

**HALF YEARLY COMPLIANCE REPORT
ON ENVIRONMENTAL CLEARANCE CONDITIONS
AS ON 31st MARCH- 2023
FOR JK5 OPENCAST COAL MINING PROJECT
BHADRADRI KOTHAGUDEM DISTRICT, TELANGANA STATE**



**THE SINGARENI COLLIERIES COMPANY LIMITED
(A Gove)
YELLANDU AREA**

Government Company



The Singareni Collieries Company Limited
(A Government Company)
Yellandu Area

YELLANDU-P.O 507123
Bhadrakothagudem Dist., T.S.
Telephone GM:08745-240044
Env.Manager:08745-240329
Fax No : 08745-240348

Ref. YLD/JK5 OC/6-29/081

Dt:- 18 /06/2023

To
The Director,
Ministry of Environment, Forest & Climate Change (MoEF & CC),
Integrated Regional Office,
3rd Floor, Room No.309
Aranya Bhavan, Opp: RBI
Saifabad-500004,
Hyderabad.

Sir,

Sub:- Half-Yearly Environmental Monitoring Report of JK 5 OCP Mine of Yellandu Area of S.C.Co.Ltd,-Reg

Ref:- MoEF Letter No F.No. 23-257/2018-IA(III) , Dated:- 9th June-2022


-X-

With reference to the above, please find enclosed herewith the Half-Yearly Environmental Monitoring Report for the period ending 31-03-2023 in respect of JK5 OC Mine of Yellandu Area of Singareni Collieries Co.Ltd. Bhadrakothagudem District, Telangana State.

The report consists includes the status of implementation of Environmental Clearance conditions and various control measures take by us during the said half-yearly period.

Thanking You,

Yours faithfully,


Project Officer,
JK5 OCP,
SCCL, Yellandu Area.

Encl: As Above

Scanned by CamScanner

CONTENTS

Sl.No		Page No
1	PART-I	
	A. Salient features of the Project	4-6
	B. Compliance status of the EC conditions	7-53
	C. Plantation Plan	54
2	PART-II	
	1. Production details	55
	2. Top soil Management	55
	3. OB management	55
	4. Plantation	55
	5. Water balance statement	56
	6. Soil erosion control measures	56
	7. Micro meteorological monitoring	56-68
	8. Ambient air quality monitoring	69-77
	9. HEMM Vehicular emission monitoring data	78
	10. Water quality monitoring	79-87
	11. Summary of Surface, Ground Water & Effluents quality	88-92
	12. Phreatic & Piezometric surface monitoring	93-94
	13. Compliance report of Ground water clearance	94-96
	14. Heavy Metals in Particulate Matter	97 -98
	15. Noise quality monitoring	99-103
	15A. Air, water and noise pollution control Measures	104-105
	16. Blasting vibration Monitoring data	105-106
	17. Capital & Revenue Expenditure details	106
	18. Socio Economic Measures	107
	19. CSR activities	107-108
	20. Minutes of meeting of Env. Management committee	109-111
	21. Public hearing minutes	111-115

THE SINGARENI COLLIERIES COMPANY LIMITED
(A Govt. Company) Yellandu Area

PART - I

A. SALIENT FEATURES OF THE PROJECT AS ON 31st March 2023

1.	Name of the Project	:	Jawahar Khani-5 Open Cast
2.	Organization	:	The Singareni Collieries Company Limited
3.	Coalfield	:	Godavari Valley Coal Field
4.	Type of Mine	:	Opencast Mine
5.	Technology	:	Shovel-Dumper Combination
6.	Environmental Clearance		
	A. Letter No & date	:	EC Letter- F.No. 23-257/2018-IA(III), Dated 09.06.2022.
	B. Sanctioned Capacity	:	2.50 MTPA Expansion to 3.50MTPA
	C. Mining Lease Area.	:	490.14 Ha
	D. Date of Public Hearing	:	03.03.2021 &19.03.2021
7.	Location of the Project		
	A. Villages	:	Sudimalla and Usirikayalapalli
	B. Tahasil / Mandal	:	Yellandu
	C. District	:	Bhadradi Kothagudem
	D. State	:	Telangana
	E. Latitude	:	North Latitude 17 ⁰ 33' 59" to 17 ⁰ 35' 25"
	F. Longitude	:	East Longitude 80 ⁰ 18' 51" to 80 ⁰ 19' 51"
	G. Topo Sheet	:	65 C/6
	H. Nearest Railway Station	:	Singareni Collieries (Karepalli)
	I. Nearest Airport	:	vijayawada
	J. Nearest Town	:	yellandu
8.	Address for Correspondence		
	A. Name	:	Bollam Venkateswarlu
	B. Designation	:	Deputy General Manager
	C. Address	:	JK5 OCP, Yellandu, Bhadradi Kothagudem District, Telangana.
	D. PIN Code	:	507123
	E. E-mail ID	:	Agt_jkgrp_yld @scclmines.com

	F. Telephone No.	:	08745 240095
	G. Fax No.	:	08745 240348
9.	Life of the Project		
	A. Date of Opening	:	01-01-2012
	B. Total Life of the project as per EMP	:	8 Years
	C. Balance Life	:	One Year (up tp 2023-24)

10.	Seams		
	A. No. of Seams Present	:	5
	B. Seams being worked	:	1 (Queen Seam)
11.	Depth		
	A. Minimum Depth	:	35 mtrs
	B. Maximum Depth	:	120 mtrs
	C. Present working depth	:	120 mtrs
12.	Reserves		
	A. Total Geological Reserves	:	26.30 MT
	B. Total Extractable Reserves	:	23.67 MT
	C. Reserves already Extracted UG (Mt)	:	02.63 MT
	D. Reserves already Extracted OC	:	23.723 MT
	E. Balance Reserves	:	0.46 MT
	F. Coal production during last 6 months	:	1.229 MT
13.	Over Burden		
	A. Total OB	:	110.20 M.Cu.m
	B. OB extracted since inception	:	103.869 M.Cu.m
	C. OB removed in last 6 months	:	2.008 M.Cu.m
	D. Stripping Ratio	:	1:3.887
14.	Top Soil		
	A. Total Topsoil	:	2.77 M.Cu.m
	B. Topsoil extracted since inception	:	3.5898 M.Cu.m
	C. Topsoil removed in last six months	:	0.0 M.Cu.m
15.	Land Requirement		
	A. Total Requirement	:	490.14 Ha
	B. Forestland Involved	:	Nil
	C. Non-forestland	:	490.14Ha
16.	Activity wise Land Requirement	AS per EMP	Present Status
			AS per EMP
			Plantation
			Water body
	A. Excavation Area	:	149.95Ha
			149.95Ha
			42.27 Ha
			107.68Ha

	B. Top soil dump	:	17.32Ha	17.32Ha	17.32 Ha	-
	C. External OB dump	:	195.56Ha	195.5 Ha	174.59 Ha	20.97Ha
	D. Safety Zone	:	101.72Ha	101.72Ha	74.94 Ha	8.82Ha
	E. Other use	:	7.41Ha	7.41Ha	-	-
	F. Roads & Infrastructure area	:	18.18Ha	18.18Ha	18.18 Ha	-
	Total		490.14 Ha	490.14Ha	327.30 Ha	137.47Ha
17.	Statutory Clearances					
	A. Mining Plan Approval	:	Lr.No.38011/12/2017-PCA, Dated:12.09.2019			
	B. Ground Water Clearance	:	Lr No.321/SCCL/2021.dt.08.03.2023			
	C. Consent for Establishment	:	Order No. 08/TSPCB/CFE/KGM/RO-KGM/HO/2022 Dt:22.12.2022			
	D. Consent for Operation	:	Consent Order No:17072998391.Dt.03/01/2018 Valid up to:31/12/2022 and applied for expansion from 2.5MTA to 3.5 MTA			
	E. Forest Clearance	:	Nil			
	F. Mining Lease	:	Lease was granted for 20 years from 15-42004 to 14.4.2024 vide GO.Ms.No 278 dtd: 23.10.2007			
	G. Others (Specify)	:	Nil			
18.	R & R Involved	:	R&R benefit paid to 1335 Members identified from 638 Families for Rehabilitation			

B. Status of implementation of Environmental Clearance conditions of Jawahar Khani 5 opencast Expansion project- F.No. 23-257/2018-IA(III), dated 9th June-2022 (EC Identification No. EC22A042TG126745)

4. Specific Conditions:

Cond. No.	Condition	Compliance Status
(i)	EAC recommended for an amount of Rs 464.5 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan with budgetary provision are mention below.	Remediation plan and Natural and Community Resource Augmentation plan (RPandNCRAP) is being carried out as per the schedule with budgetary provision of Rs. 464.50 lakhs. Latest status of RP and NCRAP is furnished below:

i. Remediation plan

SI.No.	Description	Total Cost in Lakhs	Latest Status
1a	Construction of the CC Roads for a length of 1k m. 1.VijayalaxmiNagar 2.Subash Nagar 3.Strut Pit Basthi 4.Bhagyanagar thananda.	50.0	Construction of CC Roads 1 km. length completed in the following villages. 1.VijayalaxmiNagar- 2.Subash Nagar - 3.Strut Pit Basthi - 4.Bhagyanagar thananda

1b	Plantation of total 1280 Nos. of native plants at Rs.1000 per sapling, including maintenance for 3 years in nearby village and periphery of the project - JK colony.	12.8	Plantation of 1280 plants completed
1c	Construction of 4 no.s of RWH (including raw material, labour, construction and maintenance for one year) 1.Rompedu 2.Bojjaigudem 3.Motlagudem 4.Karepalli	10.0	Construction of RWH completed in 4 villages
	5 no.s of RO plants of in nearby villages. 250lit/hour capacity with installation and 10 years maintenance & shed. 1.Rompedu 2.JK R&R Colony 3.Usirikayapalli 4.Bhagyanager thanda 5.Rajanagar	37.5	5no. of RO plants installation completed 1.Rompedu 2.JKR&R colony 3.Usirikayapalli- 4.Bhagyanager - thanda 5.Rajanagar-
	Sub-Total	110.30	
ii. Natu ral Resource augmentation plan			
2a	196 no.s of 30W pole mounted solar LED lights (complete set) in nearby villages @Rs.28000 per unit with 3 years maintenance. 1. Usirikayapalli 2. Bhagyanager thanda 3. Sitarampur 4. Tekulagudem 5. Rompedu 6. Nizampet 7. Vijayalaxmi Nagar 8. 21 Pit Area 9. 23rd Ward 10.Strut pit Basthi	55.0	196+ 31(227) solal LED lights fixed In the10 villages with cost of Rs 55.0 lakhs

2b	Construction of 9 no.s of check dams (Materials,manpower, construction). 1. Usirikayapalli-2 2. Sitarampur-2 3. Karepalli-2 4. Tekulagudem-3	45.0	At Usirikayalapalli village one check dam is under progress .Remaining check dams will start after crops cutting (1month)
	Sub-Total	100.0	
Cond. No.	Condition	Compliance Status	
iii. Community Resource Augmentation Plan:			
3a	Construction of Community halls. 1.Rompedu 2.Karepalli	48.0	construction work at Rompedu, community hall completed At karepalli construction work of community hall under progress
3b	Godown for storage of the agriculture products in the nearby villages 1.Usirikayapalli 2.Sitarampur 3.Rompedu	45.0	Construction work of 3 Godowns completed
3c	Development of Parks 1.JK colony 2. JK5 OC R&R colony vacated area.(16th Ward) 3.Strut Pit Basthi	30.0	Development of at 3 locations completed
	Sub-Total	123.0	
iv. 1% contribution from capital cost against community welfare activities			

1	Laying of CC Roads 1.Usirikayalapally 2.Polampally 3.20th Ward of YLD 4.CSP Basthi 5.16th Ward of YLD	50.0	Laying of CC roads work completed in 5 villages
2	School Building & Community hall 1.Tilak Nagar 2.CSP Basthi	50.0	construction Work of school Building &community hall completed in Both the villages
3	Park & Open Gym in 16th Ward of YLD.	31.2	Development of Park & .Open Gym work completed in 16 th ward
	Sub-Total	131.20	
	Grand Total	464.50	
(ii)	PP to implement the works under aforesaid total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan for an amount of Rs. 464.5 lakhs for which bank guarantee has been submitted to SPCB.	SCCL submitted Bank Guarantee No.0416822BG0000156, dated 19.04.2022 for an amount of Rs.464.50 (Rupees Four hundred sixty four lakhs and fifty thousand only) to TSPCB, towards Remediation plan and Natural and Community Resource Augmentation plan with a validity period of 3 years. All the Remediation plan and Natural and Community Resource Augmentation plan (RPandNCRAP) works are being carried out as per the schedule.	
(iii)	Remediation plan shall be completed within one year from date of issue of EC only. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.	SCCL submitted BG to TSPCB for 3 years and is implementing Remediation plan and Natural and Community Resource Augmentation Plan (RP and NCRAP) as per schedule. After completing all the RP and NCRAP works SCCL will claim for release of bank guarantee.	

(iv)	Further proposal of expansion/amalgamation of mine shall only be considered only when full compliance of this EC conditions along with compliance of Remediation plan and Natural & Community Resource Augmentation plan for amount Rs 464.5 lakhs is accomplished.	SCCL will propose any expansion/amalgamation of mine only after full compliance of this EC conditions along with compliance of Remediation plan and Natural & Community Resource Augmentation plan for amount Rs 464.5 lakhs is accomplished.
(v)	Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board	Ground water clearance was obtained Vide letter No. 321/SCCL/2021.dt.08.03.2023
Cond. No.	Condition	Compliance Status
	(SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.	It is under process.
(vi)	PP shall submit the amount allocated for Wildlife Conservation plan as approved by the Competent Authority within six months of issue of this letter and shall be implemented with consent to the respective Forest division and intimation to PCCF regarding the activities to be carried should be also be sent	A Wildlife Conservation Plan for Schedule-I species was approved by the Principal Chief Conservator of Forest (HoFF) and Chief Wildlife Warden (FAC), TS for an amount of Rs.342.05 Lakhs, vide Ltr No.11416/2021/WL-1(i), Dt.12.10.2021. An amount of Rs342.05 lakhs has been remitted on 15-09-2022 through RTGS vide UTR No.SBINR52022091905236839 to BIOSOT A/c No.110310100030284, Union Bank of India, Secretariat Branch, Hyderabad.
(vii)	The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August	Not Applicable. Hon'ble Supreme Court issued a judgment in Common Cause Vs Union of India on 02.08.2017 related to major minerals and particularly applicable to Iron Ore and

	<p>2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p>	<p>Manganese Ore mines of Odisha State stating that 100% compensation towards the price of the mineral should be recovered for the illegal mining.</p> <p>SCCL submitted affidavits to MoEFCC while obtaining ToRs of projects under violation category stating that it will abide by the judgment given by Hon'ble Apex Court in Common Cause Vs Union of India.</p> <p>However, The DMG clarified that the penalty clause under section 21(5) and other sub-sections of MMDR Act 1957 are related to the mineral extracted either without granting of mining lease or mineral extracted outside the mine lease area. Hence, DMG has concluded that M/s SCCL has not committed any violation under section 21 (5) of MMDR Act, 1957. DMG also opined those violations were committed under E(P)Act/EIA Notification and liable for penalization under the same Act but not under MMDR Act,1957. NOC issued in this regard by DMG, Hyderabad, Govt. of Telangana State.</p>
(viii)	<p>State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p>	<p>Not Applicable in view of above.</p>

(ix)	Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission	<p>Effective dust suppression system is being adopted at the transportation site and in the other parts of the mining lease in arresting the fugitive dust emission.</p> <p>Regular water spraying is being carried out along the haul roads, approach roads, loading points etc by providing sufficient water sprinklers of 28 KL (4 No's), capacity and one 12 KL Water Tanker for dust suppression etc.</p> <p>Water/mist spraying arrangements and 2 No. of fog canons area provided at PIT CHP for controlling the fugitive dust emissions.</p>								
(x)	Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.	<p>SCCL has obtained all the statutory permissions required for operation of the mine.</p> <p>DGMS permissions for carrying out the mining operations were obtained.</p>								
(xi)	The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.	<p>As per the EMP, progressive reclamation activities are being carried out in the project area and so far, 268.16 ha of plantation to be done. The details of the plantation are furnished below.</p> <table border="1" data-bbox="885 1339 1485 1646"> <thead> <tr> <th>Description</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>Dump plantation</td> <td>193.57</td> </tr> <tr> <td>Block Plantation</td> <td>74.59</td> </tr> <tr> <td>Total</td> <td>268.16</td> </tr> </tbody> </table> <p>Reclamation works are being carried out as per the EMP and approved MP and MCP of JK 5 OC Mine.</p>	Description	Area in Ha	Dump plantation	193.57	Block Plantation	74.59	Total	268.16
Description	Area in Ha									
Dump plantation	193.57									
Block Plantation	74.59									
Total	268.16									

(xii)	State Government/SPCB to take action against the Project Proponent under the provision of Section 19 of the E (P) Act.	TSPB filed a case against the Project Proponent vide CC No.32/2021 in the Court of Judicial Majistrate, Yellandu. A penalty of Rs.20, 000 was levied by the Hon'ble court for the violation. (Copy enclosed)
(xiii)	In pursuance to the Ministry' s OM dated 30.09.2020, Project Proponent shall take up the following activities for community development under EMP.	All the activities for the community development are in progress with an expenditure of Rs.131.2 lakhs.
(xiv)	The PP must adhere to the commitment in time bound manner to address the public hearing issues like construction of check dams in Usirikayalapally (3nos), Sitarampur (2 nos), Kerapalli (2 nos) & tekulagudam (03 nos), providing street solar lights to 10 surrounding villages and construction of CC roads in Vijay laxmi nagar, Subhash nagar, Strut Pit basti, Bhagyanagar thanda, Usirikayalapally , Polampally, 20 ¹ h ward of YLD, CSP Basti, 16th ward of YLD etc.	All the activities for the community development are in progress with an expenditure of Rs.131.2 lakhs.

d. No.	Condition	Compliance Status
(xv)	PP must also install solar lights along the roads too which are to be constructed by PP as mentioned above conditions in all the villages.	Solar lights were arranged along the roads.
(xvi)	PP shall update mine closure activity already conducted and to be pursued for final mine closure and furnish the detail to the respective IRO in December,2022	<p>Total Mine closure cost is estimated Rs. 50.99 Crores and so far Rs. 40.39 Crores were deposited . (Up to, 2019-20, Rs. 36.65 Crores in existing JK-5 OC Escrow account No. 3858965503 and from 2020-21 Rs. 3.71 Crores in proposed JK OC Escrow account No. 3858965503 , which is amalgamation of existing JK-5 OC and 21 Incline)</p> <p>Total amount deposited in JK-5 OC Escrow account No.4010732894 as on 31.03.2023 is Rs 5854,57,934.00,</p> <p>(Copy of Mining Plan including Final Mine Closure Plan approval is enclosed at page no 114 and the covering letter regarding the submission of Mining Plan including Final Mine Closure Plan to MoEF&CC is enclosed)</p>
(xvii)	PP shall backfill fill the entire final void up to a depth of 20 m from surface to form a water lagoon after cessation of mining activities	Will be complied
(xviii)	Periodical health check-up shall be conducted to monitor the impact of heavy metals present in core zone & buffer zone air quality and also to prepare an action plan to reduce heavy metals concentration and also report to be submitted to concerned regional office of MoEF&CC.	<p>Periodical health checkup details of workmen given below For the period OCT22-MARCH23</p> <p>1.OCT-22 - 03 4.JAN-23 - 14 2. NOV-22 - 06 5. FEB-23 - 26 3.DEC-22 - 03 6. MARCH - 05</p> <p style="text-align: center;">TOTAL-57</p>

4.1 STANDARED E.C CONDITIONS :

a) Statutory compliance

Cond. No	CONDITION	COMPLIANCE STATUS
i)	The environment Clearance shall be subject to orders of hon"ble supreme court of India, Hon"ble High courts, NGT and any other court of law, from time to time and as applicable to the project	Will be complied
ii)	The project proponent shall Obtain forest clearance under the provisions of Forest conservation Act 1986, incase of the divirsion of forest land for non forest purpose involved in the project.	Not applicable as no forest land involved in the project.
iii)	The project proponent shall obtain clearance from the National Board for WILD life ,if applicable	Not applicable as there are no wild life sanctuaries within 10 km from the project
iv)	The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the sixmonthly compliance report. (incase of the presence of schedule-I species in the study area)	A Wildlife Conservation Plan for Schedule-I species was approved by the Principal Chief Conservator of Forest (HoFF) and Chief Wild life Warden (FAC), TS for an amount of Rs.342.05 Lakhs, vide Ltr No.114.12.10.2021. An amount of Rs342.05 lakhs has ben remitted on 15-09-2022 through RTGS vide UTR No.SBINR52022091905236839 to BIOSOT A/c No.110310100030284, Union Bank of India, Secretariat Branch, Hyderabad.
(v)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.	Obtained Consent to Establish and Consent Order is in process.
(vi)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Ground water clearance was obtained from State Ground Water Authority Vide Memo No. Vide Ltr. No.321/SCCL/2021, Dt. 08.03.2023 and valid up to 2 years.
(vii)	Solid waste/hazardous waste generated in the	PP informed that about 110.20 M.Cum of overburden is to be

	<p>mines needs to addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016</p>	<p>excavated throughout the life of the project.</p> <p>About 103.869 M.Cum of over burden extracted from the project till 31.03.2023 of which 69.56 M.Cum was dumped in external dump and 34.309 M.Cum was dumped in the internal dump (Back filling).</p> <p>And the balance 6.51 M.Cum will be dumped in the internal dump (Back filling).</p> <p>Other Solid/ hazardous waste generated in the mines are being disposed in accordance to the Solid Waste Management Rules, 2016/Hazardous and Other Waste Management Rules, 2016.</p> <p>Hazardous wastes like used oil with barrels, waste oil with barrels, used transformer oil with barrels, scrapped batteries, iron scrap, copper cables, scrapped cap lamp accumulators, empty oil and grease drums will be handled and disposed off in accordance with the procedure laid down in HWM Rules, 2016.</p> <p>Used oil, spent oil, batteries and copper cables shall be disposed of to the recyclers having valid registration from CPCB/TSPCB for recycling or recovery, whereas the empty oil and grease barrels will be detoxified prior to their disposal to outside agencies.</p>
--	--	--

Cond. No.	Condition	Compliance Status																																
4 (b)	Air quality monitoring and preservation:																																	
(i)	<p>Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely TSP, particulates, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. to be carried out at least once in six months. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB</p>	<p>Ambient Air Quality Monitoring Stations as prescribed in the statute were established in the core zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x.</p> <p>Location of the stations was decided in consultation with the State Pollution Control Board by considering meteorological data, topographical features and environmentally and ecologically sensitive targets.</p> <table border="1" data-bbox="946 936 1501 1653"> <thead> <tr> <th data-bbox="946 936 1026 1093">S. No</th> <th data-bbox="1026 936 1129 1093">Station Code</th> <th data-bbox="1129 936 1321 1093">Name of the Station</th> <th data-bbox="1321 936 1501 1093">Details</th> </tr> </thead> <tbody> <tr> <td data-bbox="946 1093 1026 1171">1</td> <td data-bbox="1026 1093 1129 1171">CA1</td> <td data-bbox="1129 1093 1321 1171">PO Office - JK-5 OCP</td> <td data-bbox="1321 1093 1501 1171">Core Zone</td> </tr> <tr> <td data-bbox="946 1171 1026 1256">2</td> <td data-bbox="1026 1171 1129 1256">CA2</td> <td data-bbox="1129 1171 1321 1256">Osmanpit (Rajanagar)</td> <td data-bbox="1321 1171 1501 1256">Core Zone</td> </tr> <tr> <td data-bbox="946 1256 1026 1335">3</td> <td data-bbox="1026 1256 1129 1335">BA1</td> <td data-bbox="1129 1256 1321 1335">Yellandu Town</td> <td data-bbox="1321 1256 1501 1335">Buffer Zone</td> </tr> <tr> <td data-bbox="946 1335 1026 1413">4</td> <td data-bbox="1026 1335 1129 1413">BA2</td> <td data-bbox="1129 1335 1321 1413">Tekulagudem Village</td> <td data-bbox="1321 1335 1501 1413">Buffer Zone</td> </tr> <tr> <td data-bbox="946 1413 1026 1491">5</td> <td data-bbox="1026 1413 1129 1491">BA3</td> <td data-bbox="1129 1413 1321 1491">Usirikayalappalli Village</td> <td data-bbox="1321 1413 1501 1491">Buffer Zone</td> </tr> <tr> <td data-bbox="946 1491 1026 1570">6</td> <td data-bbox="1026 1491 1129 1570">BA4</td> <td data-bbox="1129 1491 1321 1570">Motlagudem Village</td> <td data-bbox="1321 1491 1501 1570">Buffer Zone</td> </tr> <tr> <td data-bbox="946 1570 1026 1648">7</td> <td data-bbox="1026 1570 1129 1648">BA6</td> <td data-bbox="1129 1570 1321 1648">Mittapalli Village</td> <td data-bbox="1321 1570 1501 1648">Buffer Zone</td> </tr> </tbody> </table> <p>In addition to the regular monitoring stations, online ambient air quality monitoring station was established at the core zone (project area) in Sep', 2020 and its display system is provided at mine office with the consent of PCB authorities. CAAQMS is connected to TSPCB server in May, 2021 and real</p>	S. No	Station Code	Name of the Station	Details	1	CA1	PO Office - JK-5 OCP	Core Zone	2	CA2	Osmanpit (Rajanagar)	Core Zone	3	BA1	Yellandu Town	Buffer Zone	4	BA2	Tekulagudem Village	Buffer Zone	5	BA3	Usirikayalappalli Village	Buffer Zone	6	BA4	Motlagudem Village	Buffer Zone	7	BA6	Mittapalli Village	Buffer Zone
S. No	Station Code	Name of the Station	Details																															
1	CA1	PO Office - JK-5 OCP	Core Zone																															
2	CA2	Osmanpit (Rajanagar)	Core Zone																															
3	BA1	Yellandu Town	Buffer Zone																															
4	BA2	Tekulagudem Village	Buffer Zone																															
5	BA3	Usirikayalappalli Village	Buffer Zone																															
6	BA4	Motlagudem Village	Buffer Zone																															
7	BA6	Mittapalli Village	Buffer Zone																															

		<p>time data is available on TSPCB website.</p> <p>Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc., are being carried out once in six months (heavy metals in coal for one quarter and heavy metals in particulate matter in another quarter) and the results and data being submitted along with half yearly reports to the ministry and its regional office of MoEFCC</p>
(ii)	<p>The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.</p>	<p>Ambient air quality monitoring in the core zone as well as in the buffer zone is being carried out through external agency M/s. Environment Protection Training and Research Institute (EPTRI), Hyderabad, which is a CPCB, recognized and NABL accredited laboratory. A Regional Laboratory has been established by EPTRI at Kothagudem for analysis of critical parameters in the field.</p> <p>The data on ambient air quality and heavy metals are being submitted along with half yearly reports to the ministry and its regional office of MoEFCC.</p>
(iii)	<p>Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.</p>	<p>Presently transportation of coal is being done by covered trucks by road mode, to the extent permitted.</p> <p>Regular water spraying is being carried out along the haul roads, approach roads, loading points etc., by providing sufficient water sprinklers of 28 KL (4 No's) & 12 KL(One) capacity for dust suppression etc.</p> <p>Water/mist spraying arrangements and 2 No.s of Fog Canons are provided at pit head CHP for controlling the fugitive dust emissions.</p> <p>It is being ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.</p>
(iv)	<p>Major approach roads shall be black topped</p>	<p>Approach roads to a length of 5.00 km were black topped and being properly</p>

	and properly maintained	maintained.
(v)	<p>The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct</p> <p>a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated</p>	<p>The transportation of coal is being carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of coal is being done by covered trucks by road mode only.</p>
(vi)	<p>Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.</p>	<p>PP informed that the periodic planned preventive maintenance and engine tuning of HEMM and other transport vehicles is being done at regular intervals as per schedules submitted by OEM to keep the vehicular emissions under control.</p> <p>Vehicular emissions of departmental HEMM, being operated by Diesel are being monitored at every six months interval through EPTRI, Hyderabad, which is a CPCB, recognized and NABL accredited laboratory. PUC' certificates for OB contractual vehicles and Coal transport vehicles are being obtained by respective contractual agencies from the authorized pollution testing centres.</p>
(vii)	<p>Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.</p>	<p>Coal stock yard, crusher and feeder breakers are provided with water/mist spray arrangements. Belt-conveyors were fully covered to avoid air borne dust. Side cladding all along the conveyor gantry was made to avoid air borne dust. Drills are wet operated only.</p>
(viii)	<p>Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such</p>	<p>Coal handling plant is being operated with water spray/sprinklers for effective control of dust.</p>

	parameters.	
(c)	Water quality monitoring and preservation:	
(i)	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.	The effluent discharge (mine waste water, workshop effluent) is being monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. The results for the period of October, 2022 to March, 2023 are enclosed in Part II.
(ii)	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	The monitoring data is being uploaded and displayed on the company's website (https://scclmines.com/env/docs/ECS/120062.pdf). The circular No. J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change is being complied.
(iii)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	Regular monitoring of ground water levels and quality of the existing mines is being carried out by establishing a network of twelve (12) existing wells and three (03) piezometers.

(iv)	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment , Forest and Climate Change/Regional Office.	Monitoring of water quality upstream and downstream of water bodies are being carried out once in three months and record of monitoring data is being maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office once in six months.
(v)	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	<p>Only seepage water pumped out of the project is being utilized for mining operations. Desilting of nearby tanks was taken up for augmentation of ground water resources.</p> <p>4 No's of Rain water Harvesting Pits were constructed for augmentation of ground water resources.</p> <p>Rain Water Harvesting Pits with a cost of Rs10 Lakhs Preparatory work for RWH pits is in progress</p>
(vi)	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimension s and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation	There are no diversions of channels around the project site.

(vii)	<p>Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff</p>	<p>Catch drains for a length of 9600m have been made for proper collection of water into the 3 No's. settling ponds and to arrest silt from the runoff from OB dump.</p> <p>The water so collected is being utilized for dust suppression in the mine area, on haul roads and for green belt development etc.</p> <p>The garland drains are being maintained around the external dump and quarry for a total length of 9600m.</p> <p>The drains and settling ponds are being regularly de-silted and properly maintained.</p>
(viii)	<p>The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>The water pumped out from the mine, after siltation, is being utilized for industrial purpose viz. dust suppression, watering the mine area, roads, green belt development etc. The drains are being regularly de-silted particularly before and after monsoon and maintained properly.</p>
(ix)	<p>Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent.</p> <p>Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.</p>	<p>ETP has been provided for workshop and 3 Nos. of settling ponds were made for removal of coal fines and suspended solids .2 STPS (1.5 MLD) are constructed at OLD Colony, and JK Colony of Yellandu. Water quality of mine discharge is being monitored at regular intervals before discharging into natural water course and results are in prescribed standards.</p>

(x)	<p>Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.</p>	<p>4 No's of Rain water Harvesting Pits were constructed for augmentation of ground water resources</p> <p>Rain Water Harvesting Pits with a cost of 10Lakhs were constructed around 4 villages the project boundary</p> <p>For the purpose of drinking water, 5 No. of R.O. Plants are being provided in the surrounding villages as per the RPandNCRAP with an amount of Rs. 37,50,000. Installation of the RO plants are in process.</p> <p>The project authorities will meet water requirement of nearby village(s) in case the village wells go dry due to de-watering of the mine.</p>
xi)	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivu let/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS</p>	<p>The surface drainage plan including surface water conservation plan was prepared considering the area affected by the mining operations, presence of water bodies in the area and being implemented. There are no diversions of natural water courses involved for the project.</p>
(xii)	<p>The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.</p>	<p>Not applicable.</p> <p>There are no rivers in and around the mine.</p>
(d)	Noise and Vibration monitoring and prevention	

i)	Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in underground mining operations, operation of HEMM, etc, shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms/guidelines in this regard. Progress in usage of such accessories to be monitored Adequate awareness programme for users to be conducted.	Adequate measures are being taken for control of noise levels at the work environment. All the HEMM are provided with Sound Proof AC Cabins and Periodic planned preventive maintenance and engine tuning of HEMM and other transport vehicles is being done. Workers engaged in noisy environment like blasting and drilling operations, operation of HEMM, etc are being provided with personal protective equipment's (PPE) like ear plugs/muffs. Thick Green Belt has been developed around the project for noise attenuation. Adequate awareness programme for users is being conducted and usage of PPE are being monitored during the inspections of officers and supervisors.
ii)	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on sixmonthly basis.	Regular noise survey is being carried out by recording noise levels, which are well below the permissible limits. Report in this regard is being submitted to the Ministry/RO on sixmonthly basis.
(e)	Mining Plan	
i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Presently, mining operations are being carried out in the existing JK-5 OC Expansion Project, under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
ii)	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	No change of mining method and scope of work will be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).

iii)	Mining shall be carried out as per the approved mining plan (including mine closure plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	Mining operations are being carried out in the existing JK-5 OC Expansion Project as per the approved mining plan (including mine closure plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
iv)	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.	Not Applicable The mine is an Opencast mine
v.	No mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	Not Applicable No forest land involved in the project

vi.	Efforts should be made to reduce energy and fuel consumption by conservation efficiency improvements and use of renewable energy.	<p>1. Solar Power: Total Solar Power Installed in the SCCL is approximately 224 Mega Watt (MW), out of which installed capacity in Yellandu is 39 MW.</p> <p>2. Fixing of Energy Meters:</p> <ul style="list-style-type: none"> • 20000 No.s fixed in quarters of SCCL. • Target fix in all 46,000 No. of SCCL quarters <p>3. Lighting:</p> <ul style="list-style-type: none"> • Incandescent lamps are banned in quarters. • Advised to replace LED lamps in place of Incandescent lamps. • Conventional street / yard lighting is replaced with LED lights. <p>4. Energy efficient appliances:</p> <ul style="list-style-type: none"> • Made mandatory to purchase 5 stars rated. house hold appliances. • Purchased 5 star rated Air conditioners, Refrigerators, Fans, Coolers etc., in SCCL and also made propaganda among the employees. <p>5. Others:</p> <ul style="list-style-type: none"> • In OC mines, proposed to procure mobile Solar Lighting Masts with energy saving LED lights with Battery backup in place of diesel operated DG Set with conventional highcapacity lights. • Arranged to fix transparent acrylic sheets on roof top to utilize day light. <p>Using timers in street lighting in all areas</p>
(f)	Land Reclamation	
i)	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1 :50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is being carried out once in three years. Land use Land cover study of core and buffer zone was last carried out by M/S Geosys Enterprise Solutions Private Ltd. Hyderabad, during the year 2019 in respect of JK-5 OC Project and the report was submitted to MOEFCC/Regional Office (RO) at Hyderabad. Digital survey of entire lease hold area completed in the year 2022 by Green C

		India pvt Ltd. Report will be submitted soon after receiving the report.
Cond. No.	Condition	Compliance Status
ii)	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	Will be complied
iii)	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.	Not Applicable The mine is an Opencast mine

iv)	Fly ash shall be used for external dump of overburden , backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 30ct November , 2009 as amended from time to time. Efforts shall be made to utilize .gypsum generated from Flue Gas Desulfurization (FGD), if any, alongwith fly ash for external dump of overburden, backfilling or stowing of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	SCCL is in the process of making MoU with m/s NTPC, Ramagundam for using fly ash in the void of one of the abandoned mines Ramagundam Area. Basing on the results, dumping of fly ash will be taken up in this mine considering the stability and safety parameters after obtaining permissions from the regulatory authorities. However, it is to submit that the fly ash is being utilized in the underground mines of SCCL for stowing of goaved out areas. Till now around 93.14 lakh cu.m of fly ash has been utilized for this purpose.
v)	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.	Not Applicable The mine is an Opencast mine
vi)	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	Not Applicable The mine is an Opencast mine
vii	Native tree species shall be selected and planted over areas affected by subsidence.	Not Applicable The mine is an Opencast mine
viii	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Not Applicable The mine is an Opencast mine

(g)	Green Belt									
i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted/reported in the study area. Action plan, in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	As per the EIA/EMP report, no endangered flora and fauna reported within the core area. Progressive reclamation in the project area with native species is being taken up so as to merge with the surrounding forests. Precautionary measures will be taken during mining operations for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area.								
ii)	Greenbelt, consisting of three-tier plantation, of width not less than 7.5 m, shall be developed all along the mine lease area in a phased manner. The green belt comprising of a mix of native species shall be developed all along the major approach roads/ coal transportation roads.	<p>Thick plantation developed all along the mine lease area.</p> <p>Progressive reclamation activities are being carried out in the project area and so far, 268.16 ha of plantation was done. The details of the plantation are furnished below.</p> <table border="1" data-bbox="948 1077 1522 1384"> <thead> <tr> <th data-bbox="948 1077 1321 1151">Description</th> <th data-bbox="1321 1077 1522 1151">Area in Ha</th> </tr> </thead> <tbody> <tr> <td data-bbox="948 1151 1321 1227">Dump plantation</td> <td data-bbox="1321 1151 1522 1227">193.57</td> </tr> <tr> <td data-bbox="948 1227 1321 1303">Block Plantation</td> <td data-bbox="1321 1227 1522 1303">74.59</td> </tr> <tr> <td data-bbox="948 1303 1321 1384">Total</td> <td data-bbox="1321 1303 1522 1384">268.16</td> </tr> </tbody> </table> <p>The greenbelt comprising a mix of native species and endemic species has been developed Species planted are:</p> <p><i>Hardwickia binata, Dendrocalamus strictus, Ficus religiosa, Pterocarpus santalinus, Azadirachta indica, Limonia acidissima, Ficus bengalensis, Aegle marmelos, Mitragyna parvifolia, Dalbergia latifolia,</i></p> <p><i>Pterocarpus marsupium, Syzygium cumini, Albizzia procera, Terminalia bellarica, Pongamia pinnata, Madhuka indica, Tamarindus indica, Pithecelobium dulce, Sterculia urens, Dalbergia sissoo, Bombax ceiba, Albizzia lebbek.</i></p>	Description	Area in Ha	Dump plantation	193.57	Block Plantation	74.59	Total	268.16
Description	Area in Ha									
Dump plantation	193.57									
Block Plantation	74.59									
Total	268.16									

(h)	Public hearing and Human health issues	
i)	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Adequate illumination is being ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same is submitted to MoEFCC and IRO on six- monthly basis.
ii)	The Project Proponent shall undertake Occupational Health survey for initial and Periodical medical examination of the workers engaged in the Project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check- up for occupational diseases and hearing impairment, if any.	<p>SCCL is providing free medical treatment to all the workmen and their family members in the 7-area hospital (with a total of 821 beds) and 21 dispensaries established in all the workings areas of the company.</p> <p>The annual expenditure incurred by SCCL in maintenance of health care facilities during 2021-22 is Rs.267.00 Crores.</p> <p>SCCL is also conducting regular health camps in villages located in the vicinity of project to study the health status of the people and is providing free treatment in SCCL hospitals.</p> <p>In addition, SCCL established eleven Initial Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., at Kothagudem, Manuguru, Yellandu, Godavarikhani, Sector - III Colony(Godavarikhani),Bellampalli, Ramakrishnapur, Mandamarri, Srirampur Bhupalpally and Sathupalli for conducting IME/PME of the employees including contract employees.</p> <p>All the PME Centres are equipped with necessary infrastructure for carrying out IME/PME and maintenance of data base.</p> <p>Every PME centre is provided with the facility for chest radiographs as per ILO guidelines with a set of ILO standard chest radiographs on Pneumoconiosis, lung function tests with computerized Spirometres of RMS make, and facilities for Audiometry with pure tone Audiometry equipment.</p> <p>All the Chest radiographs of the Initial and Periodical Medical examinations are being classified for detection, diagnosis and</p>

		<p>documentation of Pneumoconiosis in accordance with the ILO classification for Pneumoconiosis according to DGMS guidelines.</p> <p>All the PME Doctors employed except gynaecologists, paediatricians, surgeons and ortho surgeons are trained to read PME XRays in accordance with ILO classification of Pneumoconiosis.</p> <p>Out of a total of 209 Doctors on roll as on date, 123 Doctors are trained in reading the chest radiographs as per the ILO guide lines. SCCL has one Occupational Diseases Board (Pneumoconiosis Board) in existence since 1965. Chief of Medical Services, Radiologist constituted the Occupational Diseases Board, Physician and Occupational Health Physician together.</p> <p>In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.</p> <p>Eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals. In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.</p> <p>Eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals.</p>
iii)	Personnel (including outsourcing employees) working in dusty areas shall wear protective	Persons being deployed in mining operations are being provided with dust

	respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	masks to wear and adequate training and information on safety and health aspects is being imparted. Dust masks are being provided to workmen exposed to dusty environment. Dust masks to the outsourced employees are being provided by respective OB contractual agencies.
		Adequate training is being imparted on safety and health aspects at the Mine Vocational Training Centre, Yellandu during initial/ refresher training programmes and being educated regularly during safety education, talks etc. by concerned in-charges.
iv)	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.	Skill training is being imparted as per safety norms specified by DGMS to all workmen including the outsourcing employees at the Mine Vocational Training Centre, Yellandu to ensure high safety standards in mines.
v)	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.	Sufficient supply of drinking water for all the persons employed in the mine at suitable points conveniently situated is being ensured (as per DGMS standards).
vi	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall undertake all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing. Land oustees shall be compensated as per the norms laid out R&R Policy of the Company/ or the National R&R Policy/ R&R Policy of the State Government, as applicable.	Action plan on the issues raised during the public hearing is formulated and implementation is being ensured. All the tasks/measures as per the action plan with budgetary provision submitted during the public hearing are being undertaken. Land oustees were compensated as per the norms laid down in the RR policy of the company/State Government/ Central Government, as applicable.

vii	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	Will be complied
(i)	Corporate Environment Responsibility	

i)	<p>The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.</p> <p>The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report</p>	<p>The company is having a well laid down environmental policy duly approved by the Board of Directors.</p> <p>The environmental policy is containing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company is having a defined system of reporting infringements/deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholders/stake holders.</p>
ii)	<p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</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. Apart from this, a unit level Environmental Management Committee with multi- disciplinary team has been constituted under the chairmanship of SO to GM. The committee has been constituted with following members</p>

		<table border="1"> <tr> <td>1</td> <td>SO to General Manager</td> <td>Chairman</td> </tr> <tr> <td>2</td> <td>Project Officer</td> <td>Member</td> </tr> <tr> <td>3</td> <td>Area Engineer (E &M)</td> <td>Member</td> </tr> <tr> <td>4</td> <td>Area Civil Engineer</td> <td>Member</td> </tr> <tr> <td>5</td> <td>Area Forest Officer</td> <td>Member</td> </tr> <tr> <td>6</td> <td>Area Estates Officer</td> <td>Member</td> </tr> <tr> <td>7</td> <td>Project Manager</td> <td>Member</td> </tr> <tr> <td>8</td> <td>Project Engineer</td> <td>Member</td> </tr> <tr> <td>9</td> <td>Project Surveyor</td> <td>Member</td> </tr> <tr> <td>10</td> <td>Project Env. Officer</td> <td>Member</td> </tr> <tr> <td>11</td> <td>Area Env. Officer</td> <td>Secretary</td> </tr> <tr> <td>12</td> <td>Sr. Hydro Geologist</td> <td>Member</td> </tr> <tr> <td>13</td> <td>Area Survey Officer</td> <td>Member</td> </tr> </table> <p>Environment Management Committee meetings are being held regularly to review the status of EC compliance.</p>	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	Member	9	Project Surveyor	Member	10	Project Env. Officer	Member	11	Area Env. Officer	Secretary	12	Sr. Hydro Geologist	Member	13	Area Survey Officer	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	Member																																							
9	Project Surveyor	Member																																							
10	Project Env. Officer	Member																																							
11	Area Env. Officer	Secretary																																							
12	Sr. Hydro Geologist	Member																																							
13	Area Survey Officer	Member																																							
iii)	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p>	<p>The funds earmarked for environmental protection measures are not being diverted for any other purpose. Till now no capital expenditure and about Rs. 56167060.45 , spent as environmental revenue expenditure, for the period(OCT2022 To MARCH2023) Year wise progress of implementation of environmental protection measures is being reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.</p>																																							
iv)	<p>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</p>	<p>Self environmental audit is being conducted annually and third-party environment audit will be conducted within 3 years.</p>																																							

Cond. No.	Condition	Compliance Status
(j)	Miscellaneous	
i)	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent' s website permanently.</p>	<p>Environmental clearance granted on 09th June, 2022. Advertisement was given on 14.06.2022 in daily Newspaper of vernacular language (Telugu) in “Namaste Telangana” and English daily Newspaper “The Hindu”. And the same was displayed in the project proponent's website permanently https://scclmines.com/env/frmEnvClearance.aspx</p>
ii)	<p>The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.</p>	<p>This copies of EC from MoEFCC, New Delhi vide letter no.23-257/2018IA(III) dated10.06.2022 sent to heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government.</p>
iii)	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on halfyearly basis.</p>	<p>Soft copies of the status of compliance of stipulated EC conditions will be submitted to the respective Regional Offices of the MoEFCC. Soft copies will also be uploaded in MoEF&CC web portal PARIVESH.</p>

Cond. No.	Condition	Compliance Status
iv)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment , Forest and Climate Change at environment clearance portal.	Six-monthly reports on the status of compliance of the stipulated environmental conditions will be submitted on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal. A copy will also be uploaded in MoEF&CC web portal PARIVESH.
v)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	The Environmental Statement in Form-V for every financial year (1st April,2021-31st March,2022) was submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. Latest Form was submitted vide Ltrno.YLD/AGTUG/JKOC/G-29/234 dated 29.09.2022
vi)	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	EC is granted to regularize the expansion of the existing JK OC Project from 2.50 MTPA to 3.50 MTPA. The project authorities have informed to the Regional Office of the MOEFCC vide Ref.No. YLD/AGTUG/JK5OC/G-29/177, dtd.24.08.22
vii)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Will be complied

viii)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert	The commitments and recommendations made in the EIA/EMP report, during Public Hearing and also that during their presentation to the Expert Appraisal Committee are being implemented.
-------	--	--

Cond. No.	Condition	Compliance Status
	Appraisal Committee	
ix)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	JK OCP is proposed to amalgamate with the adjacent 21 Incline mine under the name of JK Coal Mine. After obtaining EC for JK Coal mine from MoEFCC only expansion will be carried out.
x)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xi)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted

xii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Will be followed as per Ministry guidelines.
xiii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	The project authorities will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
xiv)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Conditions under Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter will be enforced.
xv)	The proponent shall abide by all the commitments and recommendations made in the EIA / EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.	All commitments and recommendations made in the EIA / EMP report and also during presentation to the EAC are being complied.


6.	The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection	The project was started after obtaining all necessary clearance /approvals only. Any further condition, if stipulated by the ministry or any other competent authority for environmental protection, will be complied
7.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred , within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	Noted
8.	The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2 nd August, 2017 of Hon 'ble Supreme Court in WP (Civil) No.1 14/2014 in the matter of 'Common Cause Vs Union of India & others.	Noted
9.	The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.	No objection given by Department of Mining and Geology, Telangana State vide letter No. 5928/R1- 1/2018 dated 14.05.2018.


10	This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements	Agreed to comply
11	All the conditions mentioned in Environment Clearance vide Ministry's letter No.J-11015/31/2013-IA-II(M), dated 3 rd March, 2016 for 2.50 MTPA shall also be complied.	The condition wise compliance status is given below


Status of implementation of Environmental Clearance conditions of Jawahar Khani - 5 opencast project- Ministry's letter No.J-11015/31/2013-IA-II(M), dated 3rd March, 2016 for 2.50 MTPA.

I. Specific conditions:


Sl. No.	Condition	Compliance Status																														
(i)	The maximum production from the mine at any given time shall not exceed the limit as prescribed in the Environmental Clearance (EC).	<p>The maximum production from the mine is as below. E.C obtained vide letter –F.No.23-257/2018-IA(III), Dated 09.06.2022.</p> <table border="1"> <thead> <tr> <th colspan="3">Coal production (Mtpa)</th> </tr> <tr> <th>Year</th> <th>EC Capacity</th> <th>Actual</th> </tr> </thead> <tbody> <tr> <td>2015-16</td> <td>2.500</td> <td>2.514</td> </tr> <tr> <td>2016-17</td> <td>2.500</td> <td>2.691</td> </tr> <tr> <td>2017-18</td> <td>2.500</td> <td>2.962</td> </tr> <tr> <td>2018-19</td> <td>2.500</td> <td>3.301</td> </tr> <tr> <td>2019-20</td> <td>2.500</td> <td>3.356</td> </tr> <tr> <td>2020-21</td> <td>2.500</td> <td>2.582</td> </tr> <tr> <td>2021-22</td> <td>2.500</td> <td>2.498</td> </tr> <tr> <td>2022-23</td> <td>-</td> <td>1.879</td> </tr> </tbody> </table>	Coal production (Mtpa)			Year	EC Capacity	Actual	2015-16	2.500	2.514	2016-17	2.500	2.691	2017-18	2.500	2.962	2018-19	2.500	3.301	2019-20	2.500	3.356	2020-21	2.500	2.582	2021-22	2.500	2.498	2022-23	-	1.879
Coal production (Mtpa)																																
Year	EC Capacity	Actual																														
2015-16	2.500	2.514																														
2016-17	2.500	2.691																														
2017-18	2.500	2.962																														
2018-19	2.500	3.301																														
2019-20	2.500	3.356																														
2020-21	2.500	2.582																														
2021-22	2.500	2.498																														
2022-23	-	1.879																														
(ii)	The validity of the EC is for the life of the mine or as specified in the EIA Notification, 2016, whichever is earlier.	The validity of the EC is for the life of the mine																														
(iii)	The Project Proponent will not alter the major channels around the site.	There are no diversions of channels around the project site																														
(iv)	Efforts shall be made to explore the availability of mechanically covered trucks.	Presently the loaded coal tippers are being covered with tarpaulins manually. Availability of mechanically covered trucks is being examined.																														



Sl. No.	Condition	Compliance Status
(v)	All statutory permissions / MoU from Sate Government shall be obtained for transportation of coal by road.	SCCL has obtained all the statutory permissions required for operation of the mine.
(vi)	Coal transportation in pit by tippers, surface to siding by tippers and siding to loading by pay loaders into rail wagons.	Coal transportation in pit by dumpers, pit to surface by conveyor belt and loading by front end pay loaders into rail wagons.
(vii)	The production shall be within the same mine lease area.	Coal is being extracted within the mine lease area only.
(viii)	The OB shall be completely re-handled at the end of the mining.	The OB will be re-handled at the end of the mining as per the EIA/EMP.
(ix)	Final mine void depth will not more than 40m. The void area will converted into water body. The remaining area will be back filled to the ground level and covered about a meter thick top soil and to use.	Final mine void depth will be less than 40m . The void area will be converted into water body. About 36.409M.cum of OB was back filled in the internal dump and 0.3648M.cum of top soil was spread so far. About 27.640Ha of plantation done on the reclaimed OB backfilled area.
(x)	Garland drains to be provided.	Garland drains of 2.0mx2.0m size and 13. KM length have been made for proper collection of water. 
(xi)	Appropriate embankment shall be provided along the side of the river / nallah flowing near or adjacent to the mine.	Appropriate embankment (bottom width 13 m, top width 5m and height 3 m) is provided along the side of the nallah namely (bugga wagu) flowing near to the mine.
(xii)	The land after mining shall be restored for agriculture purpose.	The land after mining will be restored for agriculture purpose.
(xiii)	Mine water should be treated for discharge into the lagoon. The quality of lagoon water shall be regularly monitored and mitigation measures taken.	The mine water is being discharged after settling in the settling ponds. The quality of lagoon water is being regularly monitored and mitigation measures are being taken.




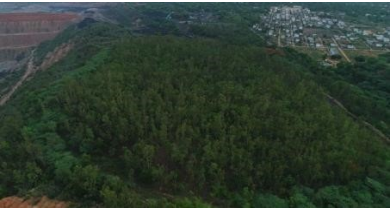
(xiv)	The CSR cost should be Rs 5 per tonne of coal produced which should be adjusted as per the annual inflation.	As per Companies Act, 2013 and Companies Social Responsibility (Policy) Rules - 2014, SCCL is spending 2% of its average annual net profit calculated in accordance with the provisions of Section 198 of the Act made during three immediately preceding financial years in pursuance of its CSR policy on CSR activities each financial year.
(xv)	Everybody in the core area should be provided with mask for protection against fugitive dust emissions.	<p>Persons deployed in mining operations are being provided with dust masks for protection against fugitive dust emissions.</p> 
(xvi)	Dust mask to be provided to every worker in the mining area.	persons deployed in mining operations are being provided with dust masks for protection against fugitive dust emissions.
(xvii)	The supervisory staff should be held personally responsible for ensuring compulsory wearing of dust mask in the core area.	The supervisory staff was already made responsible for ensuring compulsory wearing of dust mask


(xviii)	<p>People working should be in the core area periodically lung tested the for cost me PP. to be t</p>	<p>SCCL is providing free medical treatment to all the workmen and their family members in the 7-area hospital (with a total of 821 beds) and 21 dispensaries established in all the workings areas of the company.</p> <p>The annual expenditure incurred by SCCL in maintenance of health care facilities during 2021-22 is Rs.267.00 Crores.</p> <p>SCCL is also conducting regular health camps in villages located in the vicinity of project to study the health status of the people and is providing free treatment SCCL hospitals.</p> <p>In addition, SCCL established eleven Initial Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., at Kothagudem, Manuguru, Yellandu, Godavarikhani, Sector - III Colony(Godavarikhani),Bellampalli, Ramakrishnapur, Mandamarri, Srirampur Bhupalpally and Sathupalli for conducting IME/PME of the employees including contract employees.</p> <p>All the PME Centres are equipped with necessary infrastructure for carrying out IME/PME and maintenance of data base. Every PME centre is provided with the facility for chest radiographs as per ILO guidelines with a set of ILO standard chest radiographs on Pneumoconiosis, lungfunction 38.311,hatests</p>
(xix)	<p>The mining area should be surrounded by green belt having tree cover with thick closed canopy.</p>	<p>Greenbelt with computerized was developed Spirometres in an area of 268.16 Ha so far as dump plantation, Safezoneandother areætc..</p> 
(xx)	<p>The embankment constructed along the river boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on</p>	<p>One seasonal nallah (903RL) is flowing along the rise of the quarry (909) is surface level of the nallah is 6m below the quarry surface level and effective bund of 3m height</p>



Sl. No.	Condition	Compliance Status
	<p>the river front side and stabilized with plantation so as to withstand the peak water flow and prevent mine inundation.</p>	<p>provided and stone pitching done.</p>


(xxi)	There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.	There is no over flow of OB into the nallah. Massive plantation of about 50m width was done between quarry nallah and bund and sufficient no of settling ponds are constructed for silt removal before letting it out.
(xxii)	OB shall be stacked at two earmarked external OB dumpsite(s) only. The ultimate slope of the dump shall not exceed 28°. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forests & Climate Change and its concerned Regional Office on yearly basis.	<p>No separate external dump is created for the project, about 66.296.Cu.m (Including HOB+Topsoil) of OB removed since inception is dumped in the neighboring JK OCP voids as envisaged in the EMP.</p> <p>Soon after creation of the de-coaled area, the about 36.7738M.Cu.m (Including HOB+Topsoil) OB was dumped in the voids of existing project only.</p> 
(xxiii)	Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development, etc. The drains shall be regularly de silted and maintained properly. Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.	<p>Catch drains and 4 nos. of siltation ponds of appropriate size were provided along the rise side of the quarry for arresting the silt and sedimentation flows from the dumps. These drains are being de-silted regularly before on set of monsoon.</p> <p>Garland drains of around 2.0mX2.0m size and 13.0Km length with suitable gradient were provided around external dump</p> <p>Adequate sump capacity is provided with more than 100% safety margin over and above the peak sudden rainfall and max. discharge in the area adjoining the mine site.</p>

(xxiv)	Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.	<p>2.0mx2.0m toe wall was provided at the toe of the external dumps. The length of toe wall for the dumps is 5.584km, and a length of 4.200 km completed. Balance will be completed soon.</p> 
(xxv)	Crushers at the CHP of capacity for the expansion shall be operated with high bag filters, water sprinkling shall be provided to check emissions from crushing oper conveyor system, haulage transfer points, etc.	<p>JK5 OCP mine was provided with two crushers of 500TPH capacity each. Adequate water/Mist spraying arrangement is provided to control the dust emission at the crushers, discharge points and along the conveyor belts. 3 nos. of 20KL water sprinklers is provided for dust suppression on haul roads and on the surroundings of CHP</p>  <p>Water sprinkling at unloading point</p>

Sl. No.	Condition	Compliance Status
(xxvi)	Drills shall be wet operated.	<p>One drill is presently deployed in the mine and is provided with wet drilling arrangement, which is in operation.</p> 
(xxvii)	The PP shall undertake regular repairing and tarring of roads used for mineral transportation. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads.	<p>Repair and tarring of coal transport roads is done and being maintained. Development of 3-tier green belt along all the major approach roads were done.</p> 
(xxviii)	Controlled blasting shall be practiced with use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.	<p>Controlled blasting is being done using NONELs to control the blast induced ground vibrations and to arrest the fly rock. Blasting is being done during daytime with approved blast design parameters.</p>
(xxix)	Progressive afforestation plan shall be implemented covering an area of 447.44 Ha at the end of mining, which includes reclaimed External OB dump area (247.04 Ha), Internal OB dump area (94.31 Ha) and Green belt (106.09 Ha) and in township located outside the lease by planting native species in consultation with the local DFO / Agriculture Department. The density of the trees shall be around 2500 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mine.	<p>268.16 ha of backfilled area of JKOC (adjacent abandoned mine) was already planted with 15,16,093 plants. The plants (native species) were supplied by the SCCL owned forestry Department. Massive plantation is carried out open spaces in and around the mine and avenue plantation to main approach to the mine</p>  

(xxx)	<p>An estimated total 104.10 Mm³ of OB will be generated during the entire life of the mine. Out of which 57.858 Mm³ of OB will be dumped in 1 external OB Dumps an earmarked area covering 247.04 Ha of land. 46.242 Mm³ of will be one internal OB dump in covering an area of 94.31 Ha. The maximum height of external OB dump will not exceed 90 m and that for soft OB shall not exceed 60 m. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self- sustaining and compliance status shall be submitted to MoEF & CC and its Regional Office on yearly basis.</p>	<p>At present the quantity of OB dumped in external dump is 63.63 M.cum & 2.666M.cum of top soil up to +60m height above ground with decking & proper sloping and subsequently plantation was done. The external OB dumps an covered area is 195.56Ha & the quantity of OB dumped in Back filled area is 36.409M.cum & 0.3648M.cu.m of top soil up to Ground Levels i.e. 910RL & 900RL. And +30m deck above ground level deck The backfilled dumps an covered area is 78.445Ha up to March-2023 and the back filled OB area was reclaimed with plantation on the finished OB decks.</p> <p>During 2022-23</p>  <p>During 2022-23</p>
(xxxii)	<p>The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.</p>	<p>Reclamation plan will be implemented as envisaged in EIA Report.</p>
(xxxii)	<p>Compensatory Ecological Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out.</p>	<p>Being complied.</p>
(xxxiii)	<p>The mining should be phased out in sustainable manner. No extra over burden dumps are permitted.</p>	<p>No external dump is planned in this project as OB is being dumped initially in the voids of adjacent abandoned mine.</p>
(xxxiv)	<p>No groundwater shall be used for mining operations.</p>	<p>Mine water pumped out is being used for all the purposes.</p>
(xxxv)	<p>Of the total quarry area of 149.95 Ha,</p>	


	<p>the backfilled quarry area of 94.31 Ha shall be reclaimed with plantation and a void of 55.64 Ha at a depth of 35 m is proposed to be converted into a water body shall be gently sloped and the upper benches shall be terraced and stabilised with plantation/ afforestation by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.</p>	<p>Is being complied as per the mines closure plan.</p>
(xxxvi)	<p>Regular monitoring of groundwater level and quality shall 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 & Climate Change and to the Central Pollution Control Board quarterly within one month of monitoring.</p>	<p>Regular ground water level monitoring (quarterly) is being done in 3 Nos. of piezometric and 12 Nos. of observation wells. The ground water level monitoring data is being submitted to MoEF&CC and CPCB on half yearly basis.</p>
(xxxvii)	<p>The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.</p>	<p>From long term monitoring of piezometric wells, no significant impact was observed on ground water of the area. However, water supply arrangements were made to meet water requirement of nearby villages and colonies (JK Colony and 24 Colony) through pipe line from filter beds of 47 Level. Presently, there are two water harvesting</p>
		
(xxxviii)	<p>Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.</p>	<p>Suitability of the existing sewage pipeline out at JK Colony examined and installation of STP in the old colony is completed. ETP was provided for base workshop and CHP wastewater.</p>
		



(xxxix)	Besides carrying out regular periodic health check-up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialized agency /institution within the District/State and the results reported to this Ministry and to DGMS.	Besides carrying out regular periodical examination, all EP operators and drivers who are engaged in active mining operations are being sent every year for eye refraction test and audiometric health check up by SCCL Doctors trained in PG course in Industrial Health, Director General of Factory Advise and Labour Institute, Sion, Mumbai.
(xi)	Land oustees shall be compensated as per the norms laid out R&R Policy of CIL or the National R&R Policy or R&R Policy of the State Government whichever is higher.	<p>R&R is implemented as per the state R&R Policy as per GO Ms. No. 68 of State Government.</p> <p>1. 1335 persons from 638 families were identified and R&R benefits were disbursed. The structure valuation amount was paid to PDF's of JK5 OCP who vacated their houses and occupied at R&R colony of JK5OCP.</p> 
(xli)	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) of 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 concerned Regional Office.	Satellite data based land use studies of the entire lease area is being carried out regularly once in 3 years for monitoring land use pattern and post mining land use. Land use for core and buffer zone studies are carried out during 2019 and the report is submitted to MoEF&CC and its Regional Office at Chennai
(xlii)	A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forests & Climate Change within 6 months of grant of Environmental Clearance.	<p>Mining Plan including Mine Closure Plan of existing JK-5 OC was approved by Ministry of coal Itr.no:34011/1/2020-CPAMI, dated 29.10 2020 .</p> <p>Total Mine closure cost is estimated Rs. 50.99 Crores and so far Rs. 58.54Crores were deposited in JK-5OC ESCROW Account No.4010732894 upt to March 2023.</p> <p>(Copy of Mining Plan including Final Mine Closure Plan approval is enclosed at page no 114 and the covering letter regarding the submission of Mining Plan including Final Mine Closure Plan to MoEF&CC is enclosed at page No. 115)</p>




(xliii)	The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	SCCL in consultation with the Panchayats of the local villages and administration has been identifying the socio-economic and welfare measures to be carried out under CSR and are being taken up and Socio economic survey report o JK5OC is submitted on 31-10-2020 through MoEF &CC official email. (ecompliance-tq@gov.in)
(xliv)	Corporate Environment Responsibility	
	a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.	SCCL has laid a well defined environmental policy and its objectives have been approved by SCCL Board of Directors on 11.11.2011 . The environmental policy of SCCL is available in company's web site i.e. www.scclmines.com .
	b) The Environment Policy shall prescribe for standard operating process / procedures to bring into focus any infringements / deviation / violation of the environmental or forest norms/conditions.	The SCCL has a well laid down Environment Policy approved by the Board of Directors prescribing standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. The status of compliance of EC/FC is being appraised to SCCL Board of Directors once in three months as per Companies Act, 2013 by the project authorities.
	c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.	The hierarchical system of monitoring of the compliance of EC conditions and reporting to higher authorities has been established
Sl. No.	Condition	Compliance Status
	d) To have proper checks and balances, the Company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large.	The company has a well laid down system of reporting of non-compliances /violations of environmental norms to the Board of Directors of the company and shareholders as well as status of compliance of other laws, rules, etc. i.e. once in three months under Companies Act, 2013.


II. 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, Forest & Climate Change.	No changes will be made in mining technology and scope of working.																																																						
(ii)	No change in the calendar plan of production for quantum of mineral coal shall be made.	<p>Coal production and OB Removal details :</p> <table border="1" data-bbox="847 439 1445 1245"> <thead> <tr> <th colspan="3" data-bbox="847 472 1161 551">Coal production in MTPA</th> <th colspan="2" data-bbox="1161 439 1445 551">OB Removal in LBCM</th> </tr> <tr> <th data-bbox="847 551 951 607">Year</th> <th data-bbox="951 551 1062 607">Target</th> <th data-bbox="1062 551 1161 607">Actual</th> <th data-bbox="1161 551 1289 607">Target</th> <th data-bbox="1289 551 1445 607">Actual</th> </tr> </thead> <tbody> <tr> <td data-bbox="847 607 951 685">2015-16</td> <td data-bbox="951 607 1062 685">2.500</td> <td data-bbox="1062 607 1161 685">2.514</td> <td data-bbox="1161 607 1289 685">156.505</td> <td data-bbox="1289 607 1445 685">165.2279</td> </tr> <tr> <td data-bbox="847 685 951 763">2016-17</td> <td data-bbox="951 685 1062 763">2.500</td> <td data-bbox="1062 685 1161 763">2.691</td> <td data-bbox="1161 685 1289 763">149.214</td> <td data-bbox="1289 685 1445 763">159.4052</td> </tr> <tr> <td data-bbox="847 763 951 842">2017-18</td> <td data-bbox="951 763 1062 842">2.500</td> <td data-bbox="1062 763 1161 842">2.962</td> <td data-bbox="1161 763 1289 842">98.384</td> <td data-bbox="1289 763 1445 842">86.875</td> </tr> <tr> <td data-bbox="847 842 951 920">2018-19</td> <td data-bbox="951 842 1062 920">2.500</td> <td data-bbox="1062 842 1161 920">3.301</td> <td data-bbox="1161 842 1289 920">109.782</td> <td data-bbox="1289 842 1445 920">78.0527</td> </tr> <tr> <td data-bbox="847 920 951 999">2019-20</td> <td data-bbox="951 920 1062 999">2.500</td> <td data-bbox="1062 920 1161 999">3.356</td> <td data-bbox="1161 920 1289 999">135.166</td> <td data-bbox="1289 920 1445 999">120.298</td> </tr> <tr> <td data-bbox="847 999 951 1077">2020-21</td> <td data-bbox="951 999 1062 1077">2.500</td> <td data-bbox="1062 999 1161 1077">2.582</td> <td data-bbox="1161 999 1289 1077">118.500</td> <td data-bbox="1289 999 1445 1077">95.646</td> </tr> <tr> <td data-bbox="847 1077 951 1155">2021-22</td> <td data-bbox="951 1077 1062 1155">2.500</td> <td data-bbox="1062 1077 1161 1155">2.498</td> <td data-bbox="1161 1077 1289 1155">9.266</td> <td data-bbox="1289 1077 1445 1155">3.677</td> </tr> <tr> <td data-bbox="847 1155 951 1245">2022-23</td> <td data-bbox="951 1155 1062 1245">1.450</td> <td data-bbox="1062 1155 1161 1245">1.879</td> <td data-bbox="1161 1155 1289 1245">3.730</td> <td data-bbox="1289 1155 1445 1245">3.573</td> </tr> </tbody> </table>					Coal production in MTPA			OB Removal in LBCM		Year	Target	Actual	Target	Actual	2015-16	2.500	2.514	156.505	165.2279	2016-17	2.500	2.691	149.214	159.4052	2017-18	2.500	2.962	98.384	86.875	2018-19	2.500	3.301	109.782	78.0527	2019-20	2.500	3.356	135.166	120.298	2020-21	2.500	2.582	118.500	95.646	2021-22	2.500	2.498	9.266	3.677	2022-23	1.450	1.879	3.730	3.573
Coal production in MTPA			OB Removal in LBCM																																																					
Year	Target	Actual	Target	Actual																																																				
2015-16	2.500	2.514	156.505	165.2279																																																				
2016-17	2.500	2.691	149.214	159.4052																																																				
2017-18	2.500	2.962	98.384	86.875																																																				
2018-19	2.500	3.301	109.782	78.0527																																																				
2019-20	2.500	3.356	135.166	120.298																																																				
2020-21	2.500	2.582	118.500	95.646																																																				
2021-22	2.500	2.498	9.266	3.677																																																				
2022-23	1.450	1.879	3.730	3.573																																																				
(iii)	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM ₁₀ , PM _{2.5} , SO ₂ and NO _x monitoring. 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. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.	<p>Four ambient air quality monitoring stations were established in the core zone and four in the buffer zone for monitoring PM₁₀, PM_{2.5}, SO₂ and NO_x and heavy metals such as Hg, Pb, Cr, As etc in consultation with Regional Office, TS Pollution Control Board, Kothagudem.</p> 																																																						
(iv)	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ and NO _x) and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its	Results of the ambient air quality monitoring are being submitted to MoEF&CC Regional Office, Bangalore and TS PCB once in six mont																																																						

Sl. No.	Condition	Compliance Status
	<p>concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognized under the EPA rules, 1986 shall be furnished as part of compliance report.</p>	
(v)	<p>Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.</p>	<p>Adequate measures are being taken for control of noise levels below 85 dB (A) in the work environment, like procurement of HEMM with sound proof operators cabins, periodical planned preventive maintenance of HEMM & other transport vehicles at regular intervals as per schedules submitted by OEM, development of thick green belt around the project to act as an attenuator in reducing noise to ambient atmosphere, controlled blasting with nonels etc .</p> <p>Workers being engaged in drilling and blasting operations, operation of HEMM and other activities having noisy environment are being provided with ear plugs.</p>
(vi)	<p>Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform 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>Industrial waste water (waste water from the mine and work shop) is being properly collected, treated so as to conform 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 is provided before discharge of workshop effluents. The out let of the ETP is being monitored periodically the effluents are conforming to the prescribed standards .</p> <p>The treated effluents of workshop is being re-used for rising plantation in office and workshop area.</p> 
Sl. No.	Condition	Compliance Status
		ETP at JK5 OC

<p>(vii)</p>	<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>Vehicular emissions were monitored on 15.11.2022, &10.11.2022 and emissions are under control.</p>  <p><u>Vehicular emission monitoring</u></p> <p>Coal transporting trucks are being optimally loaded and covered with tarpaulins.</p>  <p><u>Covering of Tarpaulin</u></p>
<p>(viii)</p>	<p>Monitoring of environmental quality parameters shall be carried out through of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analyzed through a laboratory recognized under EPA Rules, 1986.</p>	<p>Monitoring of environmental quality parameters is being carried out through qualified external agency EPTRI, which has established a regional laboratory at Kothagudem.</p> 
<p>(ix)</p>	<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>Personnel working in dusty areas are being provided with protective dust respirators. Adequate training and information on safety and health aspects is being imparted during refresher training programmes and safety/health talks</p>

Sl. No.	Condition	Compliance Status																								
																										
(x)	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 and records maintained thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.	Occupational health surveillance is being carried out periodically through periodical medical examination once in 3 years for workers of more than 45 years and 5 years for workers of less than 45 years of age. Vehicles which fail the emission tests are being subjected to further maintenance.																								
(xi)	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>Separate environmental management cell at corporate with suitable qualified personnel was setup under the control of a General manager who directly report to director of the company established to monitor and guide in implementation of the environmental safeguards.</p> <p>At unit level Environmental Management committee has been constituted with following members.</p> <table border="0"> <tr> <td>1. Project Officer</td> <td>: Chairman</td> </tr> <tr> <td>2. Env. Officer</td> <td>: Secretary</td> </tr> <tr> <td>3. Mine Manager</td> <td>: Member</td> </tr> <tr> <td>4. Mine Safety Officer</td> <td>: Member</td> </tr> <tr> <td>5. Project Env. Incharge</td> <td>: Member</td> </tr> <tr> <td>6. Area Sr. Forest officer</td> <td>: Member</td> </tr> <tr> <td>7. Project Survey Officer</td> <td>: Member</td> </tr> <tr> <td>8. Project E&M Engineer</td> <td>: Member</td> </tr> <tr> <td>9. Area Civil Engineer</td> <td>: Member</td> </tr> <tr> <td>10. Region Hydro geologist</td> <td>: Member</td> </tr> <tr> <td>11. Area Estates manager</td> <td>: Member</td> </tr> <tr> <td>12. Area Survey Officer</td> <td>: Member</td> </tr> </table>	1. Project Officer	: Chairman	2. Env. Officer	: Secretary	3. Mine Manager	: Member	4. Mine Safety Officer	: Member	5. Project Env. Incharge	: Member	6. Area Sr. Forest officer	: Member	7. Project Survey Officer	: Member	8. Project E&M Engineer	: Member	9. Area Civil Engineer	: Member	10. Region Hydro geologist	: Member	11. Area Estates manager	: Member	12. Area Survey Officer	: Member
1. Project Officer	: Chairman																									
2. Env. Officer	: Secretary																									
3. Mine Manager	: Member																									
4. Mine Safety Officer	: Member																									
5. Project Env. Incharge	: Member																									
6. Area Sr. Forest officer	: Member																									
7. Project Survey Officer	: Member																									
8. Project E&M Engineer	: Member																									
9. Area Civil Engineer	: Member																									
10. Region Hydro geologist	: Member																									
11. Area Estates manager	: Member																									
12. Area Survey Officer	: Member																									
(xii)	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 concerned Regional Office.	<p>The funds earmarked for the environmental safeguards are being kept in separate account and are not being diverted for other purpose.</p> <p>Year wise expenditure is being reported to the Ministry and its Regional Office of MoEF&CC .</p>																								

(xiii)	The PP 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 issue of EC letter informing that the project has been accorded environmental clearance and a copy of the EC letter is available with the State Pollution Control Board and may also be seen at the website of the Ministry of Environment, Forests & Climate Change at http://envfor.nic.in	Advertisement was given 30.03.2016 in Sakshi in Telugu and The Hindu in English daily newspapers.
(xiv)	A copy of the EC letter shall be marked to concern Panchayat / Zilla Parishad, Municipal Corporation or Urban local body and local NGO, if any, from whom any suggestion / representation has been received while processing the proposal. A copy of the EC letter shall also be displayed on company's website.	EC letter was displayed on company's website from 15.03.2016.
(xv)	A copy of the EC letter shall be shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.	TSPCB was requested vide Lr.No. CRP/ENV/A/417/168 dated 12.03.2016 and the same was compiled by TSPCB. The EC letter was also displayed at the Regional Office, District Industry Sector and Collector's Office / Tehsildar's Office as stipulated.
(xvi)	The EC letter shall be uploaded on the company's website. The compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM ₁₀ , PM _{2.5} , SO ₂ and NO _x (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.	The EC letter was uploaded to company's website on 15.03.2016. EC compliance status of expansion project is being uploaded periodically on the official website. The monitoring data of all environmental quality parameters is kept available in the project premises and mine office, corporate office and on company's website.

(xvii)	The PP shall submit six monthly compliance reports on status of compliance of the stipulated EC conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Office s of CPCB and the SPCB.	The six monthly compliance reports on status of compliance of the stipulated EC conditions (both in hard copy and in e-mail) are being regularly sent to the respective Regional Office of the Ministry, respective Zonal Office s of CPCB and the SPCB.
(xviii)	The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The PP shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.	Project Authorities will extend full co-operation to the Office(s) of the regional Office by furnishing the requisite data / information/monitoring reports.
(xix)	The Environmental Statement for each financial year ending 31 March in Form - V is mandated to be submitted by the PP for the concerned State Pollution Control Board as prescribed under the Environment(Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.	Environmental Statement for each financial year ending 31 st March in Form - V being regularly submitted to SPCB and also uploaded to Company's website along with the status of compliance of EC conditions.
6.	The PP shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	The PP will abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.
7.	The commitment made by the project proponent to the issue raised during Public Hearing shall be implemented by the proponent.	The commitment made by the project proponent to the issue raised during public hearing are being implemented.
8.	The project proponent shall obtain all necessary clearances / approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	The project proponent has obtained all necessary clearances / approvals that may be required before the start of the project. Any further condition stipulated by the ministry or any other competent authority for environmental protection will be complied.
9.	The PP shall set up an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.	The PP has set an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.

10.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this EC and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
11.	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 and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter. The PP shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.	Noted. Taken Public Liability Insurance (Policy No.61360136233300000001) which is valid from 30/04/2023 to 29/04/2024
12.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
13.	The EC supersedes. Earlier EC conditions vide letter NO.J-11015/358/2006-1A.II(M)	Noted

C.Plantation Plan

