



THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)
Environment Department
KOTHAGUDEM AREA

Ref.No: KGM/ENV/402/ 115

Date: 23.05.2025

To
The Regional Officer,
Sub – office, MoEF &CC, Gol
3rd Floor, Aranya Bhavan,
Saifabad,
HYDERABAD - 500004.
Telangana(State).

Sub: Half Yearly Environmental Monitoring report (Oct'2024–Mar'2025) of Padmavathi Khani Project (PVK-5 Incline), underground coal mine of SCCL – Reg.

Ref: 1.MoEF&CC, Gol Lr. No. J-11015/27/88-IA-II (M) dated 9th June 2021.

2. MoEF&CC, Gol Lr. No. J-11015/27/88-IA-II (M) dated 23rd October 1992.

With reference to the subject and environmental clearance letters cited above, please find enclosed the soft copies of the status of implementation of environmental conditions vis-à-vis project progress of Padmavathi Khani Project (PVK-5 Incline) for the half yearly period ending on 31st Mar' 2025.

Yours faithfully

General Manager
Kothagudem Area
The S.C.Co.Ltd.
Venkateshkhani - (P.O)
Bhadradi Kothagudem - (Dist.)
PIN - 507 103.

Encl: Half yearly compliance report of Padmavathi Khani No-5 Incline. **General Manager**

CC: EE, TSPCB, RO, Kothagudem.
GM (Env.),Corp.
PO/Agent, UG Mines.

The S.C.Co.Ltd.,
KOTHAGUDEM AREA
Venkateshkhani Post-507 103
Bhadradi Kothagudem Dt. T.S



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KOTHAGUDEM AREA
Venkateshkhani Post-507 103
Bhadradri Kothagudem Dt. T.S

HALF-YEARLY MONITORING REPORT

(In compliance with EIA notification 2006 under Environment (Protection) Act)

FOR

Padmavathi Khani Project(PVK-5 Incline)
(KOTHAGUDEM AREA)

(For the period 1st Oct' 2024 –31st Mar' 2025)



THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVERNMENT COMPANY)

KOTHAGUDEM AREA

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PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025



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

PART – I

A. SALIENT FEATURES OF THE PROJECT:

1. Name of the Project	:	Padmavathi Khani No.5 Incline Underground Mine
2. Organization	:	Singareni Collieries Company Limited
3. Coalfield	:	Godavari Valley Coal Field
4. Type of Mine	:	Underground Coal Mine
5. Technology	:	Bord & Pillar with Continuous Miner (CM) and Load Haul Dumper (LHDs) Technology.
6. Environmental Clearance		
A. Letter No & date	:	J-11015/27/88-IA-II (M) dated 9 th June 2021.
B. Sanctioned Capacity	:	0.825 MT
C. Mining Lease Area.	:	916.48 ha.
D. Date of Public Hearing	:	29.12.2020
7. Location of the Project		
A. Village	:	Rudrampur
B. Tehasil / Mandal	:	Kothagudem
C. District	:	Bhadradi Kothagudem
D. State	:	Telangana
E. Latitude	:	N 17o28'49" to 17o31'32"
F. Longitude	:	E 80 39' 24" to 80 41' 32"
G. Topo Sheet	:	65-C/10/11.
H. Nearest railway station	:	Kothagudem
I. Nearest Airport	:	Gannavaram - Vijayawada
J. Nearest town	:	Kothagudem
8. Address for Correspondence		
A. Name	:	B.Ravindar.
B. Designation	:	Dy. General Manager
C. Address	:	Agent, PVK No.5 Incline & VK No.7 Incline Mines, Rudrampur(Post), Kothagudem(Mandal), Khamam (District), T.S.
D. PIN Code	:	507103
E. E-mail ID	:	agt_pvk5_kgm@scclmines.com
F. Telephone No.	:	Ph: 08744-250253: Mobile No:9491145282
G. Fax No.	:	08744-250536
9. Life of the Project		7 years
A. Date of Opening	:	19.03.1952
B. Total Life of the project as per EMP	:	36 Years
C. Balance Life	:	07 Years
10. Seams		
A. No. of Seams Present	:	6 No's.
B. Seams being worked	:	1 (King Seam)

PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025

11.	Depth	
	A. Minimum Depth	: 250 m
	B. Maximum Depth	: 450 m
	C. Present working depth	: 418 m
12.	Reserves	
	A. Total Geological Reserves	: 331.47 MT
	B. Total Extractable Reserves	: 49.32 MT
	C. Reserves already Extracted	: 40.7781 MT
	D. Balance Reserves	: 8.1191 MT
	E. Coal production during last 6 months	: 0.079 MT
13.	Land Requirement	
	A. Total Requirement	: 916.48 Ha
	B. Forestland Involved	: 768.99 Ha. (Diverted with UG rights of which 0.9 Ha diverted for surface rights)
	C. Non-forestland	: 147.49 Ha. (Govt land acquired by SCCL before FC act).
14.	Statutory Clearances	
15.	A. Consent for Establish	Order No.03/TSPCB/CFE/KGM/RO-KGM/HO/2021, Dt.23.11.2021.
	B. Consent for Operation	: Consent Order No. 220523307889, dt. 15.02.2022 and valid up to 30.09.2026.
	C. Forest Clearance from MoEF&CC	: GOI MOEF Itr.no. 8-277/85-FC 17.02.2009 and (Surface rights) GOI MOEF Itr.no. 8-277/85-FC 18.08.2008.
	D. Mining Lease (GO MS Nos.)	: 2 nd renewal of Kothagudem Mining Lease, G.O. Ms. No. 324 (I&C) M-III; Dt. 12.12.2008 and valid up to 26.04.2029.
16.	R & R Involved	: Nil



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PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025
STATUS OF IMPLEMENTATION OF MoEF ENVIRONMENTAL CLEARANCE CONDITIONS of
Padmavathi Khani No.5 Incline Lr. No: J-11015/27/88-IA-II(M), Dt.9th June, 2021) for the
period ending on 31.03.2025.

3. Specific conditions:

Cond. No.	Condition	Compliance
(i)	Effective safeguard measures for prevention of dust generation and subsequent suppression like regular water sprinkling shall be carried out in areas prone to air pollution. The Fugitive dust emission from all sources shall be regularly controlled by installation of required equipment's. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.	Complied Water spraying is being carried out for dust suppression at working places, internal approach roads and in the other parts of the mining lease to arrest the fugitive dust emission. Monitoring of air pollution is being carried out through an external agency viz., M/s Environment Protection Training and Research Institute (EPTRI), Hyderabad, a MoEF&CC/CPCB recognized and NABL accredited laboratory, the results are well within the standards and the monitored data is being submitted to regulatory authorities, MoEF&CC and TSPCB along with the half yearly reports.
(ii)	PP to install 2 continuous ambient air quality monitoring station at suitable location preferably one village side and with consultation of SPCB. The real time data so generated shall be uploaded on company website. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.	Complied One CAAQMS is installed in the core zone of the project and another CAAQMS installed in buffer zone in consultation with TSPCB and real time data for the installed CAAQMS is being uploaded on TSPCB website. The CAAQMS data is being submitted along with half yearly reports to the ministry and its regional office of MoEF&CC. Last 6 months data of core zone and buffer zone values are enclosed as Appendix PVK-1A.
		
(iii)	No CTO shall be granted without taking permission from Ground Water Authority in case of using ground water.	Complied Ground water clearance was obtained from State Ground Water Department Vide Memo No.258/T/SCCL/2018-2, Dt. 25.05.2021 and is valid up to 24.05.2026. (Appendix PVK-1)

PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025

Cond. No.	Condition	Compliance
		After obtaining ground water clearance CTO was granted by TSPCB vide consent order NO.220523307889, dt. 15.02.2022 and valid up to 30.09.2026. (Appendix PVK-2).
(iv)	5 nos. of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution.	Complied Fog canons installed at the Rudrampur CHP to reduce the impact of air pollution.
(v)	Adequate effectiveness of EMP should be analyzed from the offset/hike of air pollution data from continuous monitoring stations and quarterly report shall be generated and submitted with 6 monthly compliance report to RO, MoEF&CC.	Complied The continuous air quality monitoring is being carried out and quarterly report is generated, all the air quality monitoring results are within the standards. The monitored data is being submitted to regional office of MoEF&CC once in every 6 months through six- month compliance report on Parivesh portal.
(vi)	Third party monitoring (by NEERI/CIMFR/IIT/NITs) for air quality shall be carried out at identified locations, both ambient and the process area, to arrive the impact at regular interval of 3 years.	Agreed to comply Self environmental audit is being conducted annually and third-party environment audit was conducted by ICFRE, Dehradun in 2023 and the report is enclosed at Appendix PVK-3 .
(vii)	Project proponent to plant 150,000 nos. of native trees with broad leaves along the transportation route in three years to prevent the effect of air pollution. After completion of tree plantation, number of trees shall be duly endorsed from District Forest Officer.	Agreed to comply Coal from mine to CHP is being transporting through conveyor belts and no transportation of coal is being made through road mode. In the proposed VK Coal Mine project the existing RCHP will be shifted. After shifting the coal will be transported from PVK-5 Incline to RCH by rode mode then plantation will be taken up along the transport route to comply the condition.
(viii)	Fund allocated in Wildlife Conservation Plan for schedule I species shall be deposited within six months of issue of EC letter. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.	Partially Complied. 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. 478.60 Lakhs, vide Ltr No. Prl CCF (HoFF), TS, Hyderabad, Rc.No. 5694/2021/WL-1, Dt.12.10.2021. For implementation of the Wild life conservation plan, SCCL deposited Rs. 478.60 Lakhs on 24.03.2022 in favour of State Forest Department into Bio-diversity Conservation Society of Telangana (BIOSOT). District Forest Officer, Bhadradi Kothagudem has prepared an action plan for the period of 5 years (2024-25 to 2028-29) in co-ordination with the chief conservator of forests, Bhadradi Circle, Warangal for the proposed diversion of 649.3014 ha.with an

PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025

Cond. No.	Condition	Compliance
		amount of Rs.731.60 Lakhs. (Appendix PVK-4).
(ix)	Transportation of coal shall by closed conveyor belts in mine pit to siding through Rudrampur Coal Handling Plant (RCHP).	Complied Coal transportation from mine to Rudrampur Coal Handling Plant (RCHP) is being carried out by closed conveyor belts.
(x)	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	Complied Continuous monitoring of occupational safety and other health hazards is being carried out and the corrective measures are being taken. All the workmen are trained in vocational training centers for improving safety in the work places and are undergo periodical medical examinations at regular intervals to monitor health hazards.
(xi)	Effective mitigation measures shall be implement to prevent any subsidence studied by Anna University.	Complied De- pillaring with stowing is being practiced to prevent the subsidence and regular subsidence monitoring is also being carried out as per the recommendations of the subsidence studied by Anna University. At present only development operations are being carried out.
(xii)	No untreated mine water shall be discharged in nearby tanks and online monitoring of water quality shall be installed.	Complied The discharged mine water is being treated in slow sand filter beds and is being monitored by third party agency viz., Environment Protection Training and Research Institute (EPTRI), Hyderabad, a MoEF&CC/CPCB recognized and NABL accredited laboratory and the monitored data is within the standards. The monitored data is being submitted to regulatory authorities, MoEF&CC and TSPCB on regular basis along with the half yearly monitoring report. The latest effluents monitoring reports are enclosed at Appendix PVK-5.
(xiii)	Effect to mining under Tella Vagu shall be studied in six months and accordingly its report including mitigation measures shall be submitted to Ministry's Regional Office.	Complied Study on effect to mining under Tella Vagu was carried out by M/s Indian institute of Technology(BHU) and mitigation measures suggested in the report are being implemented.The study report is enclosed at Appendix PVK-6 .
(xiv)	Continuous monitoring of gaseous concentration shall be monitored in outgoing ventilation.	Complied Regular monitoring of gaseous concentration is in the mine return air is being carried out as per DGMS guidelines. The return air monitoring report is enclosed at Appendix PVK-7 .
(xv)	Project proponent shall supply clean drinking water and for domestic purpose for the people	Complied

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Cond. No.	Condition	Compliance
	coming under the zone of influence of this mining activity.	SCCL is supplying clean drinking water to its residential colonies and surrounding needy villages as per the requirement besides Govt of Telangana's water supply scheme mission Bhagirath.
(xvi)	Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.	<p>Complied</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>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 Centers 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 documentation of Pneumoconiosis in accordance with the ILO classification for Pneumoconiosis according to DGMS guidelines.</p> <p>All the PME Doctors employed except gynecologists, pediatricians, surgeons and ortho surgeons are trained to read PME X-Rays 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.</p> <p>SCCL has one Occupational Diseases Board (Pneumoconiosis Board) in existence since 1965.</p>

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Cond. No.	Condition	Compliance
		<p>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>
(xvii)	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.	<p>Complied</p> <p>Persons of nearby villages are given training on livelihood and skill development to make them employable through VTC's under CSR scheme.</p> <p>So far 7150 no's un employed youth were given training and about 2856 unemployed were given employment in the different contract works.</p>
(xviii)	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.	<p>Complied</p> <p>This mine is an underground coal mine and illumination is provided in the underground working as per the DGMS guidelines and the underground illumination and noise does not have any effect on the surrounding villages. Moreover, there is no village within 2 km radius of the mine entries(offices). Hence there will not be any effect of illumination and noise on the surroundings.</p>
(xix)	PP shall implement rain water harvesting mechanism in order recharge the ground water or as water conservation measure in addition to the proposed structure. PP shall carry out regular monitoring of Ground water level and quality.	<p>Complied</p> <p>Rain water harvesting around 20 were constructed around the project in order to recharge the groundwater. Regular monitoring of Ground water level and quality is being carried out as per statute. The ground water level and quality monitoring report is enclosed at Appendix PVK-8 & 9.</p>
(xx)	The PP shall submit time bound action plan to the concerned Regional Office of Ministry within 6 months from the date of issuance of EC for undertaking the activities committed during the Public Consultation.	<p>Complied</p> <p>The activities taken up as per the commitments during the public hearing were submitted to regional Office of MoEF&CC along with the Half yearly reports. The following works were carried out as per the public hearing commitments.</p>


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Cond. No.	Condition	Compliance		
	S.No.	Village	Development work	Amount (Lakhs)
	1	Rudrampur	Laying/ repair of CC Roads (100 mtrs)	5.30
			Open gym	5.00
			Vechile for Garbage collection	11.00
			Furniture in School	1.00
	2	Penagaddapa	Laying/ repair of CC Roads (500 mtrs)	26.50
			CC Drains (250 mtrs)	10.00
			Vechile for Garbage collection	11.00
			Furniture in School	2.50
			ZPHS school repair	13.00
	3	Ramavaram	Laying/ repair of CC Roads (100 mtrs)	5.30
			Open Gym	5.00
	4	Sitampet	Laying/ repair of CC Roads (100 mtrs)	5.30
	5	Gareebpeta	Laying/ repair of CC Roads (100 mtrs)	5.30
	6	3 Incline	Laying/ repair of CC Roads (100 mtrs)	5.30
	7	Rampur	Laying/ repair of CC Roads (100 mtrs)	5.30
	Total			94.50
(xxi)	The Project Proponent shall complies with all the statutory requirements and 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. State Government shall ensure that the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 20 14 in the matter of Common Cause versus Union of India and Ors.		Not applicable No illegal mining was done in this project. Hence, it is not applicable.	
4 . (a)	Statutory compliance			
(i)	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.		PP has agreed to comply.	

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Cond. No.	Condition	Compliance
(ii)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Complied The forest land involved in the project is 768.99 ha for which diversion with underground rights was obtained vide F.No.8-277/85-FC Dt. 17-02.2009. Out of 768.99 ha, 0.90 ha of FL was diverted with surface rights vide F.No-8-277/1985FC (Vol.I) dated: 15.10.2019 and 2.85 ha of FL was diverted with surface rights vide F.No-8-277/1985FC (Vol) dated 11.07.2024. The forest diversion letters are enclosed at Appendix PVK-10.
(iii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable. There are no Wildlife sanctuaries within 10 km from the project.
(iv)	The project proponent shall prepare a Site-Specific Conservation Plan I Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site- Specific Conservation Plan I Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area.	Partially Complied 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. 478.60 Lakhs, vide Ltr No. Prl CCF (HoFF), TS, Hyderabad, Rc.No. 5694/2021/WL-1, Dt.12.10.2021. For implementation of the Wildlife conservation plan, SCCL deposited Rs. 478.60 Lakhs in favour of State Forest Department into Bio-diversity Conservation Society of Telangana(BIOSOT). District Forest Officer, Bhadradi Kothagudem has prepared an action plan for the period of 5 years (2024-25 to 2028-29) in co-ordination with the chief conservator of forests, Bhadradi Circle, Warangal for the proposed diversion of 649.3014 ha. with an amount of Rs.731.60 Lakhs.
(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.	Complied Consent to Establish was obtained vide Order No.03/TSPCB/CFE/KGM/RO-KGM/HO/2021, dt. 23.11.2021(Appendix PVK-11) and also obtained Consent to Operate vide order No.220523307889, Dt.15.02.2022 and valid up to 30.09.2026.(Appendix PVK-2)
(vi)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Complied Ground Water clearance was obtained from State Ground Water Department Vide Memo No.258/T/SCCL/2018-2, Dt. 25.05.2021 for drawing ground water for project activities and is valid up to 25.05.2026.(Appendix PVK-1)
(vii)	Solid waste/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016 I Hazardous & Other Waste Management	Complied Solid/ hazardous waste generated in the mines are being disposed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other


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Cond. No.	Condition	Compliance
	Rules, 2016.	<p>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 off 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>
(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 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>Complied</p> <p>Ambient Air Quality Monitoring Station as prescribed in the statute were established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x. The latest air quality monitoring report is enclosed at Appendix PVK-12.</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> <p>Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc are being carried out once in six months and the results and data being submitted along with half yearly reports to the ministry and its regional office of MoEF&CC.ministry and its regional office of MoEF&CC.</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.</p>	<p>Complied</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),</p>



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Cond. No.	Condition	Compliance
	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.	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. 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 MoEF&CC. The latest heavy metals monitoring data is enclosed at Appendix PVK-13 .
(iii)	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.	Complied Transportation of coal from the working face to the RCHP is being done by covered conveyors. Regular water sprinkling/mist spraying are being carried out at transfer points, loading and un loading points to arrest fugitive dust emissions. The Ambient Air Quality parameters are within the prescribed norms by the Central/State pollution Control Board. The latest air quality monitoring report is enclosed at Appendix PVK-12 .
(iv)	Major approach roads shall be black topped and properly maintained.	Complied All major approach roads of this mine were black topped.
(v)	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.	Agreed to Comply 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 conveyor only. The copy of the approved mining plan is at Appendix PVK-14 .
(vi)	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Not applicable. The coal from the working face to RCHP is transported through the conveyor belts only, hence no vehicles are used or transportation and on vehicular emission.
(vii)	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyor s shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air	Complied Coal stock yard, crusher and feeder breakers at RCHP are provided with water/mist spray arrangements. Belt-conveyors were fully covered to avoid air borne dust. Side cladding all along the conveyor gantry


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	borne dust. Drills shall be wet operated or fitted with dust extractors.	was made to avoid air borne dust.
(viii)	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 parameters.	Complied Coal Handling Plant at RCHP is provided with mist sprayers and Belt conveyors were provided with water spraying arrangements along the belt conveyor.
(c)	<u>Water quality monitoring and preservation</u>	
(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.	Complied The effluent discharge (mine discharged water) 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 Telangana State Pollution Control Board. The latest effluent monitoring report is enclosed at Appendix PVK-5 . 
(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/ I/2006-IA. II(M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be refer red in this regard for its compliance.	Complied The monitoring data is being uploaded on the company's website (https://scclmines.com/env/frmEnvCompliance.aspx) and displayed at the project site at a suitable location. 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 MoEF&CC/RO.	Complied Regular monitoring of ground water levels and ground water quality of the existing mines are being carried out by establishing a network of nineteen (13) existing wells and seven (03) piezometers. The ground water levels and ground water quality monitoring report is encloses at Appendix PVK-8 & 9 .

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Cond. No.	Condition	Compliance
		 <p>17 Dec 2024 10:59:05 17°27'44.814"N 80°40'16.097"E Penagadapa Villane</p>
(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.	<p>Complied</p> <p>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.</p>  <p>5 Oct 2024 11:07:10 17°28'3.76"N 80°41'25"E Chandra Kunta Tellavagu Upstream</p>
(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>Complied</p> <p>Only seepage water pumped out of the project is being utilized for mining operations. De-silting of nearby tanks were taken up for augmentation of ground water resources. 20 No's rain water harvesting pits were constructed around the project for augmentation of ground water resources.</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 dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.	<p>Not applicable.</p> <p>There is no alteration of water channels proposed for this project.</p>
(vii)	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft	<p>Complied</p> <p>CC drains of adequate size, gradient and length were</p>

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Cond. No.	Condition	Compliance
	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.	constructed around the mine shaft, Inclines and other areas. In underground workings sufficient sump capacity is provide for proper settling of silt material before discharging to surface streams.
(viii)	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly	Complied The water pumped out from the mine, after siltation, is being utilized for water spraying for dust suppression, domestic use and for green belt development etc. The drains are being regularly de-silted before and after monsoon season and maintained properly.
(ix)	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.	Complied Water quality of mine discharge water is being monitored at regular intervals before discharging into natural water course and results are in prescribed standards. STP (1.5 MLD) is constructed at Rudrampur Colony, Kothagudem. The latest discharged water quality is enclosed at Appendix PVK-5 .
		
(x)	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.	Complied Seepage water from the mine is collected in a sump where the suspended solids settle down to a large extent. Excess water is discharged out into local drainage which reaches the nearby Nallah i.e. Tellavagu which helps in augmentation of groundwater. Further 20 No's Rain Water Harvesting Pits with a

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Cond. No.	Condition	Compliance
		cost of Rs. 40 Lakhs were constructed around the project boundary. 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..
		
(xi)	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond /lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/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.	Complied 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. Therefore, there is no proposal of construction of embankment and there is no of any inrush of water.
(xii)	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 I water resource department in the state government.	Not applicable. There are no rivers in and around the mine.
(d)	<u>Noise and Vibration monitoring and prevention</u>	
(i)	Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in	Complied Aadequate measures are being taken for control of noise levels as per Noise Pollution Rules, 2016 in the

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Cond. No.	Condition	Compliance
	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.	work environment. Workers engaged in blasting and drilling operations, etc are being provided with personal protective equipment's (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users is being conducted. Progress in usage of such accessories will be monitored. The latest noise monitoring report is at Appendix PVK-15 .
(ii)	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Complied Noise levels survey is being carried out as per the prescribed guidelines and the monitored results are being submitted along with half yearly reports to the ministry and its regional office of MoEF&CC.
(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.	Complied Mining operations were carried out 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 (MoEF&CC).	Complied There is no change in Mining method, calendar programme and scope of work. Mining operations are being carried out as per the approved MP&MCP by MoC (Appendix PVK-14) GoI and EC was granted by MoEF&CC vide F.No. J-11015/27/88-IA-II(M) Dt. 9th June, 2021.
(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).	Complied Mining operations are being carried out in the existing PVK-5 Inc mine 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.	Complied Adequate ventilation is being provided in the underground as per the Coal Mines Regulations 2017.
(v)	No mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	Complied The forest land involved in the project is 768.99 ha for which diversion with underground rights was obtained vide F.No.8-277/85-FC Dt. 17-02.2009. Out of 768.99 ha, 0.90 ha of FL was diverted with surface rights vide F.No-8-277/1985FC (Vol.I) dated: 15.10.2019 and 2.85 ha of FL was diverted with surface rights vide F.No-8-277/1985FC (Vol) dated 11.07.2024. The forest diversion letters are enclosed at

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Cond. No.	Condition	Compliance
		<u>Appendix PVK-10.</u>
(vi)	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	<p>Agreed to Comply</p> <p>1. Solar Power: Total Solar Power Installed in the SCCL is approximately 234 Mega Watt (MW), out of which installed capacity in Kothagudem Region is approximately 47.50 MW. The current generated by Solar panels are in DC form which are sent to assembly station from every single panels, from there they are sent to the inverter which converts the current to AC form and then it is sent to power up Transformer from where the power is stepped up and then the power is fed to the Transmission grid.</p> <p>2 . Fixing of Energy Meters: 20000 No.s fixed in quarters of SCCL. Target fix in all 46,000 No. of SCCL quarters</p> <p>3. Lighting: 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> <p>4. Energy efficient appliances: Made mandatory to purchase 5 star rated. house hold appliances. Purchased 5 star rated Air conditioners, Refrigerators, Fans, Coolers etc., in SCCL and also made propaganda among the employees.</p> <p>5. Others: In OC mines, proposed to procure mobile Solar Lighting Masts with energy saving LED lights with Battery backup in place of diesel operated DG Set with conventional high capacity lights. Arranged to fix transparent acrylic sheets on roof top to utilize day light. 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).	<p>Complied</p> <p>Land use Land cover study of core & buffer zone was carried out in Aug' 2024 by M/s Greencindia Consulting Private Ltd, New Delhi in August-2024 and submitted to The Regional Officer, Sub-Office, MoEF&CC, Gol, Hyd. vide Ltr No.KGM/ENV/552/16, Dt.14.02.2025.</p>
(ii)	Post-mining land be rendered usable for agricultural/forestry purposes and shall be	<p>Complied</p> <p>It is proposed to amalgamate PVK-5 Incline with the</p>

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	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.	<p>adjacent VK-7 Incline and GK OCP mines under the name of VK Coal Mine (Opencast cum Underground mine) for which MP&MCP was approved by MoC, Gol. Vide 38011/12/2017-PCA, dated 27.01.2020(Appendix PVK-16) and ToR was issued by MoEF&CC vide IA 23-78/2018-IA (III) dated.27.10.2021(Appendix PVK-17), Public Hearing was conducted on 19.04.2022.</p> <p>In this proposed amalgamation project initially VK-7 Incline will be converted into opencast and the PVK-5 incline underground operations will be continued up to 2029-30 later PVK-5 incline will also be converted into opencast mine and the existing voids of the GK OC project will be utilized for dumping of the OB excavated from VK-7 incline area and PVK-5 incline area.</p> <p>EC was awarded by MoEF&CC, vide E.C.Ltr No.IA 23-78/2018-IA(III), Dt.11.04.2025 for the proposed VK Coal Mine the post-mining land use will taken up as per the approved MP&MCP of VK Coal Mine.</p>
(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.	<p>Complied</p> <p>Depillaring operations were carried out with stowing hence no subsidence is observed recently even though regular monitoring of subsidence movement on the surface over and around the working areas is being carried out.</p>
(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 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	<p>Complied</p> <p>About 61000 M3 of Bottom ash was utilized for stowing operation from 2015-16 to 2019-20. At present only development activities are in progress and during de-pillaring operations stowing will be carried out with bottom Ash.</p>

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Cond. No.	Condition	Compliance
(v)	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.	Complied A separate team is constituted for monitoring subsidence and surface mitigation measures are constituted and continuous monitoring & implementation of mitigation measures are being carried out.
(vi)	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	Complied Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground are being carried out to prevent inrush of water in. Till now no such cracks were observed as most of the panels were de-pillared with stowing operations.
(vii)	Native tree species shall be selected and planted over areas affected by subsidence.	Complied 88.74 ha of Plantation was carried out within the project area in addition to the gap plantation carried out in the adjacent forest land. Plantation plan enclosed at Appendix PVK-18 . The following below mentioned native species were used for plantation. Hardwickia binata, Dendrocalamus strictus, Ficus religiosa, Pterocarpus santalinus, Azadirachta indica, Limonia acidissima, Ficus bengalensis, Aegle marmelos, Mitragyna parvifolia, Dalbergia latifolia, Pterocarpus marsupium, Syzygium cumini, Albizzia procera, Terminalia bellarica, Pongamia pinnata, Madhuka indica, Tamarindus indica, Pithecelobium dulce, Sterculia urens, Dalbergia sissoo, Bombax ceiba, Albizzia lebbek.
(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. No grazing land is involved in the core zone of the project.
(g)	Green Belt	
(i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered /endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	Complied As this is an underground mine very minimum surface area was disturbed and project proponent taken all the precautionary measures during mining operation for conservation and protection of flora/fauna..
(ii)	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed	Complied Greenbelt of 88.74 ha. was developed till now. The

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Cond. No.	Condition	Compliance
	all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads.	green belt comprising a mix of native species is being developed all along the major approach/ coal transportation roads. Species planted are: Hardwickia binata, Dendrocalamus strictus, Ficus religiosa, Pterocarpus santalinus, Azadirachta indica, Limonia acidissima, Ficus bengalensis, Aegle marmelos, Mitragyna parvifolia, Dalbergia latifolia, Pterocarpus marsupium, Syzygium cumini, Albizzia procera, Terminalia bellarica, Pongamia pinnata, Madhuka indica, Tamarindus indica, Pithecelobium dulce, Sterculia urens, Dalbergia sissoo, Bombax ceiba, Albizzia lebbek.
(h)	Public hearing and Human health issues	
(i)	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Complied Adequate illumination is being ensured in all mine locations (as per DGMS standards) and monitored.
(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.	Complied 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. 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. In addition, SCCL established eleven Initial Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., atKothagudem, Manuguru, Yellandu, Godavarikhani, Sector - III Colony (Godavarikhani), Bellampalli, Ramakrishnapur, Mandamarri, Srirampur Bhupalpally and Sathupalli for conducting IME/PME of the employees including contract employees. All the PME Centers are equipped with necessary infrastructure for carrying out IME/PME and maintenance of data base. Every PME centre is provided with the facility for chest radiographs as per ILO guidelines with a set of ILO standard chest radiographs on Pneumoconiosis, lung function tests with computerized Spirometres of RMS make, and facilities for Audiometry with pure tone Audiometry equipment. All the Chest radiographs of the Initial and Periodical Medical examinations are being classified for detection, diagnosis and documentation of Pneumoconiosis in accordance with the ILO classification for Pneumoconiosis according to

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		DGMS guidelines. All the PME Doctors employed except gynaecologists, paediatricians, surgeons and ortho surgeons are trained to read PME X-Rays in accordance with ILO classification of Pneumoconiosis.
(iii)	Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Complied All the Persons deployed in dusty atmosphere are being provided with dust masks and adequate training is being provided in the mine vocational training centers on safety and health aspects.
(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.	Complied Skill training as per safety norms specified by DGMS are being provided to all workmen including the outsourcing employees in the Mine Vocational training center Kothagudem 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.	Complied Supply of drinking @ 2 liters per person engaged in the shift as per Coal mine Rules-1955 is being provided at suitable location in the mine.
(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.	Complied Action plan on the issues raised during the public hearing is formulated and implementation is being done. All the tasks/measures as per the action plan with budgetary provision submitted during the public hearing are being undertaken. There are no R&R involved in the project.
(vii)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.II (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.	Agreed to Comply All the mitigation measures provided in Ministry's OM No. Z-11013/5712014-IA.II (M) dated 29th October, 2014, are being implemented.
(i) Corporate Environment Responsibility		
(i)	The company shall have a well laid down environmental policy duly 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 I forest I wildlife norms I conditions. The company shall have defined	Complied The company is having a well laid down environmental policy duly approved by the Board of Directors. The environmental policy is containing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental/ forest/ wildlife norms/conditions.

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Cond. No.	Condition	Compliance																																							
	system of reporting infringements I deviation I violation of the environmental I forest I wildlife norms I conditions and I or shareholders I stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	The company is having a defined system of reporting infringements/deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/or shareholders/stake holders.																																							
(ii)	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>Complied</p> <p>A company level environment cell with qualified personnel headed by General Manager (Environment) who is reportable to the Director of the Company is established to monitor and guide in implementation of the environmental safeguards.</p> <p>An area level environmental cell headed by qualified environmental officer is established and functioning under the control of area General Manager to monitor and guide in implementation of the environmental safeguards.</p> <p>Apart from this, a unit level Environmental Management Committee with multidisciplinary team has been constituted under the chairmanship of SO to GM. The committee has been constituted with following members.</p> <table border="1"> <tr><td>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>	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
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(iii)	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>Complied</p> <p>The funds earmarked for environmental protection measures are not being diverted for any other purpose.</p> <p>For implementing EMP and environmental conditions, responsibilities are being assigned to the concerned unit level and area level officers. Till now about Rs. 2.15 Crore was spent as environment capital expenditure and about Rs. 28.99 Crores (2008-09 to 2024-25) spent as environmental revenue expenditure.</p> <p>Year wise progress of implementation of environmental protection measures is being reported to the Ministry/Regional Office along with</p>																																							

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Cond. No.	Condition	Compliance
		the SixMonthly Compliance Report.
(iv)	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied Self environmental audit is being conducted annually and third-party environment audit was conducted by ICFRE, Dehradun in 2023 and the report is enclosed at Appendix PVK-3 .
(j)	<u>Miscellaneous</u>	
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this s hall also be displayed in the project proponent's website permanently.	Complied Environmental clearance granted on 07th June, 2021. Advertisement was given on 11.06.2021 in daily News paper of vernacular language (Telugu) in "Namasthe Telangana" and English daily News paper "Hans India". And the same was displayed in the project proponent's website (https://scclmines.com/env/frmEnvClearance.aspx) permanently. The paper advertisement is enclosed at Appendix PVK-19 .
(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied This condition was complied immediately after obtaining EC from MoEF&CC, New Delhi vide Lr. No. KGM/ENV/402/2021/144 to 167 dated 10th June, 2021 sent to heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government (Appendix PVK-20).
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied EC compliance status along with monitored data is being uploaded in the company website https://scclmines.com/env/docs/ECS/110031.pdf once in every six months. Soft copies of the sameis being submitted to the respective Regional Offices of the MoEF&CC once in every six months.
(iv)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied Six-monthly reports on the status of compliance of the stipulated environmental conditions are being submitted on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal(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.	Complied The Environmental Statement in Form-V for every financial year (1st April-31st March) was submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. Environmental statement was submitted vide Ltr No.KGM/ENV/402/542/141, Dt.30.07.2024. (Appendix PVK-21).

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Cond. No.	Condition	Compliance
(vi)	The project authorities shall inform to the Regional Office of the MOEF&CC regarding commencement of mining operations.	Not applicable EC is granted to regularize the EC for the existing PVK-5 Incline under Re- Validation category.
(vii)	The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the State Government.	Agreed to comply
(viii)	The project proponent shall abide by all the commitment s and recommendation s made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed to Comply 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.
(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).	Complied It is proposed to amalgamate PVK-5 Incline with the adjacent VK-7 Incline and GK OCP mines under the name of VK Coal Mine (Opencast cum Underground mine) for which MP&MCP was approved by MoC, Gol. Vide 38011/12/2017-PCA, dated 27.01.2020 and ToR was issued by MoEF&CC vide IA 23-78/2018-IA (III) dated.27.10.2021, Public Hearing was conducted on 19.04.2022. EC was obtained for VK Coal mine from MOEF&CC vide Ltr No. IA 23-78/2018-IA(III), Dt.11.04.2025.
(x)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed to comply
(xi)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed to comply
(xii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed to comply
(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.	Agreed to comply
(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,	Complied All the measures are being taken to avoid soil contamination, contamination of ground water & surface water and occupational and other diseases

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Cond. No.	Condition	Compliance
	Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India I High Courts and any other Court of Law relating to the subject matter.	due to the mining operations. CFE and CFO were obtained for the project under air and Water Acts. PLI policy is also being taken every year. The latest PLI policy was taken from National insurance Company bearing no. 550200492410000034, dt. 30.04.2024 and is valid up to 29.04.2025 and will be renewed regularly. The PLI copy is enclosed as Appendix PVK -22 .
(xv)	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.	Not applicable. No appeal against this environmental clearance made with the National Green Tribunal, within a period of 30 days.
5.0	All other terms and conditions stipulated in the Environment clearance dated 23rd October, 1992, shall remain same.	PP agreed to comply.

STATUS OF IMPLEMENTATION OF MoEF ENVIRONMENTAL CLEARANCE CONDITIONS of Padmavathi Khani No.5 Incline Lr. No. J-11015/27/88-IA-II (M) dated 23rd October 1992

Sl. No.	Condition	Compliance Status
(i)	The SPM level in the ambient air should not exceed 500µg/cu.m. At any observation point within the mine leasehold. The emissions of SO ₂ , NO _x and CO should be maintained below the levels prescribed by competent authority.	Complied 7 No's Ambient Air Quality monitoring stations comprising of core and buffer zone have been established based on meteorological data, topographical features and environmental sensitive areas, in consultation with Regional Office of Telangana State Pollution Control Board. As per new ambient air quality guidelines the parameters PM10, SO2 and NOx are being monitored once in every fortnight through MoEF&CC approved third party laboratory M/s Environment Protection Training and Research Institute (EPTRI), Hyderabad. The emissions of PM10, PM2.5, and Sox & Nox are within the limits.
(ii)	The quality of effluent finally discharged into the main watercourse shall conform to the standard prescribed under Notification No. GSR 919(E) dated 12.09.88.	Complied The quality of mine discharge water is being monitored as per MoEF&CC recent guidelines i.e. GSR 742 (E) and GSR801 (E) effluent Standards for Coal Mines. The mine discharge water is being treated through the slow sand filter beds and treated mine discharge water is being partly utilized for the

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Sl. No.	Condition	Compliance Status
		<p>purposes of drinking and dust suppression stowing purpose etc., and partly sent to the seasonal nalla (Tella Vagu).</p> <p>The mine discharge water quality parameters are meeting the stipulated norms and analysis reports are being submitted to the ministry along with half yearly reports.</p>
(iii)	The likely subsided area should be brought back to the original land use pattern to the maximum extent possible. The reclamation of subsided area and subsequent plantation / agricultural activity should be carried out as per the Environmental Management Plan.	<p>Complied</p> <p>De-pillaring with Sand/Bottom Ash stowing was practiced up to 2019-20 at this mine. At present only development activities are in progress and during de-pillaring operations beneath the Tella vagu Stowing will be carried out with sand and bottom Ash.</p> <p>Subsidence survey is being taken up at regular intervals. The subsidence monitoring data reveals that there is no subsidence on surface of the mine due to underground mining because of stowing operations.</p>
(iv)	The Coal Handling Plant and Fan House should be designed to minimise noise level and polymers including rubber and polyurethane must be used to reduce noise levels. The noise levels should not exceed the norms prescribed by the competent authority.	<p>Complied</p> <p>The mine is located adjacent to a central coal handling plant, i.e. Rudrampur CHP (RCHP) and hence there is no separate CHP for the mine and a thick green belt is developed around the CHP to dampen the noise from the CHP.</p> <p>Coal is being dispatched from mine to RCHP through the underground closed conveyors system.</p> <p>The fan house of the mine is provided with Evasee which functions as a silencer and in addition to this plantation has been developed around the fan house which acts as a barrier for noise.</p> <p>The noise levels are being monitored at stipulated intervals and noise levels are within the stipulated limits, The noise levels monitoring data is being submitted along with half yearly reports.</p>
(v)	Regular monitoring of ambient air and water quality including ground water and noise levels should be done on a regular basis and recorded data should be furnished to this Ministry once in three months.	<p>Complied</p> <p>The monitoring of ambient air and water quality including ground water and noise levels is being done at regular intervals and monitoring data is being submitted to the ministry along with half yearly reports. The monitoring data reveals that the parameters are within the stipulated limits.</p>
(vi)	No change in methodology of working and scope of working should be made without the approval of this Ministry.	<p>Complied</p> <p>No changes were made in the methodology of working. Long wall with double ended ranging</p>

PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025

Sl. No.	Condition	Compliance Status
		<p>drum shearer and road headers and LHD's are used for extraction of coal in the mine up to 2007.</p> <p>Presently extraction of Coal by Continuous miner, Load Haul Dumpers (a semi mechanization technology) is being continued.</p> <p>It is proposed to amalgamate PVK-5 Incline with the adjacent VK-7 Incline and GK OCP mines under the name of VK Coal Mine (Opencast cum Underground mine) for which MP&MCP was approved by MoC, Gol. Vide 38011/12/2017-PCA, dated 27.01.2020 and ToR was issued by MoEF&CC vide IA 23-78/2018-IA (III) dated.27.10.2021, Public Hearing was conducted on 19.04.2022.</p> <p>In this proposed amalgamation project initially VK-7 Incline will be converted into opencast and the PVK-5 incline underground operations will be continued up to 2029-30 later PVK-5 incline will also be converted into opencast mine and the existing voids of the GK OC project will be utilized for dumping of the OB excavated from VK-7 incline area and PVK-5 incline area.</p> <p>EC was obtained for VK Coal mine from MOEF&CC vide Ltr No. IA 23-78/2018-IA(III), Dt.11.04.2025.</p>
(vii)	The green belt around associated Industrial complex / residential colony should be provided as per the Environmental Management Plan. The afforestation scheme should lay special emphasis on mixed culture rather than non-culture.	<p>Complied</p> <p>Plantation has been taken up in the vacant land in and around the project area and in the nearby residential colony.</p> <p>The afforestation has been done by planting native species. So far plantation has been carried out in an area of 88.74 ha in the project. Further, gap plantation is being taken up to maintain the greenbelt.</p>
(viii)	There should be regular monitoring of ground water levels in the project area and in the villages in the nearby areas to assess the long-term effects.	<p>Complied</p> <p>Regular monitoring of ground water levels and ground water quality of the existing mines are being carried out by establishing a network of nineteen (13) existing wells and seven (03) piezometers to assess the long-term effects.</p>
(ix)	The project authority should submit to this Ministry a quarterly progress report of implementation in respect of environmental control measures.	<p>Complied</p> <p>The progress report in respect of Half yearly monitoring reports for environmental control measures are being submitted regularly to the regional office of MoEF&CC.</p>
(x)	A separate Environmental Management Cell with suitably qualified persons to carry out various functions relating to environmental management should be set up under the control of senior technical	<p>Complied</p> <p>A Company level environment cell with qualified personnel headed by General Manager (Environment) who is directly reportable to the Chairman of the Company is</p>

PVK-5 Incline HYMR Report From Oct'2024 – Mar'2025

Sl. No.	Condition	Compliance Status																																							
	person, who will directly report to Chief Executive of the area. A laboratory facility should be set up for collection of analysis of samples.	<p>established to monitor and guide in implementation of the environmental safeguards.</p> <p>An area level environmental cell headed by qualified environmental officer is established and functioning under the control of area General Manager to monitor and guide in implementation of the environmental safeguards.</p> <p>Apart from this, a unit level Environmental Management Committee with 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>	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
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(xi)	The funds (both capital and recurring) earmarked for environmental control measures should not be diverted for any other purpose.	<p>Agreed to Comply</p> <p>The funds (both capital and recurring) earmarked for environmental control measures are not being diverted for any other purpose and being spent for environmental protection measures only. Till now about Rs. 2.15 Crores was spend as environment capital expenditure and about Rs. 28.99 Crores (2008-09 to 2024-25) spend as environmental revenue expenditure.</p>																																							
(xii)	The Ministry may stipulate additional conditions if so necessitated either by change in scope of the project or on the basis of feedback on the impacts.	Agreed to comply																																							
(xiii)	This Ministry may revoke the clearance if implementation of stipulated condition is not satisfactory.	Agreed to comply																																							

Periodic progress report regarding environmental protection measures till 31st Mar" 2025 is enclosed as Part - II.


Agent / Project Officer
PVK-5 Incline