

# **ENVIRONMENTAL PROTECTION AND CONSERVATION**

The Environment Department of Eastern Coalfields Limited (ECL) is integrating sustainable development principles into its daily operations to inculcate environmentally friendly mining practices in the company. Apart from dealing with the environment and forest-related affairs of the company, the department aligns its actions with the goals of Sustainable Development and ensures implementation of ECL's Corporate Environment Policy. This entails a comprehensive approach to environmental management, which includes integrated project planning and design, continual monitoring of environmental impacts, pollution prevention and mitigation measures, ecosystem and biodiversity restoration efforts, responsible waste disposal practices, and the conservation of natural resources.

## **ADOPTION OF CORPORATE ENVIRONMENTAL POLICY**

Your company has formulated and implemented its own Corporate Environment Policy which is in line with environment policy of Coal India Limited. The Environment Policy states that the company is committed to promote sustainable development by protecting the environment through integrated project planning & design, deploying the concept of 10 R's (Reduce, Recycle, Reuse, Redesign, Repurpose, Refurbish, Repair, Recover, Redeploy and Refuse), prevention/mitigation of pollution, conservation of natural resources, restoration of ecosystem & biodiversity, proper disposal of wastes, addressing climate change and inclusive growth in a mission mode through company-wide implementation.

### **Major achievements during 2023-24:**

#### **Environment Clearance:**

Amendment of Environmental Clearance (EC) of Cluster No. 12 was granted on 31.07.2023 with an increase in production capacity of Sonapur Bazari OCP from 12.00 MTY to 14.00 MTY keeping the overall cluster capacity and mine lease area unchanged.

Environmental Clearance (EC) amendment for Cluster No. 2 was granted on 21.02.2024 with the increase in production capacity of Barmuri OCP from 0.50 MTY to 0.90 MTY along with increase in mine area from 59.00 Ha to 92.00 Ha.

Term of Reference (ToR) for Environmental Clearance (EC) expansion proposal of Cluster No. 12 (increase in production capacity of Sonapur Bazari OCP from 12.00 MTY to 15.00 MTY with increase in mine lease area from 2405.00 Ha to 4681.35 Ha) for increasing the overall production capacity of cluster from 31.38 MTY to 34.83 MTY and mine lease area from 12694.47 Ha to 14814.20 Ha and was granted by MoEF&CC on 04.01.2024.

Term of Reference (ToR) for Environmental Clearance (EC) expansion proposal of Cluster No. 03 (increase in mine lease area from 304.00 Ha to 518.00 Ha) for increasing the overall area of Cluster from 1628.00 Ha to 1774.00 Ha keeping the production capacity of the cluster unchanged was granted by MoEF&CC on 04.01.2024.

#### **Forest Clearance:**

**Tilaboni UGP:** Stage-I Forestry Clearance in favour of Tilaboni UGP for diversion of 38.38 Ha Forest Land has been accorded by MoEF&CC, Govt. of India on 19.03.2024.

**Simlong OCP:** Proposal for diversion of 122.40 Ha forest land including Damin-i-kohland was made in the PARIVESH 2.0 portal on 30.06.2023. The proposal was then considered in Project Screening Committee (PSC) meeting of Govt. of Jharkhand.

#### **Wildlife Management Plan:**

Wildlife Management Plan of entire Raniganj Coalfield has been prepared and submitted to Forest Department, Govt. of West Bengal on 04.03.2024.

**Plantation & Reclamation:**

Plantation in ECL command Areas falling within the State of Jharkhand is being done through Concerned DFO of the Area on nomination basis and in the State of West Bengal it is being done through West Bengal Forest Development Corporation Limited (WBFDC). Emphasis is being given to develop green-belt along coal transportation roads, railway sidings and coal stock yards to arrest dust emission from the vehicles, handling of coal. The plantation target envisaged for F.Y. 2023-24 for ECL was 160.00 Ha, out of which plantation over 160.54 Ha with plantation of about 3.07 Lakh saplings has been completed. Area wise details of plantation for the F.Y. 2023-24 is as under:

Sl. No.	Name of the Area	Name of the Mine	Plantation area in Ha	Type of Plantation	Type of land
1.	Sodepur	Dhemomain	2.00 Ha	Orchard	Plain Land
2.	Sripur	AB Pit	1.00 Ha	Miscellaneous	Plain Land
		Amkola OCP	10.00 Ha	Miscellaneous/Shal	Plain Land
		Bhanora West OCP	5.00 Ha	Seed-ball	Int. OBD
		SSI (Ningah) OCP	5.00 Ha	Seed-ball	Int. OBD
3.	Kunustoria	Kunustoria UG	3.74 Ha	Miscellaneous	Plain Land
		Kunustoria UG	0.42 Ha	Avenue	Plain Land
		North Searsole OCP	1.56 Ha	Avenue	Plain Land
		Amritnagar UG	5.02 Ha	Miscellaneous	Plain Land
		Mahabir OC	4.80 Ha	Miscellaneous	Plain Land
4.	Salanpur	Mohanpur OCP	7.00 Km	Avenue	Plain Land
5.	Kajora	Jambad OCP	5.00 Ha	Seed-ball	Int. OBD
		Madhusudanpur	12.00 Ha	Miscellaneous	Plain land
6.	Kenda	Lower Kenda Colliery	0.47 Ha	Orchard	Plain land
		Bahula OCP	3.60 Ha	Orchard	Int. OBD
7.	Jhanjra	Jhanjra UGP	2.50 Km	Avenue	Plain Land
			15.00 Ha	Miscellaneous	Subsided
8.	Sonepur Bazari	Sonepur Bazari OCP	5.00 Ha	Seed-ball	Int. OBD
			15.00 Ha	Miscellaneous	Int. OBD
9.	Bankola	Nakrakonda-Kumardihi B UG	1.78 Km	Avenue	Plain Land
10.	Pandaveswar	Khottadih OCP	2.50 Ha	Orchard	Int. OBD
		Bilpahari Rehab Site	1.00 Ha	Orchard	Plain land
		Manderboni-S Samla UG	2.30 Km	Avenue	Plain land
11.	Satgram	JK Nagar Group of Mines	16.03 Ha	Miscellaneous	Plain land
12.	Mugma	Hariajam	2.00 Ha	Miscellaneous	Plain land
		Hariajam	0.07 Ha	Avenue	Plain land
		Kumardhubi	0.52 Ha	Avenue	Plain land
		Outside ML Area	4.80 Ha	Miscellaneous	Plain land
13.	SP Mines	Outside ML Area	5.43 Km	Avenue	Plain land
		Chitra OCP	15.50 Ha	Grassing	Int. OBD
14.	Rajmahal	Rajmahal OCP	4.5 Km	Avenue	Plain land
<b>Total</b>			<b>137.03 Ha &amp; 23.51 Km</b>		

**Installation of CAAQMS:**

Procurement of 14 nos. of CAAQMS to provide real-time monitor the air quality at different locations with wide screen display has been completed.

**Companywide ISO Certification:**

ISO Forth and Fifth External Surveillance Certification Audit was conducted for ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 standards. Certification Body recommended for continuation of the Certification for the above standards.





**PLANTATION OVER SUBSIDED LAND, JK NAGAR COLLIERY, SATGRAM-SRIPUR AREA**



**PLANTATION OVER SUBSIDED LAND, JHANJRA UG, JHANJRA AREA**





PLANTATION OVER SUBSIDED LAND, JHANJRA UG, JHANJRA AREA



PLANTATION OVER SUBSIDED LAND, JHANJRA UG, JHANJRA AREA





Latitude: 23°38'32"N  
Longitude: 87°4'43"E  
Elevation: 101.1619 m  
Accuracy: 3.6 m  
Time: 03-07-2023 14:39  
Note: JK Nagar ,Satgram Area 16.03-ha 2023-2024 creation work.

Powered by NoteCam

PLANTATION OVER SUBSIDED LAND, JK NAGAR COLLIERY, SATGRAM-SRIPUR AREA



TROLLY MOUNTED FOG CANNON, BANKOLA RAILWAY SIDING





PLANTATION OVER SUBSIDED LAND, JK NAGAR COLLIERY, SATGRAM-SRIPUR AREA



CONTINUOUS AIR QUALITY MONITORING STATION (CAAQMS) INSTALLED AT KUNUSTORIA AREA



CONTINUOUS AIR QUALITY MONITORING STATION (CAAQMS) INSTALLED AT MUGMA AREA