



**THE SINGARENI COLLIERIES COMPANY LIMITED**

(A Govt. Company)

Regd. Office Kothagudem-507101  
BELLAMPALLI AREA (GOLETI-504 292)  
CIN No. U10102TG1920SGC000571

Ref Ref.No.: BPA/ENV/28/2024/90

Date: 29.11.2024

To

The Director

Ministry of Environment, Forests & Climate Change (MoEF&CC)

Integrated Regional Office-Hyderabad

Respected Sir,

**Sub:** Half Yearly Environmental Monitoring Report of "Bellampalli Opencast Coal Mine Extension Project-II" for the period April 2024 to September 2024 of Bellampalli area, SCCL -reg.

**Ref:** EC Lr No: J-11015/147/2005-1A-II(M), Dated: 11th September, 2006  
CFO Order No. 210522785639 Dated: 19.03.2021 valid up to 28.02.2026

Reference to the above, the status of implementation of Environmental clearance conditions vis-a-vis Project progress for the period from April 2024 to September 2024 in respect of "Bellampalli Opencast Coal Mine Extension Project-II" of the Singareni Collieries Company Limited, Bellampalli area, Kumurambheem-Asifabad (District), Telangana (State) is being furnished for your kind perusal.

Thanking You

Yours faithfully,

General Manager,  
Bellampalli area.

Encl: as above.

**THE SINGARENI COLLIERIES COMPANY LIMITED**  
(A Government Company)  
**BELLAMPALLI COAL MINING EXTENSION PROJECT-II BELLAMPALLI AREA**



**HALF YEARLY MONITORING REPORT ON COMPLIANCE OF ENVIRONMENTAL  
CLEARANCE CONDITIONS FOR THE PERIOD  
APRIL-2024 TO SEPTEMBER-2024.  
FOR  
BELLAMPALLI OPENCAST COAL MINING EXTENSION PROJECT-II  
BELLAMPALLI AREA**

**Project Officer,  
BPA OC-II Extn.Project  
C/o.GM s Office, SCCL,  
Goleti –Village and Post,  
Rebbanna- Mandal,  
Kumram Bheem (District),T.S.-504292,  
Fax No. 08735-231662,  
E-mail ID oc2\_bpa@scclmines.com  
Cell No.9491144002**



**THE SINGARENI COLLIERIES COMPANY LIMITED**  
**(A Government Company)**  
**BELLAMPALLI OPENCAST COAL MINING EXTENSION PROJECT-II BELLAMPALLI**  
**AREA**

HALF YEARLY MONITORING REPORT ON COMPLIANCE OF ENVIRONMENTAL  
CLEARANCE CONDITIONS APRIL-2024 TO SEPTEMBER-2024.

**PART-I**

**A. SALIENT FEATURES OF THE PROJECT**


1	Name of the project	Bellampalli Opencast Coal Mine Extension project-II
2	Organization	The Singareni Collieries Company Limited
3	Coalfield	Godavari valley coal field
4	Type of mine	Opencast coal mine project
5	Technology	Shovel - Dumper technology
6	Environmental Clearance	
	A Letter No. and date	J-11015/147/2005-IA.II(M),dt 11.09.2006
	B Sanction capacity	0.40 MTPA
	C Mining lease area	191.98 Ha.
	D Date of public hearing	15.12.2004
7	Location of the project	
	A Village	Goleti township
	B Tehasil	Tandur (Mandal)
	C District	Kumram Bheem
	D State	Telangana State.
	E Latitude	N 19 <sup>o</sup> 12 34" to 19 <sup>o</sup> 12 56"
	F Longitude	E 79 <sup>o</sup> 20 53" to 79 <sup>o</sup> 21 41"
	G Topo sheet	56 $\frac{M}{8}$
	H Nearest railway station	Rechni road railway station
	I Nearest airport	Hyderabad airport
	J Nearest town	Goleti township
8	Address for Correspondence	
	A Name	Sri N.UMAKANTH
	B Designation	Project officer
	C Address	Project Officer, BPA OC-II Extn. C/o.GM s Office,The S.C.Company Ltd., Goleti –Village and Post, Rebbena- Mandal, Kumram Bheem Asifabad- District,TS-504292.
	D E-mail ID	oc2_bpa@scclmines.com
	E Telephone No.	08735-231100 Cell No 9491144002
9	Life of the project	
	A Date of opening	27.07.2006
	B Total life of the project as per EMP	20 years (including 2 yrs. construction period)  No extraction of coal and OB since 31.03.2022 due to un favourable geological conditions
10	Seams	
	A Total seams present	3 (nos.)
11	Depth	
	A Minimum depth (m)	15m
	B Maximum depth (m)	130m
12	Reserves	
	A Total geological reserves	7.69 MT

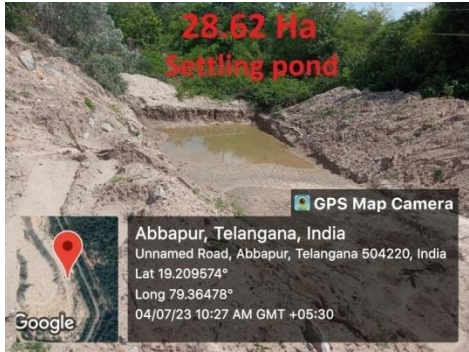


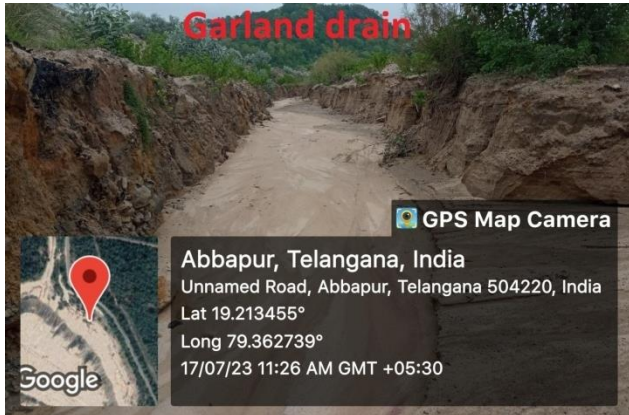
	B	Total extractable reserves	7.00 MT	
	C	Coal extracted during last 6 months	0 MT	
	D	Reserves already extracted	5.496 MT	
13	Overburden			
	A	Total hard OB	43.72 M.Cu.m (excluding topsoil)	
	B	Hard OB extracted since inception	34.52 M.Cu.m. (excluding topsoil)	
	C	Hard OB removed during last 6 months	0.068 M.Cu.m. (excluding topsoil)	
14	Topsoil			
	A	Total topsoil	1.79 M.Cu.m	
	B	Topsoil extracted since inception	0.93 M.Cu.m	
	C	Topsoil removed during last six months	Nil	
15	Land requirement			
	A	Total requirement	191.98 Ha.	
	B	Forestland involved	117.63 Ha.	
	C	Non-forestland	74.35 Ha.	
16	Activity wise land requirement		As per approved EMP (in Ha.)	Present status (in Ha.)
	A	Quarry area	90.51 Ha.	75.30 Ha.
	B	External OB dumps	23.81 Ha.	-
	C	Infra structures	3.10 Ha.	0.96 Ha.
	D	Others (Safety berm against quarry, drain around quarry, nallah diversion, roads, R and R, etc.)	74.56 Ha.	93.03 Ha.
		Total	191.98 Ha.	169.29 Ha.
17	Statutory clearances			
	A	Ground Water Clearance	Ltr. No.3634/Hg.III [1]/2004, dt 24.03.2005.	
	B	Consent For Establishment	CFE Order No. APPCB/PTN/ NZB /174 /HO /2004, dt 17.02.2005.	
	C	Consent For Operation	Consent Order No 210522785639 dt 19.03.2021. It is valid up to 28th February-2026	
	D	Forest Clearance	i. Forest Clearance has been obtained for 28.62 Ha. of Forest land required for block-C operation vide Ltr. No. F(C) A/16.1/74/AP/MIN.,dt 06.07 .2006. ii. Forest Clearance has been obtained for 108.78 Ha. of Forestland vide Ltr. no.F.No.8-21/2009-FC,dt 04.09. 2014.	
	E	Mining lease	Total extent 191.98 Ha.	
18	R and R involved		1. 60 families, 85 PDFs of abbapur villagers Provided R and R at Narsapur village 2. Sonapur village 47 PDFs were relocated.	
19	Men on roll		10 employees	

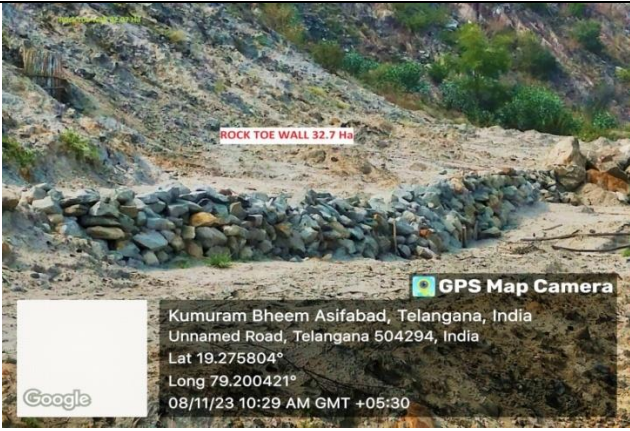


**CONDITION WISE COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE OF BELLAMPALLI  
OPENCAST COAL MINING EXTENSION PROJECT-II AS ON 30.09.2024**

**A SPECIFIC CONDITIONS**


<b>Cond. No.</b>	<b>Condition</b>	<b>Compliance status</b>
i.	No Mining/developmental activity shall be undertaken in forestland without forestry clearance as per provisions of the FC Act, 1980.	<p><b>Complied</b> Mining activity is being carried out only in the diverted Forest land Forest clearance obtained for 137.40 Ha</p> <ul style="list-style-type: none"> <li>i. 28.62 Ha Vide Lr.No.F(C)A/16.1/74/AP/MIN, Dt.21.02.2006</li> <li>ii. 108.78 Ha vide Lr no F.No. 8-21/2009-FC, Dt 04.09.2014.</li> </ul> <p><b>FC copies enclosed as Annexure I and II</b></p>
ii.	All the conditions stipulated by the SPCB in their NOC shall be effectively implemented.	<p><b>Being Complied</b> All the conditions stipulated by the SPCB in the CFE and CFO are being effectively implemented.</p> <p><b>CFE,CFO copies enclosed as Annexure III and IV</b></p>
iii.	It shall be ensured that the mining operations within the lease area which is drained by a number of streams and nallahs and outfall into the River Godavari which flows within 600m distance from the lease boundary are safe and mine area is not inundated by peak flow of water from the natural drainage. It shall also be ensured that no OB from the mine operations out fall into these natural courses.	<p><b>Being Complied</b> The river Godavari is flowing almost 50 Km away from the mine.</p> <ul style="list-style-type: none"> <li>➤ The Narsapur nallah which is flowing over Block-C area was diverted and protection bund cum road was constructed against the Nallah to safe guard it.</li> <li>➤ All the steps were taken to prevent the outfall of OB into the streams by stabilizing the slopes. Like, making garland drains, earthen bund around dump and providing settling ponds.</li> </ul> <p><b>Details of Flood protection Bund cum road against Narsapur Nallah</b></p> <ul style="list-style-type: none"> <li>▪ Length 1.45 Km</li> <li>▪ Top Width 19m, Bottom Width 25m, Ht 3m</li> <li>▪ Gap between Bund and Nallah 15 m</li> </ul> <p><b>Details of the Diverted Narsapur Nallah</b></p> <ul style="list-style-type: none"> <li>▪ Length 1.45 Km,</li> <li>▪ Top Width 42 m, BottomWidth 4.5 m,</li> <li>▪ Height 19 m</li> <li>▪ Length of original Nallah 1.20 Km</li> </ul>
iv.	The proposed bund of 1186m length along the diverted Narsapur nallah, the 3286m bund to be constructed along the diverted Sonapur Nallah and a bund to be constructed for a length of 1200m along the nallah to be diverted in the Block-B Extn.	<p><b>Complied</b> <b>Details of Bund against diverted Narsapur Nallah</b></p> <ul style="list-style-type: none"> <li>➤ Length 1.45 Km,</li> <li>➤ Top Width 19m, Bottom Width 25m, Height 3m</li> </ul> <p><b>Details of Bund against diverted Sonapur</b></p>






Cond. No.	Condition	Compliance status
	<p>Shall be of adequate height and width and strength shall be constructed considering the peak water flow to prevent mine inundation and to prevent water from out falling into the drainage of the Nallah and shall be at least 6m higher than the HFL. The embankment shall be properly stabilized and developed with plantation for further stabilization.</p>	<p><b>Nallah</b></p> <ul style="list-style-type: none"> <li>➤ Length 2.97 Km,</li> <li>➤ Top width 4m, bottom width 15m height 3m</li> </ul> <p><b>Details of Bund against diverted Nallah in Block-B Extn</b></p> <ul style="list-style-type: none"> <li>➤ Length of Bund 700m (1200m as per EC) length of the bund was reduced because the extent of the quarry was restricted due non availability of coal.</li> <li>➤ Top width 4 m; Bottom width 12 m;</li> </ul> <p>Protection Bunds were constructed with adequate strength, width and height of 3 m above HFL considering the peak water flow to prevent inundation and out falling of OB into the nallah.</p>
v.	<p>Topsoil should be stacked properly with proper slope at earmarked site(s) and should not be kept active and shall be used for reclamation and development of green belt.</p> 	<p><b>Complied</b></p> <p>Total top soil of 0.93 M. Cu.m removed since inspection of the mine.</p> <ul style="list-style-type: none"> <li>➤ 2.815 LBCM of topsoil was stacked at Block-A dump yard, later it was spread over Block-A dump yard of BPA OC-II and Block-E dump yard of BPA OC-I and plantation was completed with native species</li> <li>➤ 2.121 LBCM of top soil was stacked at Block C</li> <li>➤ 4.4 LBCM of top soil was spread over Block-E dump yard of BPA OC-I and plantation was completed with native species as envisaged in the approved EMP</li> </ul>
vi.	<p>OB should be stacked at earmarked external OB dumpsite within ML area and shall be a maximum height of 30m only consisting of 10m benches. The ultimate slope of the dump shall not exceed 28°. Back filling shall begin at the end of 7<sup>th</sup> year in the de-coaled area. Monitoring and management of existing reclaimed dumpsites should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment and Forests and its Regional office located at Bangalore on a yearly basis.</p>	<p><b>Being Complied</b></p> <p>No external dumping is being done in BPA OC-II Extn.,</p> <ul style="list-style-type: none"> <li>➤ Backfilling is done as per approved EMP, So far 34.47 M.cu.m of OB is backfilled. <ul style="list-style-type: none"> <li>• 16.626 M.Cu.m of OB is backfilled in de-coaled void of Block-C</li> <li>• 8.615 M.Cum in de-coaled void of Block-B</li> <li>• 9.236 M.Cum in de-coaled void of Block-A up to +20 m height</li> </ul> </li> <li>➤ The overall angle of slope is maintained less than 28°</li> <li>➤ The compliance status is regularly being submitting to MoEF and CC on Half Yearly basis.</li> </ul>
vii.	<p>Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Catch drains and siltation ponds of adequate size were constructed to arrest silt and sediment flows from soil, OB from</li> </ul>


Cond. No.	Condition	Compliance status
	<p>mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted and maintained properly.</p> <p>Garland drains (size, gradient and length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.</p>  	<p>dumps.</p>   <ul style="list-style-type: none"> <li>➤ when working, The water so collected was being utilized for dust suppression in the mine area, roads, and for green belt development, etc.,</li> <li>➤ The garland drains and sumps were designed keeping 50% safety margin over and above peak rain fall and are regularly being de-silted and maintained properly.</li> <li>➤ Drains are made for internal (No external dumping is being done) dump areas to check run-off and siltation based on the rainfall data.</li> <li>➤ when working, Sump was made at deep most side of the quarry and its capacity was being maintained to provide sufficient retention period and to allow proper settling of silt.</li> </ul>
viii.	<p>Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Toe walls with adequate dimensions were constructed based on the rainfall data and being maintained at the toe of the dumps to check run-off and siltation.</li> </ul>


Cond. No.	Condition	Compliance status
		
ix.	Crushers at the CHP should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emissions at loading point, conveyor system, haulage roads and transfer points.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ when working, crusher design is not suitable for incorporation of bag filters for controlling fugitive dust emissions effective water spraying arrangements are provided at crushers, loading point, conveyor system, and transfer points.</li> <li>➤ when working, Fixed point water sprinkling system is provided in the premises of CHP. Mobile water sprinklers were deployed while extraction, to suppress the fugitive dust on the haul roads, dumps, around CHPs, etc.</li> </ul>
	 <p><b>Fixed point water sprinkling system in the premises of pit head CHP of the project</b></p>	 <p><b>water sprinkling on haul roads</b></p>
x.	Drills should be wet operated only.	<p><b>Complied</b> Wet drilling practiced while working .</p>
xi.	Controlled blasting shall be practiced only during daytime with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>❖ When working, Controlled blasting with NONEL (non-electric) technology was practiced while working.</li> <li>❖ The blasting was carried out only in day time and measures like optimum charge per delay, sequence of blasting, following designed blasting pattern, etc., are being</li> </ul>




Cond. No.	Condition	Compliance status
		practiced to reduce the ground vibrations, to arrest fly rock and boulders.
xii.	The road from mine to CHP at Shanthy khani UG project and road to be laid connecting Block-B Extn. to Block-D shall be metal topped. Trucks used for transporting the mineral shall be covered with tarpaulin and optimally loaded. The vehicles shall be regularly got serviced and vehicular emissions shall be maintained within prescribed norms.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ The entire coal transport road from mine to Goleti CHP is black topped.</li> <li>➤ when working, Trucks used for transporting the coal were optimally loaded and completely covered with good quality tarpaulin.</li> <li>➤ The periodic planned preventive maintenance and engine tuning of HEMM and other transport vehicles was carried out at regular intervals as per OEM schedules to keep the exhaust emissions under control.</li> </ul>
xiii.	<p>Afforestation shall cover an area of 102.64 Ha. which includes reclaimed external OB dump (19.16ha) reclaimed topsoil dump, backfilled area (49.87 ha), along ML boundary, along drains (13.38 ha) along road (15.21 ha + 1.92 ha) along service buildings, CHP (3.10 ha) within the lease and avenue plantation and green belt and avenue plantation in the township outside the lease and an area of 64.12 ha in the old abandoned mine by planting native species in consultation with the local DFO/ Agriculture Department. The density of the trees should be around 2500 plants per Ha.</p>  <p><b>Avenue plantation beside BPA OC II</b></p>	<p><b>Agreed to Comply</b></p> <p>So far 70,502 nos. of plants were planted in 22.81 Ha. against 83.48 Ha. (out of 102.64 Ha 19.16 Ha of external OB dump yard area was not acquired)</p> <ul style="list-style-type: none"> <li>➤ Back filled area of B-Extn.C Block –2.97 Ha</li> <li>➤ Near Abbapur village —5.01 Ha</li> <li>➤ Protective bund around quarry and dump yard safety distance drain and along road--- 14.83 Ha.</li> </ul> <p>So far 1,24,502 nos. of plants were planted in 39 Ha. against 64.12 Ha (in old mine area and other area)</p> <ul style="list-style-type: none"> <li>• 7.00 Ha BPA OC-I E dump</li> <li>• 9.00 Ha BPA OC I A dump</li> <li>• 8.00 Ha BPA OC-II A Dump</li> <li>• 10.20 Ha BPA OC-II A Dump</li> <li>• 4.79 Ha R and R site near Narsapur</li> </ul> <p>➤ <u>Note No plantaion is taken up over Block-C and B dump yards as they will be further extended in the proposed Goleti OC mine.</u></p> <p>➤ Further mining and reclamation activity will be carried out as per the approved Mine Closure Plan of the proposed Goleti OC Mine.</p>


Cond. No.	Condition	Compliance status
	 <p><b>Plantation at Block A Reclaimed Dump</b></p>  <p><b>Plantation at Block E Dump</b></p>	   <p><b>Plantation at CHP</b></p>
xiv.	<p>A progressive Mine Closure Plan shall be implemented by reclamation of quarry area of 49.87Ha. with afforestation by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. The balance 40.64 ha of de-coaled area shall be converted into a water reservoir, the upper benches of which shall be gently sloped and stabilized and reclaimed with plantation and the reservoir peripherally fenced.</p>	<p><b>Agreed to Comply</b></p> <ul style="list-style-type: none"> <li>➤ A progressive mine closure plan (stage wise reclamation of quarry area) is being implemented as per approved EMP and the progress of the reclamation is being submitted to the ministry as a part of Half Yearly Environmental Monitoring Report.</li> <li>➤ Afforestation is being done as per approved EMP by planting native species in consultation with the local DFO with a minimum density of 2500 plants per Ha.</li> </ul> <p>So far 70,502 nos. of plants were planted in 22.81 Ha. against 49.87Ha.</p> <ul style="list-style-type: none"> <li>➤ Back filled area of B-Extn.C Block –2.97 Ha</li> </ul>

Cond. No.	Condition	Compliance status
		<ul style="list-style-type: none"> <li>➤ Near Abbapur village -5.01 Ha</li> <li>➤ Protective bund around quarry and dump yard safety distance drain and along road---14.83 Ha.</li> </ul> <p>Note No plantaion is takne up over Block-C and B dump yards as they will be further extended in the proposed Goleti OC.</p> <ul style="list-style-type: none"> <li>➤ It is proposed to fill the 40.64 Ha of final void of BPA OC-II Ext Project with OB from the proposed Goleti OC Mine.</li> <li>➤ Further stabilization and reclamation activity will be carried out as per the approved Mine Closure Plan of the proposed Goleti OC Mine.</li> </ul>
xv.	The condition stipulated by the state Ground Water Department shall be effectively implemented. The company shall obtain prior approval of CGWA/CGWB regional Office for use of ground water if any, for mining operation.	<p><b>Complied</b></p> <p>Ground Water Clearance from Ground Water Department was obtained Vide Lr. No.3634/Hg.III [1]/2004, dt 24.03.2005 and conditions thereof are complied.</p> <p>Document enclosed as <b>Annexure V</b></p>
xvi.	Regular monitoring of ground water level quality should be carried out by establishing a network of existing wells and construction of new Piezometers. The monitoring of quantity should 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 should be submitted to the Ministry of Environment and Forests and to the Central Pollution Control Board quarterly within one month of monitoring.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ The season wise ground water levels quantity and quality monitoring is being done with 7 nos. of piezometers and 18 nos. of existing open wells.</li> <li>➤ The season wise quantity and quality monitoring is being done and monitoring results are enclosed</li> <li>➤ Monitoring data thus collected in each quarter is being submitted to the MoEF and CC and to the CPCB within one month of monitoring</li> </ul> <div style="text-align: center;">  <p style="text-align: center;">Sonapur, Telangana, India</p> <p style="text-align: center;">Latitude 19.211768333333335° Longitude 79.34227° Local 01:47:39 PM Altitude 315.1 meters GMT 08:17:39 AM Thursday, 24-03-2022</p> </div> <p style="text-align: center;">Ground water level monitoring at Piezometric well</p>

Cond. No.	Condition	Compliance status
		<p><b>season wise ground water levels quantity enclosed as Annexure VI</b></p> <p><b>Surface water and Ground water quality monitoring data enclosed as Annexure VIIA and VIIB</b></p>
xvii.	<p>The company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine</p>  <p><b>rain water recharge station at chopidi</b></p>	<p><b>Complied</b> As per ground water level monitoring by CGWB, Tiryani Area is categorized under Safe category in page no. 138 (Sl. No. 5380) as per the following URL. <a href="http://cgwb.gov.in/GW-Assessment/2021-08-02-GWRA-2020-BLOCKWISE%20MASTERSHEET.pdf">http //cgwb.gov.in/GW-Assessment/2021-08-02-GWRA-2020-BLOCKWISE%20MASTERSHEET.pdf</a></p> <ul style="list-style-type: none"> <li>➤ However three rain water recharge stations constructed in Buffer zone villages of the project i.e. chopidi, gowarguda, rehabilitated Dorli villages</li> <li>➤ The Piezometric and phreatic wells monitoring data reveals that there is no adverse impact on ground water table due to mining activity.</li> <li>➤ There is no evidence of drying of wells in nearby villages. However, if village wells go dry due to mining activity, the project authorities will meet the water requirement of the nearby villages with tractor mounted water tankers.</li> </ul> <p><b>GWRA safe zone area details enclosed as ANNEXURE VIII</b></p>
xviii.	<p>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 agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.</p>	<p><b>Complied</b> 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</p>

Cond. No.	Condition	Compliance status
		<p>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 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>

Cond. No.	Condition	Compliance status
		The PME details are being submitted to the Ministry and to the DGMS at regular intervals.
xix.	Digital processing of the entire lease area using remote sensing technique should be done regularly once in 3 years for monitoring land use pattern and report submitted to MoEF and its Regional Office at Bhopal.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Digital processing of entire lease area using remote sensing technique is being done regularly once in three years for monitoring land use pattern and latest reports and carried out by Greencindia Consulting Pvt. Ltd., in the year 2022</li> <li>➤ <b>The land use land cover details enclosed in annexure IX.</b></li> </ul>
xx.	ETP should also be provided for workshop and CHP waste water.	<p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>➤ One ETP of 60 KLD capacity for base workshop was constructed and being maintained.</li> <li>➤ Periodical monitoring of effluents is being done and effluents are found within prescribed limits.</li> </ul> 
xxi.	A sewage treatment plant shall be installed in the combined township	<p><b>Complied</b></p> <p>SCCL constructed 2X100 KLD capacity STPs in Goleti Township for treating sewage.</p>

Cond. No.	Condition	Compliance status
		 <p style="text-align: center;">2 X 100 KLD STPs at Goleti township</p>
xxii.	R and R shall be not be less than the norms stipulated in the National R and R Policy and shall be completed before the commissioning of the Project.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ R and R Provided at Narsapur village for 60 families, 85 PDFs of abbapur villagers.</li> <li>➤ R and R for Sonapur village was implemented as per LARR Act,2013 and Go.MS.No.120, Dt 30-06-2017 of State Govt. ie under the guidance of District Collector.</li> <li>➤ <b>R and R details enclosed as ANNEXURE - X</b></li> </ul>
xxiii.	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure for approval.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ BPA OC-II Extention project was closed on 31.03.2022 due to un favourable geological conditions and it is proposed to amalgamate the project with the adjacent Goleti-1 and 1A Incline for using the voids for OB dumping. Accordingly, Mining Plan including Mine Closure Plan of the <b>Goleti OC Mine</b> (which is an amalgamation of Goleti-1 and 1A Incline and BPA OC II Extn project) was approved by the MoC, GOI. Vide. Lr. No. 34011/3/2020-CPAM Dt. 17.11.2020. <b>Approved Lr of Mine Closure Plan enclosed as Annexure XI</b></li> </ul> <p>Subsequently, MoEF and CC granted ToR for</p>

Cond. No.	Condition	Compliance status
		<p>Goleti OC Project on 09.06.2022, EIA/EMP prepared, Environmental public hearing conducted on 20.10.2022 and obtaining EC is in process.</p> <p>Escrow Account was also opened for Goleti OC mine (No. 41794080522) and an amount of Rs. 57.1639 Cr (Including interest) was deposited till 30.09.2024.</p> <p><b>Goleti OC Mine Escrow Account agreement copy and bank statement enclosed as Annexure XII and XIII.</b></p> <p>The Final Mine Closure Plan will be submitted after approval by MoC five years before the closure of the mine.</p>
xxiv.	Consent to operate shall be obtained for the rated capacity before expansion in mining operations.	<p><b>Complied</b> Consent for operation was obtained vide Order No 210522785639 dated 19.03.2021. Which is valid up to 28th February-2026 <b>A copy was enclosed as Annexure IV</b></p>

## B GENERAL CONDITIONS

Cond No.	Condition	Compliance status
I.	No Change in mining technology and scope of workings should be made without prior approval of the Ministry of Environment and forests.	<p><b>Complied</b> There was no change in mining technology and opencast technology (Shovel and Dumper combination) was adopted in the project as envisaged in the approved EMP.</p>
II.	No change in the calendar plan including excavation, quantum of mineral coal and waste should be made	<p><b>Complied</b> The year wise coal production details are furnished <b>as Annexure XIV</b></p>
III.	Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for SPM, RPM, SO <sub>2</sub> and NO <sub>x</sub> monitoring, Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution control Board.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Six (6) nos. of ambient air quality monitoring stations (two in core zone and four in buffer zone now) were established.</li> <li>➤ The parameters PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> are being monitored once in fortnight.</li> <li>➤ Besides the above, A continuous ambient air quality online monitoring station is established at Khairagura OCP, it is in buffer zone of BPA OC-II project and it is connected to TSPCB web site.</li> <li>➤ The post project environmental monitoring stations are identified in consultation with Regional Office, Telangana State Pollution Control Board, Nizamabad based on the meteorological data, topographical features, and</li> </ul>




Con d No.	Condition	Compliance status
		<p>environmental as well ecological sensitive targets.</p> <ul style="list-style-type: none"> <li>➤ The monitoring is being carried out regularly by the external agency i.e. “Environmental Protection Training and Research Institute” (EPTRI), Hyderabad which is CPCB recognized and a NABL accredited lab.</li> </ul>
IV.	<p>Fugitive dust emissions (SPM and RPM) from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangements on haul roads, wagon loading, and dump trucks (loading and unloading) points should be provided and properly maintained.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Effective water spraying arrangements were provided to control fugitive dust emissions at crusher, loading point, conveyor system, transfer points and haulage roads.</li> <li>➤ Fixed point water sprinkling system was provided in the premises of CHP. Mobile water sprinklers were deployed while extraction, to suppress the fugitive dust on the haul roads, dumps, around CHPs, etc..</li> <li>➤ <b>Ambient air quality monitoring data is enclosed as annexure-XV</b></li> </ul>
V.	<p>Data on ambient air quality (SPM, RPM, SO<sub>2</sub> and NO<sub>x</sub>) should be regularly submitted to the Ministry including its Regional Office at Bangalore and to the state Pollution Control Board and the Central Pollution Control Board once in six months.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Data on ambient air quality (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>) and heavy metals such as Hg, As, Ni, Cd, Cr, and other monitoring data is being regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board once in six months along with half yearly reports.</li> <li>➤ The ambient air quality and heavy metals monitoring data enclosed as <b>annexure-XV and XVI.</b></li> </ul>
VI.	<p>Adequate measures should 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 should be provided with ear plugs/muffs.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Adequate measures are being taken for control of noise levels below 85 dBA in the work environment.</li> <li>➤ Sound proof cabins are provided in HEMM.</li> <li>➤ The periodic planned preventive maintenance and engine tuning of HEMM and other transport vehicles was being done at regular intervals as per schedules submitted by OEM(Original Equipment Manufacturer) to keep the noise levels below 85dBA</li> <li>➤ To attenuate noise, Plantation is being taken up every year as per approved EMP.</li> <li>➤ The persons engaged in high noise work environment such as drilling and blasting operations were provided with earplugs.</li> <li>➤ The various measures were taken up for control of noise levels below 85 dB(A) in the work environment</li> <li>➤ <b>Noise levels monitoring data is enclosed as annexure XVII.</b></li> </ul>

Con d No.	Condition	Compliance status
VII.	Industrial waste water (Workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dt 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time before discharge. Oil and Grease trap should be installed before discharge of workshop effluents.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Industrial waste water from Workshop is being properly collected, treated through an ETP (60 KLD capacity).</li> <li>➤ Periodical monitoring of effluents are conforming to the prescribed standards</li> <li>➤ Oil and Grease trap installed before discharging into natural water source.</li> <li>➤ <b>The effluents and monitoring report is enclosed as annexure-XVIII.</b></li> </ul>
VIII.	Vehicle emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ 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.</li> <li>➤ Vehicles used for transporting of coal were covered with tarpaulin and optimally loaded.</li> <li>➤ The vehicular emissions are being monitored once in every six months and <b>monitoring results are enclosed as annexure-XIX</b></li> </ul>
IX.	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the Station Pollution Control Board.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ A regional environmental laboratory for Bellampalli region was commissioned with all facilities at Mandamarri for monitoring of critical parameters. The laboratory recognized under E(P) Act, 1986.</li> <li>➤ The Post Project Env. Monitoring stations were established in consultation with Regional Office, Telangana State Pollution Control Board, Nizamabad.</li> <li>➤ PPEM work is being carried out by an external agency, i.e. "Environmental Protection Training and Research Institute" (EPTRI), Hyderabad which is a CPCB recognized and NABL accredited lab (recognized under EPA Rules, 1986).</li> </ul>
X.	<p>Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ Protective wear like dust masks are being provided to workmen exposed to dusty environment Adequate training is being imparted on safety and health aspects at the Mine Vocational Training Center provided at Goleti.</li> <li>➤ The SCCL has well-established health centers (Area Hospitals) with qualified doctors and with all facilities as per NIOH, Ahmadabad (occupational health specialist) in each area for monitoring and identification of occupational diseases.</li> </ul>

Con d No.	Condition	Compliance status
		<ul style="list-style-type: none"> <li>➤ Occupational health surveillance programme of the workers (Periodical Medical Examination (PME) is being carried out to check the health profile of the workmen i.e. for the lung diseases, hearing impairment, eye testing, heart functioning, hypertension, diabetes, chest X-Ray, complete blood and urine picture, etc., and records are being maintained.</li> <li>➤ Periodically Medical Examination (PME) is being done at an interval of once in five years for employees age up to 45 years, once in three years for employees age more than 45 years and eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.</li> <li>➤ In addition to above, medical camps are being conducted at regular intervals at all SCCL areas with corporate hospital doctors, Hyderabad, for health check up of SCCL employees. On medical referrals, SCCL s employees are being sent to corporate hospitals, Hyderabad for treatment on need basis</li> </ul>
XI.	A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the head of the company	<p><b>Complied</b></p> <p>The SCCL has a well defined hierarchical system to deal with environmental issues and for ensuring compliance with the environmental clearance conditions.</p>
XII.	The Funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to this Ministry and its Regional Office at Bangalore.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>➤ The funds earmarked for the environmental safeguards are being kept in separate account and are being spent for environmental protection works only.</li> <li>➤ The year wise environmental expenditure is being submitted along with Half Yearly Monitoring Reports to MoEF and CC.</li> </ul>
XIII.	The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.	<p><b>Complied</b></p> <p>The project authorities will extend the cooperation to the Regional Office for furnishing the requisite data / information / monitoring reports.</p>
XIV.	A copy of the environmental clearance letter shall be marked to concerned Panchayat / Local NGO, if any, from whom any suggestion / representation	<p><b>Complied</b></p> <p>The condition is complied vide Lr. No. BPA/ ENV//I/ 006/83, Dt. 20.09.2006.</p>

Con d No.	Condition	Compliance status
	the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at the website of the ministry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	
3	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	<b>Complied</b> Agreed to this condition. If any further conditions will be stipulated by the ministry or any other competent authority for environmental protection, the same will be obeyed & complied.
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b>Agreed to Comply</b> The actual data is being submitted regularly.
5	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules	<b>Agreed to Comply</b> All measures are being taken to avoid soil contamination, contamination of ground water, surface water, and occupational and other diseases due to the mining operations.

  
**Project Officer**  
**BPA OC-II Extn.**