

Part-II

A periodic progress report regarding environmental protection measures till 31.03.2024

1.Production Details					
Year	Coal production MT				
	EC	Prog.	Actual	Prog.	
2009-15	0.54	0.54	0.016	0.016	
2015-16	0.54	1.08	0.017	0.033	
2016-17	0.54	1.62	0.055	0.088	
2017-18	0.54	2.16	0.065	0.153	
2018-19	0.54	2.70	0.036	0.189	
2019-20	0.54	3.24	0.020	0.209	
2020-21	0.54	3.78	0.076	0.285	
2021-22	0.54	4.32	0.098	0.383	
2022-23	0.54	4.86	0.037	0.421	
2023-24	0.54	5.40	0.132	0.553	

2.Plantation details

1.	No of plants planted during last six months/ last year	Mine is under development stage Service buildings and other infrastructures are under construction Stage Mine take area covered with forest species
2.	Area covered in Ha	0 Ha
3.	Expenditure incurred in Rs.	Rs. 0
4.	Total area brought under plantation so far in Ha	Total forest area except service buildings and other structures -
5.	Total no of plants planted so far since inception	-
6.	Species of plants planted	-
7.	Seeds shown so far	-
8.	Small plants planted so far	-
9.	Total expenditure in Rs. lakhs -	-

3. Water Balance Statement

Sl.No	Description	Quantity in KLD
1.	Average quantity of water pumped out of the mine	740
2.	Water used for drinking/bathing and other than industrial requirement	20
3.	Water used for washing of HEMM/fire fighting	Nil
4.	Water used for plantation	Nil
5.	Water supplied for water spraying for Dust suppression	5
6.	Excess water let out	715
7.	Point of discharge (as per CFO)	Gorripeta vagu via settling at surface filter bed
8.	Discharge Consent from APPCB	Surface drainage(nearby nallah) for ground water recharging & agricultural purpose

**Summary of Micro-Meteorological data generated for the entire study period
(October 2023 - March, 2024)**

S.No	Parameter (s)	Min	Max	Mean
1.	Temperature (°C)	14.7	39.8	26.4
2.	Wind Speed (m/s)	Calm % 14.03	7.2	1.9
3.	Relative Humidity (%)	6.6	99.9	63.3
4.	Predominant Wind direction for the study period	South East (SE), followed by North West (NW)		
5.	Total Rainfall (mm)	21.0		

5.Ambient Air Quality Monitoring summary Details						
Location (Core zone Stations)	Direction & Distance	PM10(ug/m3)				
		Min.	Max.	Avg	98%tile	STD
Kondapuram UG Mine	East	149.0	181.0	163.5	180.3	250
		PM 2.5(ug/m3)				
		35.4	51.4	41.5	49.9	
		SO2(ug/m3)				
		10.4	12.3	11.1	12.3	120
		NOx(ug/m3)				
					120	
Buffer zone Stations	PM10(ug/m3)					
Pagideru (V)	North,3.40kms	55.0	65.0	61.1	65.0	100
Bugga (V)	West,2.90kms	55.0	62.0	57.6	61.8	
P.V. colony (V)	South,3.00kms	61.0	71.0	65.2	70.3	
Kunavaram (V)	South,2.30kms.	52.0	66.0	60.1	52.0	
	PM 2.5(ug/m3)					
Pagideru (V)	North,3.40kms	20.9	22.7	21.7	22.6	60
Bugga (V)	West,2.90kms	20.2	21.8	21.0	21.8	
P.V. colony (V)	South,3.00kms	21.3	22.7	22.1	22.7	
Kunavaram (V)	South,2.30kms.	20.5	22.6	21.4	20.5	
	SO2(ug/m3)					
Pagideru (V)	North,3.40kms	9.1	9.8	9.5	9.8	80
Bugga (V)	West,2.90kms	9.1	9.7	9.4	9.7	
P.V. colony (V)	South,3.00kms	10.0	10.5	10.3	10.5	
Kunavaram (V)	South,2.30kms.	9.5	10.4	10.0	9.5	
	NO2(ug/m3)					
Pagideru (V)	North,3.40kms	14.2	14.9	14.5	14.9	80
Bugga (V)	West,2.90kms	14.3	15.1	14.7	15.0	
P.V. colony (V)	South,3.00kms	14.4	15.5	14.9	15.5	
Kunavaram (V)	South,2.30kms	14.4	15.3	14.9	14.4	

Air Pollution Control Measures:**Dust Control**

- Water spraying along coal transport routes are being done to keep the road surface wet and to reduce the dust rising due to movement of vehicles and wind.
- 3 tiers Plantation developed all along the coal transport road from mine to KCHP & other coal transport roads
- Speed of the vehicles is controlled to minimize dust generation.
- Proper loading of the Lorries and also covering the coal Lorries with tarpaulins to avoid coal spillage along the road.
- Control blasting technique is being adopted with delay action detonators to control ground vibrations, noise, dust and also gases emissions.
- Mist spray and dry fog dust suppression system is provided and maintained in CHP at all transfer points, crusher plant and loading/un loading points etc.,

Gaseous Pollution Control Measures:

- Regular maintenance of Heavy Earth Moving Machinery and other vehicles is being done to reduce vehicular emissions. Tuning of engine is taken up as per the recommendations of Vehicle manufacturer..
- All employees are being provided with LPG cylinders to prevent burning of coal/wood.
- Delay action detonators are being used by adopting control blasting technique to mitigate gaseous emission.
- Separate coal stockyard is provided. Dumping of coal at mine surface is practically negligible.

- **6. Water Quality Monitoring:**

Sl. No.	Sampling code	Sampling Location	Latitude	Longitude
I.	Surface Water			
1.	SW-1	Gorripeta Vagu U/S	N 17°55'52.79"	E 80°44'28.51"
2.	SW-2	Gorripeta Vagu D/S	N 17°59'00.7"	E 80°47'45.8"
II.	Ground Water			
1.	GW-5	Santhinagar Village	N 17°58'19.7"	E 80°43'49.7"
2.	GW-6	Bugga Village	N 17°56'21.4"	E 80°45'07.4"
II.	Effluent			
1.	EW8	Kondapuram U/G Mine Discharge	N 17°56'26.7"	E 80° 45'06.9"

Effluent analysis						
Location	Parameters	Min.	Max.	Avg	98%tile	STD
KPUG Mine Discharge(EW8)	pH	6.5	7.9	7.1	7.9	
	TSS(mg/l)	10.0	96.0	22.6	79.3	
	TDS(mg/l)	421.0	4586.0	2257.9	4520.7	
	COD(mg/l)	19.0	89.0	61.8	88.3	
	BOD(mg/l)	2.8	9.0	6.6	9.0	
	Oil & Grease (mg/l)	<1	<1	<1	<1	

Water Pollution Control Measures:

- RO- plants are installed all the departments and mines for supply of clean and pure drinking water is being supplied to all the employees.
- Water used for other domestic supply is being treated and chlorinated before distribution.
- Sewage collection lines and the septic tanks are provided in colonies. Health department of SCCL-Manuguru is looking after regular works of sanitation in all the colonies. A sewage treatment plant of 1.5 MLD capacity has been operating at PV colony for treating domestic sewage. After treatment, water is being used for parks and gardens and also by local villagers for agriculture (72 Acres).
- Settling tanks are being used for removal of suspended solids etc. from the mine discharge water.
- Miscellaneous plantation and hamata grass, agave sucker are planted on the slopes of the dumps to control soil erosion.
- A separate ETP for CHP is working condition.
- Filter bed is constructed on the surface of the project to filter the mine discharge water.

Water Conservation Measures

I. Surface Water Quality Monitoring: The samples for Surface Water quality are being collected every quarter by EPTRI Post project monitoring team Environment officer of the concerned project, analysis report is send within one month of samples collection, result of the same from **Oct'2023 to Mar'2024** is furnished here under in **Annexure- XV**

II. Ground water Quality Monitoring: The samples for Ground Water quality Monitoring are being collected every quarter by EPTRI, Post project monitoring team under the supervision of EPTRI scientist and Environment officer of the concerned project, analysis report for the period **Oct'2023 to Mar'2024** is furnished here under in **Annexure- XVI**

III.Effluent Quality Monitoring: The samples for Effluent Quality Monitoring samples are being collected every fort night by EPTRI, Post project monitoring team under the supervision of EPTRI scientist and Environment officer of the concerned project. The analysis report for the period from **Oct'2023 to Mar'2024** furnished here under in **Annexure- XVI**

iv. Ground water level Monitoring: As per the ground water department conditions water levels in open wells Phearometric wells and peizometric wells driven this purpose are being monitoring regularly in monsoon, post-monsoon, winter & Pre-monsoon seasons by hydro-geologist from Kothagudem, to known the position water levels effects in surrounding villages with mining activity. Details of report is being regularly submitting Ground water department,Bhadradi-Kothagudem and same report also enclosed as a **Annexure-XVI**

7..Piezometric surface monitoring: (Range of Water Table)

The Piezometric surface data monitored during the year 2020-24 (up to winter) is as given below.

ATTITUDE OF PIEZOMETRIC SURFACE IN GODAVARI VALLEY COAL FIELD										
Block/Mine : KONDAPUR UG					Area: Manuguru					
Piezometric Well No.	Location	Depth (m)	Dia (m)	Measuring point (m)	Period	Depth to Water (m)				
						2020	2021	2022	2023	2024
Kondapur-PW1	Near proposed Tunnel & Site office adj. to pillar no. 16 17°55'53.12"N, 80°43'51.72"E	50.00	0.10	0.70	Winter	13.30	12.20	12.33	11.01	11.12
					Pre-monsoon	14.20	12.95	13.16	12.6	
					Monsoon	13.62	NA	10.97	11.3	
					Post-monsoon	11.74	12.47	10.42	12.2	
Kondapur-PW2	Towards Khammamtogu village Near pillar no. 11B. 17°56'01.76"N, 80°43'09.44"E	50.00	0.10	0.70	Winter	7.39	7.48	NA	6.69	6.77
					Pre-monsoon	8.62	9.00	8.28	7.54	
					Monsoon	8.68	9.09	5.59	6.15	
					Post-monsoon	6.05	NA	6.33	6.54	
Kondapur-PW3	Centre of mine property, 17°56'26.16"N, 80°43'32.80"E	50.00	0.10	0.70	Winter	12.03	8.92	14.48	10.53	11.39
					Pre-monsoon	14.33	12.70	14.95	13.1	
					Monsoon	14.70	12.90	5.83	7.14	
					Post-monsoon	7.02	14.00	7.71	9.96	
Kondapur-PW4	Dip side of mine property 17°56'46.48"N, 80°43'35.36"E	50.00	0.10	0.70	Winter	9.00	7.87	9.44	7.99	8.08
					Pre-monsoon	9.51	8.59	9.85	8.51	
					Monsoon	9.64	NA	8.78	8.45	
					Post-monsoon	7.78	9.17	7.84	7.94	

The phreatic data monitored during the years 2019-24 is as given below. The detailed information showing the name of village, location, type of well and geology etc., are furnished in **Annexure - IX**

ATTITUDE OF PHREATIC SURFACE IN GODAVARI VALLEY COALFIELD

Area: Manuguru

Well No.	Name of village	Location	Owner's name	Type of well	Dimension s (m)	Total depth (m)	Geology	Measuring point(m)	Period	Depth to water (m)				
										2020	2021	2022	2023	2024
1	Toggudem	Near Transformer 17°54'08.88, 80°49'46.98"	D.Venkateswarlu	Domestic	1.00	7.00	Pakhali Fm.	0.50	Winter	3.75	3.86	3.20	3.44	3.13
									Pre-monsoon	4.82	5.24	4.51	3.73	
									Monsoon	1.10	2.20	2.56	1.61	
									Post-monsoon	2.15	2.67	2.98	2.02	
2	Gutta Mallaram	Near Md. Ismail House 17°55'33.33", 80°49'33.95"	Govt. well	Domestic	2.50	9.50	Talchir Fm.	0.60	Winter	3.75	2.57	2.65	2.62	2.39
									Pre-monsoon	5.58	4.59	3.99	3.20	
									Monsoon	1.39	1.73	2.12	1.34	
									Post-monsoon	2.08	2.72	2.48	1.86	
3	Bandarugudem	Maisamma temple 17°56'14.81", 80°49'08.76"	Govt. well	Domestic	1.00	10.50	Barakar Fm.	0.65	Winter	4.08	WD	AB	AB	AB
									Pre-monsoon	7.09	WD	AB	AB	
									Monsoon	2.01	AB	AB	AB	
									Post-monsoon	WD	AB	AB	AB	
4	Sivalingapuram	Venkateswara Rice Mill 17°57'05.96", 80°49'11.70"	Venkateswara Rice Mill	Domestic	1.50	14.00	Barakar Fm.	0.50	Winter	2.80	3.88	4.63	3.11	2.10
									Pre-monsoon	5.46	4.33	4.36	5.16	
									Monsoon	1.00	2.40	1.45	1.25	
									Post-monsoon	1.84	1.97	3.01	1.15	
6	Old Manuguru	Near Gandhi statue 17°57'21.60", 80°49'19.27"	D.Nageshwarrao	Domestic	1.50	10.00	Barakar Fm.	0.30	Winter	1.95	1.93	1.92	2.40	2.12
									Pre-monsoon	3.25	3.22	2.81	3.18	
									Monsoon	0.90	1.19	1.00	1.85	
									Post-monsoon	1.17	1.45	1.38	1.86	

7	Old Manuguru	Near PK-I Inc 17°57'35.86", 80°49'14.68"	Samudrala Satyanarayana/K andukuri veeramallu//k.gu ruswami	Domestic	1.00	7.40	Barakar Fm.	0.65/.85	Winter	1.45	1.50	1.40	1.66	1.80
									Pre- monsoon	2.90	2.30	2.59	2.80	
									Monsoon	1.22	1.23	1.62	1.22	
									Post- monsoon	1.34	1.32	1.60	1.22	
8	Thirlapuram	Near Sammakka Temple 17°58'41.38", 80°47'23.47"	Govt. well	Domestic	1.50	9.50	Kamthi Fm.	0.70	Winter	4.43	4.20	4.31	4.28	3.86
									Pre- monsoon	6.37	5.34	5.48	5.01	
									Monsoon	4.78	3.38	2.52	2.55	
									Post- monsoon	2.80	3.55	3.35	3.52	
9	Ramanujaram	Adj. Bayyaram Road 17°59'50.47", 80°46'33.39"	T.Rangaiah	Domestic	1.50	10.00	Kamthi Fm.	0.54	Winter	3.37	3.12	3.55	3.35	3.45
									Pre- monsoon	6.82	4.40	6.18	4.62	
									Monsoon	3.00	2.54	1.28	1.35	
									Post- monsoon	1.65	2.45	2.27	2.12	
10	Sambayya Gudem	Near CPI statue 18°00'26.63", 80°45'30.08"	Md.Amir Ali	Domestic	1.00	9.00	Upper Gondwa na Fm.	0.45	Winter	3.77	5.04	4.12	4.45	4.92
									Pre- monsoon	5.31	5.30	5.72	6.48	
									Monsoon	2.62	3.12	3.14	2.41	
									Post- monsoon	2.96	4.13	4.18	3.32	
11	Sitarampuram	Opp.Telecom tower, 18°01'53.7", 80°43'61.6"	Govt. well	Domestic	1.50	8.20	Upper Gondwa na Fm.	0.60	Winter	2.99	2.23	2.32	4.15	2.38
									Pre- monsoon	6.32	4.79	3.67	4.44	
									Monsoon	3.28	2.69	2.00	1.94	
									Post- monsoon	2.72	2.23	2.68	2.21	
13	Edulla Bayyaram	Kottareddi palem 18°02'25.42", 80°43'49.23"	Rice mill	Domestic	1.00	9.50	Upper Gondwa na Fm.	0.30	Winter	5.07	4.08	5.28	4.97	5.32
									Pre- monsoon	6.00	5.26	5.71	5.86	
									Monsoon	4.78	4.65	1.52	3.28	
									Post- monsoon	3.42	4.38	2.74	4.89	

14	Mottula Gudem	SRC Colony 17°58'57.94", 80°44'05.91"	Inside Church copmond	Domestic	1.00	7.45	Kamthi Fm.	0.80	Winter	1.95	1.58	1.64	1.32	1.21
									Pre- monsoon	3.76	2.38	2.79	2.78	
									Monsoon	0.90	1.00	0.80	0.85	
									Post- monsoon	1.07	1.20	1.20	1.03	
15	Old Pagideru	Opp. Mahila mandali 17°58'20.26", 80°43'50.56"	Kunja Ramaiah	Domestic	3.00	5.50	Kamthi Fm.	0.30	Winter	2.05	2.19	2.30	2.44	2.07
									Pre- monsoon	3.29	2.90	3.32	2.59	
									Monsoon	1.60	1.20	1.30	1.01	
									Post- monsoon	1.55	1.80	1.80	1.45	
16	Pagideru	Shantinagar 17°57'52.98", 80°44'16.88"	Karne Chandraiah	Domestic	1.00	10.00	Kamthi Fm.	0.20	Winter	3.92	4.70	2.94	2.52	3.21
									Pre- monsoon	6.70	5.12	4.78	5.04	
									Monsoon	5.09	2.74	1.90	1.70	
									Post- monsoon	2.04	2.15	2.60	2.20	
17	Golla Kothuru	Near overhead tank 17°58'26.47", 80°44'45.64"	Govt. well	Domestic	3.00	11.00	Kamthi Fm.	0.60	Winter	1.80	2.88	3.83	4.31	4.72
									Pre- monsoon	4.06	4.27	6.82	7.06	
									Monsoon	2.10	3.20	2.47	2.40	
									Post- monsoon	2.13	2.90	2.63	2.21	
18	I.Singaram	Behind transit hostel 17°56'10.71", 80°48'03.26"	P.Sitaramulu	Domestic	2.00	6.00	Barakar Fm.	0.50	Winter	1.70	1.40	1.30	1.74	2.07
									Pre- monsoon	2.23	2.00	2.05	1.94	
									Monsoon	0.90	0.95	0.80	0.70	
									Post- monsoon	0.96	1.11	1.88	0.80	
19	Ch.Singaram	Near Over head tank towards I.Singaram 17°55'43.49", 80°47'49.92"	Ankam Odelu	Domestic	1.50	10.00	Barakar Fm.	0.55	Winter	3.25	3.20	2.50	2.89	2.75
									Pre- monsoon	5.68	5.08	4.08	4.51	
									Monsoon	2.29	1.85	1.10	1.20	
									Post- monsoon	2.50	2.18	1.87	1.58	

20	Kunavaram	After Rly line towards Colony 17°55'20.69", 80°47'50.45"	Vallabhineni Srinivas Rao H No 6-1-275	Domestic	2.50	10.00	Barakar Fm.	0.35	Winter	5.15	4.65	4.35	4.47	4.08
									Pre-monsoon	6.52	5.12	5.68	5.12	
									Monsoon	1.77	2.91	0.84	0.80	
									Post-monsoon	1.82	2.93	3.46	1.78	
21	S.Singaram	In Panchayat Office compound 75°55'47.27", 80°48'40.32"	Govt. well	Domestic	1.20	9.40	Barakar Fm.	0.85	Winter	4.44	3.55	3.62	4.00	3.47
									Pre-monsoon	5.08	4.80	4.62	4.54	
									Monsoon	1.30	2.55	0.80	1.34	
									Post-monsoon	1.82	2.63	WD	1.85	
22	Mutyalamma nagar	Beside Temple 17°54'51.47", 80°48'59.60"	Khaja Khan	Domestic	1.20	10.00	Barakar Fm.	0.35	Winter	5.25	4.90	4.91	5.05	4.66
									Pre-monsoon	8.24	7.60	7.48	5.83	
									Monsoon	2.68	3.83	2.13	1.52	
									Post-monsoon	3.46	3.20	3.54	3.08	
23	Sitampeta	Uppaka X road, 18°01'34.58", 80°42'24.49"	Kalevar Shankar	Domestic	1.20	9.50	Upper Gondwana Fm.	0.90	Winter	4.33	2.27	2.32	3.34	2.81
									Pre-monsoon	6.58	4.39	3.92	3.74	
									Monsoon	2.10	1.90	2.50	1.30	
									Post-monsoon	1.55	1.17	2.24	1.78	
24	Pinapaka	Village end towards Gopalraopet, 18°01'26.89", 80°41'14.43"	Budagam Venkataramarao/ *Sk. Fateh saheb	Domestic	1.00	8.00	Upper Gondwana Fm.	0.60	Winter	4.00	3.58	3.68	4.82	4.07
									Pre-monsoon	5.00	4.63	5.52	4.41	
									Monsoon	1.75	1.92	1.59	1.20	
									Post-monsoon	1.43	1.62	1.85	1.91	
26	Manuguru	Opp. Bustand 17°56'47.07", 80°48'44.80"	G.Ravi Kumar	Domestic	1.50	8.00	Upper Gondwana Fm.	0.75	Winter		3.34		3.43	2.92
									Pre-monsoon		4.87	4.67	3.84	
									Monsoon		2.36	1.90	2.01	

									Post- monsoon		2.37	2.60	1.98	
27	Old Manuguru	Santhana venugopala swamy temple 17 57' 27.20",80 49' 23.95"	Temple well	Domestic	1.20	9.00	Barakar Fm.	1.00	Winter				4.85	4.54
									Pre- monsoon			7.05	6.80	
									Monsoon			2.60	2.76	
									Post- monsoon			3.80	3.65	
28	Kalyanapuram	Adj to main road 17 53' 40.44",80 49' 47.83"	Binoth Ramdas	Domestic	1.30	9.00	Talchir Fm.	0.65	Winter				4.66	3.52
									Pre- monsoon			5.15	4.70	
									Monsoon			2.50	1.93	
									Post- monsoon			3.15	2.35	
29	Mittagudem	Adj to main road 17 53' 06.55",80 49' 46.15"	Jakkula Ramdas	Domestic	1.20	9.00	Talchir Fm.	0.30	Winter				3.97	3.11
									Pre- monsoon			5.14	4.64	
									Monsoon			1.96	2.02	
									Post- monsoon			3.30	2.85	

8.Noise Level Monitoring:

The detailed noise level data monitored during the period Oct'2023 to Mar'2024 is enclosed as **Annexure-XVIII**

Station Code	Name of the Stations	Latitude	Longitude
CORE ZONE			
CN5	Kondapuram U/G Mine	N 17° 56' 17.8"	E 80° 44' 36.4"
BUFFER ZONE			
BN5	Pagaderu Village	N 17° 58' 15.6"	E 80° 43' 56.3"
BN6	Bugga Village	N 17° 55' 00.6"	E 80° 43' 18.2"

Sl. No	Location	Direction & Distance	Day Time			
			Min.	Max.	Avg.	Standard
1.	Kondapuram U/G Mine	Core Zone	61.7	65.2	63.02	75
2.	Pagaderu Village	Buffer zone	37.8	62.7	41.10	55
3.	Bugga Village	Buffer zone	35.5	39.8	37.43	55
Sl. No	Location	Direction & Distance	Night Time			
			Min.	Max.	Avg.	Standard
1.	Kondapuram U/G Mine	Core Zone	47.9	54.7	50.39	70
2.	Pagaderu Village	Buffer zone	32.8	48.6	35.45	45
3.	Bugga Village	Buffer zone	32.3	34.9	33.45	45

9.Revenue expenditure in lakhs		
Sl.No	Particulars	Period: Oct”2023 to Mar”2024
1.	Air Polution(Prevention & Control)	4.08
2.	Water Polution(Prevention& Control)	29.78
3.	Land Development & Management	3.42
4.	Plantation	0
5.	P & M for Environment protection	0
6.	Consultancy Payments/Scientific Studies.	0
7.	OB dumps/subsidence stabilization	0
8.	Others(LPG supply to employee)	0
9.	Noise & Blast vibrations	3.64
	Total	40.92 Lakhs

10. Socio-economic Measures and welfare activities in Manuguru area:

Socio-economic Measures and welfare activities in Manuguru area:

- 01 Free supply of drinking water for Manuguru municipality about 8.6 lakhs Galan's /day
- 02 Wide publicity is being given at mines and departments to undergo Family Planning operations. Management is providing Rs.220/- for the person in addition to the 6 days special leave with pay to the employees who are undergoing family planning operations in the colliery hospitals. Weekly vaccination for polio, triple antigen, measles, BCG is given regularly at the dispensaries.
- 3 All company quarters are provided with safe drinking water drawn from Godavari River and water is supplied after filtration and chlorination. R.O. Plants were provided with capacity 500/250 ltrs/hour each at mines & units for safe drinking water.
- 4 Primary and higher education institutions managed by company have been established Playgrounds, recreation clubs library, swimming pool and physical fitness centre is being provided & maintained for the employees & their families.
- 5 Plastic Free SCCL "program has been taken up to ban the utilization of carry bags, glasses, cups and plates etc., in the mine premises and colonies, to control environmental pollution and also health hazards
- 6 All quarters are provided with sanitary facilities. Sanitary department of company is doing regular maintenance. Special measures are taken for well water chlorination. Fogging is done as a special measure in the colonies for preventing malaria and Dengue fever.
- 7 Occupational health check-up was done for 1,083 employees including contract labour during the last six months.
- 8 Health awareness programs conducted regularly at mines and surrounding villages.
- 9 Health camp conducted with area hospital staff to check up health issues of surrounding villages .

- 10 Created awareness on seasonal diseases through publicity & propaganda by pasting posters and wall writings in public places
- 11 Fogging in colonies other areas to avoid mosquitoes' production and sanitized all offices, colonies and work places.
- 12 Freely supplied Fruit bearing plants, flower plants and shady plants 0 No.s to employees of SCCL, PDF's & PEF's new R&R centers Plantation in Manuguru residential areas for the last six months.
- 13 Quarters allotted to the employees for the Manuguru area, the satisfaction level of quarter allotment is 95%.

SSS details of programmes conducted and amount spend from 2017-18 to 2023-24:

course name	2019-20		2020-21		2021-22		2022-23		2023-24	
	Amount spent	No.of beneficiaries	Amount spent	No.of beneficiaries	Amount spent	No.of beneficiaries	Amount spent	No.of beneficiaries	Amount spent	No.of beneficiaries
Tailoring	56,940	50			81,000	225	56,163	50	54,500	50
Beautician	28,430	25			54,000	50	54,000	50	54,000	50
Maggam Works	28,940	25					29,000	25	29,000	25
Cloth/Jute/Banjara Bags Making	-	-	-	-	-	-	NIL	NIL	14,660	15
Motor Driving License	1,80,000	25					NIL	NIL	NIL	NIL
Spoken English							NIL	NIL	NIL	NIL
DTP/Computer							NIL	NIL	NIL	NIL
Volvo Driving							NIL	NIL	NIL	NIL
Fabric Painting							NIL	NIL	NIL	NIL
Yoga	88,000	50					NIL	NIL	NIL	NIL
Army /police training	8,000	30	1,72,891	50			1,42,672	50	NIL	NIL
vidya volunter/pdfs village	40,000	30			20,000	25	NIL	NIL	50,000	25
lo school childrens tuction							NIL	NIL	NIL	NIL
satya sai deaf & dum (special school)	1,75,000	20			2,02,500	25	1,35,000	4	1,75,000	4
Total	6,05,310	255	1,72,891	50	35,75,000	325	4,16,835	179	3,77,160	169

11. Occupational health survey

Wide publicity was given on health and sanitation in colonies and main centers through Public Address System, by displaying banners, distributing pamphlets and created awareness on Health. IME & PME tests conducted for Employees & Contract workers and Medical camps conducted for surrounding villager's . The details are tabulated as follows.

MOBILE MEDICAL CAMPS DETAILS FROM 01.10.2023 TO 31.03.2024:

MONTH	DATE	VILLAGE	NO.OF BENEFICIERIES	EXPENDITURE(RS.)
Oct' 2023	30.10.2023	Kothakondapuram	77	8,474.00
Nov' 2023	4.11.2023	Pagideru	141	9,255.00
Dec' 2023	NIL	NIL	NIL	NIL
Jan' 2024	09.01.2024	Bugga	198	7,423.00
Feb' 2024	10.02.2024	Golla kothru	84	9,745.00
	24.02.2024	Regulagandi	42	4,420.00
Mar' 2024	NIL	NIL	NIL	NIL
Total			396	32,516.00

IME CONTRACT WORKERS STATISTICS FROM 01.10.2023 TO 31.03.2024

MONTH	PKOC-II	PKOC-IV	KCHP	MNGOCP	KPUG	CIVIL	AWS	AH	S&PC	QALITY	MVTC	SMS PLANT	FORESTRY	TOTAL
Oct-23	44	15	3	22	8	0	0	1	20	0	0	0	0	113
Nov-23	29	57	0	42	3	0	5	0	8	0	0	0	0	144
Dec-23	55	56	7	29	6	0	0	0	0	1	0	0	2	156
Jan-24	64	54	10	13	23	15	2	0	0	0	39	0	1	221
Feb-24	38	69	2	53	4	0	1	0	0	0	32	4	0	203
Mar-24	64	72	10	54	5	1	8	1	0	0	49	0	1	265
Total	294	323	32	213	49	16	16	2	28	1	120	4	4	1102

PME STATISTICS FROM Oct'23 To Mar'24

NAME OF THE MINE/DEPT	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
PKOC-II	41	33	52	41	48	38	253
PKOC-IV	12	5	3	10	14	1	45
KCHP	3	5	0	9	4	0	21
MNGOCP	3	1	1	3	1	5	14
GM-OFFICE	2	2	7	0	0	0	11
AWS	2	3	0	10	4	0	19
132-KV Sub Station	4	3	1	0	0	0	8
OC-STORES	0	0	0	0	0	1	1
KPUG	6	8	4	5	7	4	34
S&PC	2	0	1	1	0	1	5
CIVIL	4	3	2	0	2	0	11
AH-MNG	0	0	0	0	0	0	0
MVTC	0	0	0	1	0	0	1
Total	79	63	71	80	80	50	423

12. Other CSR activities.

1. Supply of drinking water (Godavari treated) to the surrounding villages i.e., Manuguru (v), Rajupet(v), Sivalingapuram, Bhagatsingh Nagar, Seshagiri Nagar, Sundaraiah Nagar and Sri Sri Nagar. Total quantity of Water is 8.67 lakhs Gallons /day. Excess mine water supplying to irrigation tanks i.e. Naidu Kunta, Nerellakunta and Gopidevikunta etc., Excess water from STP is supplying to the agriculture fields of Kunavaram (V) i.e.72 Acs.The total Quantity of Water 35.63 lakhs liters/day.
- 2 Providing logistic support for S.T.Home, Deaf and dumb school children, financial help and also providing free education at SC High School, Woman's Degree College, Kothagudem.
- 3 Under shape programme spent the following amount for construction of Tribal community hall, Restoration of few tanks, laying of CC roads, community hall in padma gudem R&R centre, School building in R&R centre of Kotha kommu gudem, Solar lighting and water supply arrangement in Peddapalli village (pdf village) etc., 2011-12:15.0 Lakhs, 2014-15 : 18.63, 2015-16: 17.5 Lakhs, 2016-17 2017-18,2018-19,2019-20,2020-21,2021-22 and 2022-23 detailed report enclosed as **Annexure-X**.
- 4 Besides this mobile Medical camps are being conducted frequently including free medicines for the benefit of surrounding villagers of the mine. The medical camps is being conducted at Annaram village during last six months **5 mobile camps were conducted in which 396 persons** were taken treatment. Free treatment is given for Project affected families as in-patients in case of emergency in SCCL-Hospital. PAPs have provided with Health Cards to avail the facility at SCCL Hospitals.
- 5 During the last six months 20 dependant employment provided to the workers.
- 6 During last six months Merit scholarships distributed to the meritorious students of the employee children who secured seats in IITs and IIMs.
- 7 Providing LPG cylinders at free of cost to all employees of area during last six months is 8236Nos.

MANUGURU AREA CSR DETAILS for the period of 2003-04 to 2023-24

SHAPE Expenditure (Rs. Lakhs)													
Sl. No	Description	2003-04	200-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Total
1	Road & Infrastructure	370.80	11.48	0.00	0.00	0.00	53.21	0.00	0.00	118.45	0.00	0.00	553.94
2	Drainage & Sanitation	0.00	38.46	31.09	0.00	0.00	34.70	0.00	0.00	0.00	0.00	0.00	104.25
3	Education	47.20	4.45	0.00	0.00	0.00	3.50	0.00	0.00	47.57	0.00	0.00	102.72
4	Drinking Water supply	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	5.09	0.00	0.00	33.97
5	Others	0.00	2.99	41.69	0.00	0.00	19.52	0.00	0.00	15.00	0.00	0.00	79.20
	Total	418.00	57.38	72.78	0.00	0.00	139.81	0.00	0.00	186.11	0.00	0.00	874.08

CSR Expenditure (Rs. Lakhs)

Sl. No	Description	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
1	Road & Infrastructure	0.00	34.85	0.00	62.76	131.2	186	0.00	167.00	61.18	0.00	642.99
2	Drainage & Sanitation	2.33	2.77	0.00	12.17	0.92	3.28	0.00	36.46	0	0.00	57.93
3	Education	0.00	0.00	0.00	0.00	0.00	6.87	12.25	0.00	0	0.00	19.12
4	Drinking Water supply	8.68	1.71	6.06	0.00	0.00	0.00	0.00	0.00	0	0.00	16.45
5	Others	0.6	8.24	11.72	0.00	0.00	3.03	5.91	3.5	57.23	0.00	90.23
	Total	11.61	47.57	17.78	74.93	132.12	199.18	18.16	206.96	118.41	0.00	826.72

Total an amount of Rs.**1700.8 Lakhs** spent towards SHAPE and CSR activities in Manuguru area from 2003-2024 (up to 31.03.2024).

13. Status report on issues rose during public hearing

Sl.No	Issues raised by the Public	Clarification / Status
1.	Requested to take all the measures to avoid ground water depletion due to this mine.	Regular monitoring of Peizometric data and pheriatic wells, results shows that there is no significant change in ground water table and village is 3.00 km away from the mine.
2.	Requested to provide infrastructural facilities like laying of cement roads with culverts, drinking water supply with tankers, drainage facilities and street lighting, 3 phase supply etc. Requested to spend 20% of company profits for developmental works.	<p>CSR funds are being utilized from its profits since inception of the mine to provide the infrastructural facilities.</p> <ul style="list-style-type: none"> • Drinking water supply provided with solar power system in pedda palli village • Solar lighting provided in pedda palli village . • Supply of drinking water (Godavari treated) to the surrounding villages i.e.,Manuguru(v), Rajupet(v), Sivalingapuram, Bhagatsingh Nagar, Seshagiri Nagar, Sundaraiah Nagar and Sri Sri Nagar. • Excess mine water is being supplied to irrigation tanks i.e. NaiduKunta, Nerellakunta and Gopidevikunta. • Water from STP is being supplied to

Sl.No	Issues raised by the Public	Clarification / Status
		<p>the agriculture fields of Kunavaram (V) i.e.72 Acs.</p> <ul style="list-style-type: none"> • Logistic support is being provided for S.T. Home, Deaf and dumb school children. • Amount was spent on construction of Tribal community hall, Restoration of tanks, lying of CC roads etc. • Medical camps are being conducted frequently including distribution of free medicines for the benefit of surrounding villagers. The medical camps are being conducted in surrounding villages at during last six months, 5 mobile camps were conducted and 396 persons were taken treatment. Free treatment is given for Project affected families as in-patients in case of emergency in SCCL-Hospital. PAPs have provided with Health Cards to avail the facility at SCCL Hospitals. • About 8.6 Lakh LPD of drinking water is being supplied free to Manuguru Municipality. • Free training in tailoring for ladies of Vippala singaram village & Mallaram colony. • Health camp were conducted for children of Satya Sai deaf & dumb and Bala velugu schools. • So far, an amount of Rs. 1700.8 Lakhs were spent upto 31.03.2024 for CSR activities for Manuguru Area (From Year 2003-2024).
3.	<p>Stated that more pollution is taking place at Manuguru town due to opencast mines and stressed the need for controlling pollution and measures to avoid water table depletion.</p>	<p>All measures are being taken in order to control pollution</p> <ul style="list-style-type: none"> • Water spraying along haul roads and coal transport routes are being done to keep the road surface wet and to reduce the dust rising due to movement of vehicles and wind. • All drill machines have been provided with dust collectors, dust disposal arrangement and wet drilling arrangement. • Road leading to project is black topped • 3 tiers Plantation along the roads has been taken up for dust control along the roads and also thick green belt along mine boundary. • Speed of the vehicles is controlled to

Sl.No	Issues raised by the Public	Clarification / Status
		<p>minimize dust generation.</p> <ul style="list-style-type: none"> • Proper loading of the Lorries and also covering the coal Lorries with tarpaulins to avoid coal spillage along the road. • Control blasting technique is being adopted with delay action non-electrical detonators to control ground vibrations, noise, dust and also gases emissions. • Rock breaker is being used for the boulders to avoid secondary blasting to control noise and dust from blasting • Mist spray and dry fog dust suppression system is provided and maintained in CHP at all transfer points, crusher plant and loading/un loading points etc.
4.	Stated that the AP Panchayat Raj Extension Act (Scheduled Areas) 1996 is not being taken into consideration while getting clearance for the projects.	All Acts have taken into account.
5.	Appealed to the Chairman of the meeting to reduce pollution by providing required infrastructure facilities such as bypass road and avoiding coal transportation over the traffic areas.	All the points stated at point no.3 will be implemented to reduce pollution. The coal is being transported to KCHP by road and from KCHP coal transport through railway mode and road mode.
6.	Requested to provide vocational training facilities to the youth so as to get job opportunities.	<p>SCCL is already extending training programs for the benefit of villagers who were rehabilitated.</p> <ul style="list-style-type: none"> ▪ Training on vocational courses for unemployed youth like Volvo driving, light vehicles driving, physical training for recruitment in military, police, etc. ▪ Training in paper glass and soft toys making, embroidery, Sarre painting, Tailoring, Indian leaf plate making, Paper bags making etc, were continuing through Singareni seva samithi.
7.	Requested to develop hot & cold water spring places as a tourist place.	SCCL management is established a Geo thermal power plant as pilot project near pagideru village.
8.	Requested to improve employment facilities for the youth.	<p>Employment facilities are being provided to the youth of this area through Singareni Sewa Samithi and provided employment in contractual works ,off loading works ,etc., in mines and departments. Provided employment 3726 nos. in the above works</p> <ul style="list-style-type: none"> ○ Provided training camps for selection in army, police etc. ○ Provided out sourced jobs in civil and sanitary and M&R works. ○ Offered contract vehicle deployment for

Sl.No	Issues raised by the Public	Clarification / Status
		PDFs, PAFs, etc.
9.	Questioned APPCB officials for not giving any feedback regarding action taken on their earlier representation made during earlier public hearings.	EE, APPCB clarified and further requested to contact their office for additional information, if any.
10.	Advised for increasing coal transport by rail and minimizing coal transport by road.	coal transportation by road is reduced and KCHP having facility for railway siding. Majority of coal transport through rail mode.
11.	Requested to take all measures to avoid damage to the forest as it is their main lively hood.	As per Banarus Hindu University report, there will not be any damage to the forest.
12.	Demanded for providing solar lamps for each house in the project affected village.	Electricity was provided to all affected villages in consultation with TS Electricity department. Solar lighting provided in pedda palli village



6/12.5.2024
Project Officer
Kondapur UG Mine
Manuguru Area