e) The Dragline of Sonepur Bazari Area will complete its rated life both in years and hours in November, 2026. After completion of its rated life, it will be surveyed off and grounded.

f) Early acquisition of land and shifting of high-tension line in North Searsole and Kenda Area is under process.

9.0 ENERGY CONSERVATION:

9.1 Power and Fuel Consumption:

Sl. No.	Particulars	Unit	2025-26	2024-25
I.	**Electricity Purchased**			
	a. Purchased Units	M.KWH	851.55	867.65
	b. Total amount paid to the supply agencies (Approx.)	Rs. in Crore	593.32	642.27
	c. Rate/Unit (Average)	Rs. / KWH	6.96	7.40
	d. Specific Consumption of Electricity (Approx.)	KWH/Tonne	16.38	16.45
II.	**Demand of Power**			
	a. Average demand of power	MVA	195.35	179.59
	b. Contract Demand	MVA	223.37	207.40
	c. % Utilisation	%	87.45	86.59

9.2 Energy Conservation:

During the year 2025-26, Eastern Coalfields Limited continued its efforts towards implementation of energy efficiency measures across various units and establishments. Against the original targets, 500 LED lights, 110 energy-efficient ACs, 60 Super Fans (BLDC fans), 7 electric vehicles, 82 energy-efficient motors, 30 auto timers for street lighting systems, and 2000 kVAR capacitor banks were installed. The total anticipated savings from these energy efficiency measures during 2025-26 is estimated at about 0.48 Million Units, valued at Rs. 3.39 Crore (approximately), resulting in an estimated reduction of CO_2 emissions by about 862 Te. Net Gain received from improvement of Power Factor during the F.Y. 2025-26 is Rs. 4.50 Crore.

9.3 Underground Machinery Performance:

Equipment	2025-26		2024-25	
	On Roll	Productivity (TPD)	On Roll	Productivity (TPD)
SDL	164	59.00	183	63
LHD	30	106	28	78
Continuous Miner	16	1222	12	1211
Road Header			-	-
Longwall	01	1424	01	539
Highwall	02	1256	02	1058









Mining Machineries and Equipments.



9.4 Performance of CHPs:

As on 31st March, 2026, the two Major CHPs at Sonepur Bazari and Rajmahal handled 21.97 MT of coal in F.Y. 2025-26 in comparison to 24.46 MT of coal during the year 2024-25. The percentage capacity utilization of FMC Project is 97.65%.

9.5 Major achievements during 2025-26:

a) **Indigenous Continuous Miner Package:** ECL has successfully placed a contract order for the supply of an indigenous Continuous Miner (CM) package for the first time, strengthening the Government of India's Atmanirbhar Bharat initiative and reducing dependency on imports.

b) **Deployment of indigenous Battery Operated Multi Utility Vehicle (MUV) & Free Steered Vehicle (FSV):** The indigenous Battery Operated FSV and MUV have been delivered at Jhanjra project to improve underground transportation efficiency and operational flexibility. This a great boost to Make in India initiative of our nation.

c) **Seamless CHP Modernization at Rajmahal:** Replacement of Plough Feeders in the CHP at Rajmahal Area has been executed successfully without any disruption to coal dispatch, demonstrating high standards of planning and execution.

d) **Dry Deshaling Plant at SP Mines Area:** A dry deshaling plant is being introduced for the first time in CIL for dry coal beneficiation. This technology offers a green, water-efficient, and cost-effective alternative to conventional wet washing, particularly for high-ash thermal coal.

e) **Mine Cooling System at Jhanjra Mines:** A mine cooling system is under installation for the first time in CIL, aimed at maintaining safe and productive underground conditions by controlling heat and humidity.

f) **Steam winder to electric winder conversion:** In adherence to the recommendations of the 12th National Conference on Safety in Mines (2020), ECL has successfully completed the conversion of 11 steam winders into electric winders equipped with PLC-based VFD systems, along with modern disc brake arrangements. Additionally, work order has already been issued in FY2025-26 for the conversion of steam winders to electrical winders at 8 more locations within ECL.

9.6 Solar Power Initiatives in ECL:

The ever-increasing global concern over climate change has prompted a shift towards sustainable and eco-friendly energy sources. Among the various renewable energy options, solar power stands out as a shining example of how innovation and technology can make a significant impact on reducing carbon emissions. As the world grapples with the challenges of climate change, the adoption of renewable energy sources becomes paramount in curbing carbon emissions. Among them, solar power has emerged as a shining beacon of hope in the fight against global warming. With the capacity to significantly reduce carbon dioxide (CO_2) emissions, solar energy is equivalent to planting hundreds of trees over the span of decades. We explore the remarkable impact of solar power in reducing CO_2 emissions and its equivalent contribution to tree planting.

Coal India Limited has already instructed to all its subsidiaries with directives to prepare the modalities / action plan for becoming Net Zero Company. Coal India Limited has communicated that to become a Net Zero Company, ECL has to install 525 MW Solar Power Project. Subsequently, ECL has taken initiatives to install Solar Power Projects in its area of operation.

ECL has implemented following Solar Power Projects during the F.Y. 2025-26:

a) **Rooftop Solar Power Project:** ECL has installed 1.775 MW Rooftop Solar Power Project during the F.Y. 2025-26 resulting in total installed capacity of 4.5 MW up-to FY 2025-26. A total of 20,90,623 kWh energy was generated during F.Y. 2025-26 which resulted in saving of Rs. 1.07 Crore.









Solar Initiatives of ECL

b) **Commissioning of 35 MW Solar Power Plant:** A ground-mounted 35 MW solar power plant has been successfully installed and synchronized with the WBSEDCL grid. Power injection has commenced, contributing significantly to green energy adoption and reduction in carbon footprint.

c) **Floating Solar Power Plant (5 MW):** ECL has undertaken installation of a 5 MW floating solar plant at Salanpur Area-the first such initiative across Coal India Limited.

d) **Solar Tree:** The installation of Solar Trees has been planned across the areas of ECL and the tender for the same has been floated.

10.0 WELFARE AMENITIES:

10.1 Welfare amenities during the F.Y. 2025-26:

Sl. No.	Details	Nos.
1.	No. of DAV Schools with Deficit Grant	04
2.	No. of DAV Schools without Deficit Grant but with infrastructure support	02
3.	No. of Privately Managed Schools receiving grant-in-aid	58
4.	No. of Teachers of Privately Managed Schools receiving Grant-in-aid	133
5.	Amount of Grant-in-aid paid to Privately Managed Schools (Rs. in Lakh)	80.61
6.	CIL Scholarship amount disbursed to the 392 wards of employees. (Rs. in Lakh)	48.67
7.	Financial assistance given to 41 wards of Non-Executives studying in selected Govt. Engineering & Govt. Medical Colleges (Rs. in Lakh)	28.90
8.	Amount spent on Sports and Games (Rs. in Lakh)	192.51
9.	Amount spent on Social & Cultural Event	205.27
10.	No. of functional Canteen	78
11.	No. of Branches of banks functioning in ECL Command Area	27
12.	No. of Co-operative Societies	62
13.	No. of primary Common Co-operatives Store	30
14.	No. of central Co-operatives	04

10.2 Welfare initiatives taken by ECL:

ECL undertakes various measures under Welfare activities for the benefit of Employees as well as nearby population through various measures which is as under:

a) Construction of 300 bedded hospital at Mahagama, Godda has been undertaken to enhance the healthcare facility of Godda. ECL has also been awarded for undertaking this project. 1st and 2nd Installment amounting Rs. 60.00 Crore has already been disbursed and 3rd Installment is under process for disbursement to Director-in-Chief Health Services.

b) During the F.Y. 2025-26, deficit grant for an amount of Rs. 3,26,44,003.25/- has been paid to DAV schools operating in different Area of ECL where ECL wards and students of nearby villages does schooling at minimal cost.

c) Digitalization and startup of online service portal for scholarship and financial assistance is in operation since 2019-20. In F.Y. 2025-26, an amount of Rs. 77,56,575 /- for Scholarship and Financial Assistance has been disbursed to the wards of the employees of ECL.