution control measures listed in the EMP are being implemented as per the schedule</p>
(vi)	A periodic progress report regarding implementation of the control measures shall be submitted to this ministry every three months	<p>Being Complied</p> <p>The periodic progress report regarding implementation of the environmental control measures is being submitted for every six months.</p>
(vii)	The effluent quality will conform to the standards prescribed by the Central/ State Pollution Control Board under Environmental (Protection) Act 1986. Sufficient number of air and water quality monitoring stations	<p>Being Complied</p> <p>The mine effluent quality is being tested regularly and conforms to the standards prescribed by the Central/ State Pollution Control Board.</p> <p>Being Complied</p> <p>Seven Ambient Air Quality monitoring stations in and</p>

Sl. No.	Condition	Compliance Status																												
	shall be set up.	around the project and Eight Water quality monitoring stations were fixed in consultation with T.S. Pollution Control Board regional officer, Ramagundam. The ambient air Quality and the water Quality is within the prescribed limits.(Analysis data enclosed as Annexure–I &II)																												
(viii)	Regular monitoring of various environmental parameters would be carried out by the project authorities and the results of the monitoring would also be included in the quarterly progress report to be submitted to this Ministry.	<p>Being Complied</p> <p>Ambient Air quality, Water quality, noise levels, heavy metals in coal and ground water table levels are being monitored regularly and results of monitoring are being submitted to the State Pollution Control Board, Regional office and MoEF regional office Hyderabad.</p>																												
(ix)	The project will have an Environmental cell for monitoring quality of air, water, solid wastes, greening and other action plans for protection of environment.	<p>Being Complied</p> <p>The Environmental Management Cell has been constituted for the GDK 11A Incline project with the following officers:</p> <table border="1" data-bbox="790 925 1476 1312"> <thead> <tr> <th>S.No</th> <th>Name (S/Sri)</th> <th>Designation</th> <th>Committee</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Ch.Srinivas</td> <td>Agent</td> <td>Chairman</td> </tr> <tr> <td>02</td> <td>B.Mallesham</td> <td>Colliery Manager</td> <td>Convener</td> </tr> <tr> <td>03</td> <td>B.Ramadas</td> <td>Project Engineer</td> <td>Member</td> </tr> <tr> <td>04</td> <td>Sudhir Kumar Jha</td> <td>Safety Officer</td> <td>Member</td> </tr> <tr> <td>05</td> <td>Y.Hanumandlu</td> <td>Dy. Supdg. Survey Officer</td> <td>Member</td> </tr> <tr> <td>06</td> <td>SK. Waseem Akram</td> <td>Mine Env.Officer</td> <td>Member</td> </tr> </tbody> </table> <p>In addition to the above, area forest officer, area environmental officer, area survey officer and area civil officer also take part in decision making, monitoring and implementation of EMP at this project.</p>	S.No	Name (S/Sri)	Designation	Committee	01	Ch.Srinivas	Agent	Chairman	02	B.Mallesham	Colliery Manager	Convener	03	B.Ramadas	Project Engineer	Member	04	Sudhir Kumar Jha	Safety Officer	Member	05	Y.Hanumandlu	Dy. Supdg. Survey Officer	Member	06	SK. Waseem Akram	Mine Env.Officer	Member
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(x)	This ministry reserves the right to stipulate any other condition subsequently, if the need arises, in the interest of the Environmental protection.	<p>Agreed to Comply</p> <p>Any further condition stipulated for environmental protection measures, if any, will be complied.</p>																												
(xi)	The implementation of these conditions and safeguards will be ensured, among others under the Environment (Protection) Act, 1986.	<p>Being Complied</p> <p>The implementation of these conditions and safeguards are being ensured.</p>																												

Periodic progress report regarding environmental protection measures till **30.09.2024** is enclosed as **Part – II.**