

## MANAGEMENT DISCUSSION AND ANALYSIS

### FORWARD-LOOKING STATEMENTS:

Statements in this Annual Report, particularly those that relate to Management Discussion and Analysis, describing the Company's objectives, projections, estimates and expectations, may constitute 'forward-looking statements' within the meaning of applicable laws and regulations. Such statements are necessarily dependent on projection and trends and constitute our current expectations based on reasonable assumptions. However, the actual results might differ from those expressed or implied in such forward-looking statements due to risks, uncertainties and other external factors.

### GENERAL OVERVIEW OF THE ECONOMY:

Real GDP or GDP at Constant Prices is estimated to attain a level of ₹184.88 lakh crore in the financial year 2024-25, against the Provisional Estimate of GDP for the year 2023-24 of ₹173.82 lakh crore. The growth rate in Real GDP during 2024-25 is estimated at 6.4% as compared to 8.2% in 2023-24. Nominal GDP or GDP at Current Prices is estimated to attain a level of ₹324.11 lakh crore in the year 2024-25, against ₹295.36 lakh crore in 2023-24, showing a growth rate of 9.7%. In 2025, India's GDP in purchasing power parity (PPP) terms is estimated to be \$17.65 trillion.

However, geopolitical tensions, global trade risks, and ongoing conflicts remain significant concerns. Inflationary trends indicate a decline, with retail headline inflation reducing from 5.4 percent in FY24 to 4.9 percent in April–December 2024. Capital expenditure has consistently improved, with an 8.2 percent year-on-year increase post-general elections (July–November 2024). India also maintains its position as the seventh-largest global exporter of services, reflecting its strong competitiveness in the sector.

Private consumption and investment remain crucial drivers of economic growth. Rural demand is showing signs of recovery, supported by higher agricultural output and government welfare measures. Urban consumption continues to be robust, driven by increased disposable incomes, a thriving services sector, and improved employment prospects. Meanwhile, government spending on social infrastructure, including healthcare and education, remains a priority to ensure inclusive growth.

In 2024-25, India's economy is ranked fifth in the world by GDP. India's GDP growth rate has been consistently strong and the country is currently the fastest-growing major economy due to its strong economic foundation, thriving domestic demand, careful financial management, high saving rates, technological advancements and high infrastructure investments.

## INDUSTRY STRUCTURE AND DEVELOPMENT:

1. India's power sector, the sixth-largest globally, is continuously evolving to meet the pace of accelerated manufacturing, rapid urbanization, and expanding agricultural activities. Rising domestic energy demand has driven notable advancements in power generation, transmission, and distribution, with a dynamic shift towards renewable energy sources.
2. Floating solar projects across 30 major dams with a combined potential of 3,567 megawatts (MW) are in the process of implementation.
3. With a commitment to achieving 500 GW of non-fossil fuel-based energy capacity by 2030, India is emerging as a global leader in clean energy. As of March 2025, India's total non-fossil fuel based energy capacity has reached 220 GW, however substantial effort remains.
4. Size and growth of the hydropower segment - As of January 2025, the installed large hydropower capacity in the country stands at 46,968.17 MW. Of the total installed renewable energy capacity (212.17 GW) as of January 2025, hydro comprises over 52 GW, that is, around 24 per cent. Of the 46.97 GW large hydro capacities, the central share is 34 per cent (15.7 GW), the private sector share is 8 per cent (3.93 GW) and state share is 58 per cent (27.29 GW).
5. The electricity generation target for the year 2024-25 is fixed at 1900 BU comprising of 1444.943 BU Thermal; 147.709 BU Hydro; 55.348 Nuclear; 8 BU Import from Bhutan and 244 BU RES (Excl. Large Hydro).
6. The electricity generation target (Including RE) for the year 2024-25 has been fixed as 1900 Billion Unit (BU). i.e. growth of around 9.3% over actual generation of 1738.828 BU for the previous year (2023-24). The generation during 2023-24 was 1738.828 BU as compared to 1624.465 BU generated during 2022-23, representing a growth of about 7.04%.
7. In addition to the recent developments, West Bengal is leading from the front in sustainable growth and setting a powerful example for clean, inclusive development. Presently 1200 electric buses run in Kolkata reflecting commitment to urban decarbonisation.

**CENTRAL COMMERCIAL (CCD):**

<b>CENTRAL COMMERCIAL DEPARTMENT (C.C.D)</b>					
<b>A. Demand in MU for the Financial Year 2024-2025 of De-centralized Bulk Consumers</b>				<b>Capacity addition for De-centralized Bulk consumers for the F.Y. 2024-2025</b>	
<b>Sl. No.</b>	<b>Name of the Unit (Region Name/ Zone Name)</b>	<b>Demand in MU</b>	<b>Demand in Rs. (in CRORES)</b>	<b>Connection effected in 2024-'25 (in Nos.)</b>	<b>KVA added in 2024-'25 (in KVA)</b>
1	24-PARGANAS (SOUTH) REGIONAL OFFICE	224.14	200.37	56	10551
2	24-PARGANAS (NORTH) REGIONAL OFFICE	377.59	322	102	16285
3	BIDHANNAGAR REGIONAL OFFICE	386.39	362.95	83	15550.7
4	HOWRAH REGIONAL OFFICE	835.51	684.49	170	33101
	<b>Kolkata Zone</b>	<b>1823.63</b>	<b>1569.81</b>	<b>411.00</b>	<b>75487.70</b>
5	BIRBHUM (DIST.) REGIONAL OFFICE	236.62	211.93	94	12062
6	BURDWAN REGIONAL OFFICE	661.73	489.06	65	13358
7	PASCHIM BURDWAN REGIONAL OFFICE	712.03	495.27	70	13162
8	HOOGHLY REGIONAL OFFICE	610.94	489.46	99	16550
	<b>Burdwan Zone</b>	<b>2221.32</b>	<b>1685.72</b>	<b>328.00</b>	<b>55132.00</b>
9	BANKURA REGIONAL OFFICE	173.55	144.01	33	5272
10	PASCHIM MIDNAPUR REGIONAL OFFICE	238.56	190.37	35	6777
11	PURBA MEDINIPUR REGIONAL OFFICE	174.44	152.24	73	9893
12	PURULIA REGIONAL OFFICE	82.16	72	31	5247
13	JHARGRAM REGIONAL OFFICE	28.31	25.67	6	880
	<b>Midnapore Zone</b>	<b>697.02</b>	<b>584.29</b>	<b>178.00</b>	<b>28069.00</b>
14	MALDA REGIONAL OFFICE	126.41	107.49	15	2726
15	MURSHIDABAD REGIONAL OFFICE	141.23	119.43	31	4694
16	NADIA REGIONAL OFFICE	128.83	114.19	59	8052

	<b>Berhampore Zone</b>	<b>396.47</b>	<b>341.11</b>	<b>105.00</b>	<b>15472.00</b>
17	DARJEELING REGIONAL OFFICE	304.55	259.57	65	11494.65
18	JALPAIGURI REGIONAL OFFICE	320.93	269.92	54	7964
19	UTTAR DINAJPUR REGIONAL OFFICE	164.53	139.83	24	3656
20	ALIPURDUAR REGIONAL OFFICE	72.51	64.55	30	5080
21	DAKSHIN DINAJPUR REGIONAL OFFICE	55.43	47.8	11	2167.58
22	COOCHBEHAR REGIONAL OFFICE	106.3	85.92	26	4122
23	KALIMPONG REGIONAL OFFICE	13.12	13.68	0	0
	<b>Siliguri Zone</b>	<b>1037.37</b>	<b>881.27</b>	<b>210.00</b>	<b>34484.23</b>
<b>Total De-centralized Bulk Consumers under WBSEDCL</b>		<b>6175.81</b>	<b>5062.20</b>	<b>1232.00</b>	<b>208644.93</b>

<b>B. Demand and Collection for the financial year 2024-2025 i.r.o. Centralized Bulk Consumers and within New Town Area</b>					
<b>Sl. No.</b>	<b>Category</b>	<b>Demand in MU</b>	<b>Collection in MU</b>	<b>Effectuated in 2024-25 (in Nos.)</b>	<b>Effectuated in 2024-25 (in KVA)</b>
1	<b>Centralized Bulk Consumers</b>	<b>12896.04</b>	<b>12145.82</b>	<b>41</b>	
		<b>Demand in RS(CRORES)</b>	<b>Collection in RS(CRORES)</b>		<b>276426</b>
		<b>8953.19</b>	<b>7952.7</b>		

#### **CUSTOMER RELATIONS MANAGEMENT (CRM):**

The CRM Cell headed by a Chief Engineer remains focused on redressing customer issues and continued to work for achievement of the followings during the year 2024-25.

1. For effective grievance redressal, WBSEDCL has developed an online Grievance Mechanism, with detailed SOPs, including escalation matrix with timeframe and for reverting to business among others for handling grievances. The cell is representing the Company at the appellate level i.e before Ld. Ombudsman for the customer grievances. During 2024-25 a total of 235 (Two Hundred Thirty Five) numbers of new cases has been handled.

2. Number of cases escalated before Ld. Ombudsman by the petitioners & finally ordered during 2024-25 is 275 (Two Hundred Seventy Five) numbers (including previous year balance) out of which no case was awarded with compensation.
3. The Cell attends hearing and re-hearing in respect of new cases as well as existing cases after submission of comments, objections, replies, documents and evidences on factual basis so that the grievances are resolved in a balanced manner and within the regulatory ambit.
4. The Cell attends the hearing of Ld. Commission on call.
5. The Cell is handling the role of Central Grievance Redressal Officer (CGRO). During the period 63 (Sixty Three) numbers of new cases of grievances have been registered and subsequently those have been dealt with by conducting hearing, re-hearing and passing of interim, draft and final order in addition to the previous cases.
6. Being the Appellate authority of CESC Ltd. as mandated by Govt. of West Bengal, under Section 127 of Electricity Act, 2003, a total of 7 (Seven) numbers cases of CESC Ltd. have been dealt with.
7. To review the performance and capacity building of Regional Forum, a total of 10 (Ten) numbers of video conferences were conducted during the period 2024-25 where 23 nos. of regions participated.
8. Extending faculty support at different EETIs and KJTC spreading across the State for 28 numbers of 2 days workshop on CRM activities with special reference to bill and new service connection related dispute.
9. CRM Cell has designed orientation program on “Regulatory matters and Skill Development for Effective Grievance Redressal” for the RGROs and training program on “Advance Refresher Course on CRM activities” for the Station Managers and others.
10. Random checking of complaint docketed at Zonal Call Centres by interacting with the complainant, Station Manager, Mobile Van Operator, CFOs at ZCC and CCC levels to ensure better service.
11. Regular maintenance and review of various application tools, grievance related information updation of the Company portal.
12. Day to day handling of customer issues through phone, system based dockets, email, letters and personal visits
13. Handling audit, legal issues, cyber crime related queries and usual day to day administrative requirement of the cell.

14. The Cell handled all complaint received from CMO Grievances Portal through Power Department, Govt. of West Bengal on daily basis and interacted with various authority of the Company for early resolution. In this context, to mitigate the grievances, this Cell has conducted 10 (Ten) numbers video conference with Zonal level representatives and other associated officers who handled the grievances.

## **POWER TRADING & PROCUREMENT:**

### **Progress:**

- Power Trading & Procurement Department successfully achieved the objective of 24 x 7 interruption free cost-effective supply of power to the consumers of WBSEDCL although the demand of consumers is increasing day by day. The above is achieved through effective management of current portfolio of PPAs and induction of new power supply portfolio by execution of long term & short-term agreement (through purchase / sale of power) including own source of RE, Solar, Hydro and Pump Storage.
- An agreement is executed by & between WBSEDCL & JSW Thermal Energy Ltd. for supply of power from the 2x800 MW, i.e., 1600 MW plant to be developed.
- Agreements with NHPC are executed for supply of power from Teesta – VI & Parbati-II power station.
- Agreements executed with Petro Carbon & Chemical Ltd., Rashmi group of companies for supply of power.
- Uninterrupted power supply during festive season, board exams & elections in the state.
- Real time balancing & optimization of power supply through Real Time Market (RTM).

### **AREA LOAD DESPATCH CENTRE (ALDC):**

In compliance with the Regulatory Guidelines, Area Load Despatch Centre (ALDC) has been formed with the onus of efficient consumer demand management assiduously on techno-commercial principle. Interruption free service to the consumer with quality in toto is the motto of ALDC. Not only the quality service but also economic despatch of power from multisource availability with the exploration of real time power market is also monitored round the clock for commercial interest of consumer. To serve such responsibility, qualified & well trained engineers along with dedicated technical personnel are monitoring the situation round the clock (24X7) in three shifts of operation per day. Apart from the real time operational activity, ALDC is also entrusted with procurement of power through TAM, DAM, RTM or spot market in the vent of contingency, short term & long term perspective. ALDC plays a pivotal role in maintaining the grid-discipline through its scrupulous

operation. Furthermore, ALDC also procures ECerts as and when intended by WBSEDCL. Demand generation balance planning for power purchase portfolio management. To ensure perfection in performance of such important wing like ALDC, Company has provided all infrastructural support viz. SCADA, communication etc.

### **REGULATORY AFFAIRS:**

Regulation Cell looks after all Regulatory works related to WBERC and CERC. Different applications are filed before both the Commissions for approval of investment, Power Purchase Agreement & other issues to remove difficulties and also simultaneous compliance of Regulations. Regulation Cell prepares and submits views on draft regulation / Rules / Policies /Act issued by CERC/WBERC /Govt.

Regulation Cell offers views / Objection against application of other utilities / order of Commission before APTEL or CERC or WBERC. Further action is taken including filing cases against other utilities / order of Commission in civil Court/ High Court/ Supreme Court.

### **Performance/Achievement during the period 2024-25**

- 1) APR application for the year 2023-24 submitted on 29/11/2024.
- 2) FPPCA application for the year 2023-24 submitted on 20/09/2024.
- 3) Twenty-four (24) nos. applications on various issues submitted before WBERC for seeking permission/ approval apart from sl. no. 1 & 2.
- 4) Submission of CEA's General Review for 2023-24.
- 5) Submission of Cost of Generation & rate of sale of power to CEA for 2023-24.
- 6) Purchase of energy by WBSEDCL during the year 2024-25 from different non-conventional and Renewable energy sources:

Sl. No.	Type	No of Generator	Contract Quantum (MW)	Energy Supplied (MU)
		<b>2024-25</b>	<b>2024-25</b>	<b>2024-25</b>
a	Mini Hydel	2	6.00	8.374
b	Co-generation	10	77.1	171.5
c	Solar	2	40	77.361
d	Hybrid (Solar +Wind)	1	100	Solar: 204.047 Wind: 199.876
	<b>TOTAL</b>	<b>15</b>	<b>223.10</b>	<b>661.158</b>

### **Others:**

7. Pursuing cases on regulatory issues pending before different forum such as CERC, WBERC.

**Project Implementation Status under Project-I Department for the period from 01.04.2024 to 31.03.2025**

**Implementation of HVDS work under WBEDGMP**

Name of the Project	Name of the District/ Location	Awarded Value (INR in Cr.) including GST	Executed Qty/ Physical Progress of Work as on 31.03.2025	Work status as on 31.03.2025	Revised/ Anticipated Project Value (INR in Cr.) including GST & including PV	Work Progress (in %) as on 31.03.2025		Financial Progress in FY 2024-25 (INR in Cr.)		Remarks
						Physical	Financial (i.r.o Revised/ Anticipated value)	During FY 24-25	Cumulative up to 31.03.2025	
West Bengal Electricity Distribution Grid Modernization Project (WBEDGMP)	Howrah	54.01	1. Splitting of 100 KVA DTR: 203 2. Splitting of 63 KVA DTR: 100 3. Conversion of LT Line with ABC: 1020 CKM	Completed. DoC: 30.06.2023. Final Amendment Order issued.	57.19	100%	84.14%	143.92	655.82	1. The project is executed under West Bengal Electricity Grid Modernization Project (WBEDGMP).  2. The Project is funded through Loan assistance from World Bank (IBRD): 35%, & AIIB: 35% and GoWB: 30% in the form of Equity Share to WBSEDCL.
	Purba Medinipur	58.51	1. Splitting of 100 KVA DTR: 193 2. Splitting of 63 KVA DTR: 139 3. Conversion of LT Line with ABC: 854 CKM	Completed. DoC: 09.09.2023. Final Amendment Order issued.	53.1	100%				
	Bankura	49.40	1. Splitting of 100 KVA DTR: 199 2. Splitting of 63 KVA DTR: 107 3. Conversion of LT Line with ABC: 775 CKM	Completed. DoC: 12.04.2023. Final Amendment Order issued.	43.58	100%				
	Purulia	50.00	1. Splitting of 100 KVA DTR: 181 2. Splitting of 63 KVA DTR: 172 3. Conversion of LT Line with ABC: 1084 CKM	Completed. DoC: 31.01.2025. Closure Proposal awaited.	58.99	100%				



Cooch Behar	49.49	1. Splitting of 100 KVA DTR: 134 2. Splitting of 63 KVA DTR: 112 3. Conversion of LT Line with ABC:1009 CKM	Completed. DoC: 31.08.2023. Final Amendment Order issued.	51.52	100%
Alipurduar	50.53	1. Splitting of 100 KVA DTR: 140 2. Splitting of 63 KVA DTR: 95 3. Conversion of LT Line with ABC: 1160 CKM	Completed. DoC: 31.05.2024. Final Amendment Order issued.	60.65	100%
Malda	59.64	1. Splitting of 100 KVA DTR: 255 2. Splitting of 63 KVA DTR: 116 3. Conversion of LT Line with ABC: 896 CKM	Completed. DoC: 30.06.2024. Final Amendment Order issued.	63.61	100%
Uttar Dinajpur	53.76	1. Splitting of 100 KVA DTR: 124 2. Splitting of 63 KVA DTR: 190 3. Conversion of LT Line with ABC: 997 CKM	Completed. DoC: 25.08.2023. Final Amendment Order issued.	53.47	100%
Dakshin Dinajpur	53.76	1. Splitting of 100 KVA DTR: 183 2. Splitting of 63 KVA DTR: 199 3. Conversion of LT Line with ABC: 915 CKM	Completed. DoC: 10.07.2023.Final Amendment Order issued.	53.10	100%
Nadia	53.72	1. Splitting of 100 KVA DTR: 178 2. Splitting of 63 KVA DTR: 131 3. Conversion of LT Line with ABC: 1184 CKM	Completed. DoC: 31.03.2025. Closure Proposal awaited.	50.23	100%

<b>Murshidabad</b>	<b>58.81</b>	<b>1. Splitting of 100 KVA DTR: 186 2. Splitting of 63 KVA DTR: 106 3. Conversion of LT Line with ABC: 967 CKM</b>	<b>Completed. DoC: 30.11.2024. Closure proposal processed &amp; expected to be placed to the BoD meeting to be held in April, 2025.</b>	<b>52.09</b>	<b>100%</b>				
<b>Jalpaiguri</b>	<b>63.95</b>	<b>1. Splitting of 100 KVA DTR: 168 2. Splitting of 63 KVA DTR: 140 3. Conversion of LT Line with ABC: 1554 CKM</b>	<b>Completed. DoC: 30.05.2024. Final Amendment Order issued.</b>	<b>75.44</b>	<b>100%</b>				
<b>Darjeeling (Plain Area)</b>	<b>18.50</b>	<b>1. Splitting of 100 KVA DTR: 722. Splitting of 63 KVA DTR: 473. Conversion of LT Line with ABC: 335 CKM</b>	<b>Completed. DoC: 17.04.2024. BoD approval already obtained for issue of Final Amendment Order.</b>	<b>21.75</b>	<b>100%</b>				
<b>Darjeeling &amp; Kalimpong (Hill Area)</b>	<b>69.07</b>	<b>1. Splitting of 100 KVA DTR: 11 2. Splitting of 63 KVA DTR: 35 3. Conversion of LT Line with ABC: 336 CKM</b>	<b>Ongoing. Expected DoC: 25.10.2025.</b>	<b>84.68</b>	<b>36%</b>				
<b>Total</b>	<b>743.15</b>	<b>1. Splitting of 100 KVA DTR: 2227 2. Splitting of 63 KVA DTR: 1689 3. Conversion of LT Line with ABC: 13086 CKM</b>		<b>779.40</b>	<b>95%</b>				

## Report of Project-II Department for the period from 01.04.2024 to 31.03.2025

**A. REVAMPED DISTRIBUTION SECTOR SCHEME (RDSS)** [A joint endeavour of the State and the Central Govt.] was sanctioned by the Ministry of Power, Govt. of India for the entire State of West Bengal with the following **objectives**:

- Improve the quality, reliability and affordability of power supply to consumers through a financially sustainable and operationally efficient Distribution Sector.
- Reduce the AT&C losses to 12.11% by 2024-25.
- Reduce ACS-ARR gap to zero by 2024-25.

### **B. RDSS SCHEME OVERVIEW**

- It is Reform Based Result linked Scheme.
- To provide 24x7 uninterrupted, quality, reliable and affordable power supply.
- Scheme launched on :- 20.07.2021
- Duration of Scheme: - 5 years (FY-2021 to FY-2026).
- West Bengal: Rs. 19,738.95 Crore (Approved vide Letter No. REC/RDSS/West Bengal/2022-23/359 Dt. 20th December 2022, amounting to Rs. 7,115.83 Cr for Loss Reduction work & Rs. 12,623.12 Cr for Metering work)
- Sunset date of the Scheme: 31.03.2026.

### **C. Present Status (Activities Under RDSS Loss Reduction under Project II Department):**

#### **C.1. District wise Progress for LT AB Cable conversion, Feeder Segregation and Feeder Bifurcation work (up to 31.03.2025)**

District	LT AB CABLE CONVERSION		FEEDER SEGREGATION		FEEDER BIFURCATION	
	R BOQ/ Scope (In Km)	Completed (In Km)	R BOQ/ Scope (In Km)	Completed (In Km)	R BOQ/ Scope (In Km)	Completed (In Km)
South 24 Pgs	15720	7828	0	0	48	7
North Parganas	6489	3246	7	1	4	1
Howrah	4838	2332	0	0	24	3
Paschim Medinipur	9265	5375	9	2	12	2
Purba Medinipur	8987	3581	8	0	16	0
Bankura	6970	2809	0	0	2	2
Purulia	2800	1239	0	0	3	2

Darjeeling	815	189	0	0	0	0
Jalpaiguri	1416	654	0	0	1	0
Alipurduar	1000	586	0	0	3	0
Coochbehar	4046	2403	0	0	1	1
Uttar Dinajpur	5262	1625	5	0	9	0
Dakshin Dinajpur	4150	1190	0	0	4	0

## C.2. District wise Progress for PTR and DTR Augmentation work (up to 31.03.2025)

District	SUB-STATION AUGMENTATION			AUGMENTATION/MODERNISATION OF SYSTEM					
	No of S/S in Scope	No of PTR in Scope	No of PTR Charged /Commis sioned	1Ph to 3Ph 63 KVA DTR (In Nos.)		1Ph to 3Ph 11KV Line (in CKm)		Conv of 1Ph Bare to 3Ph AB Cable (in CKm)	
				Sc ope	Comp leted	Scope	Comp leted	Scope	Comp leted
South 24 Pgs	9	23	14						
North 24 Parganas	9	11	8						
Howrah	3	3	3						
Paschim Medinipur	2	2	2	550	50	328	16	236	64
Purba Medinipur	5	5	4						
Bankura	6	6	6						
Purulia	0	0	0	80	40	33	2	54	23
Darjeeling	4	5	4						
Jalpaiguri	1	2	2						
Alipurduar	1	1	1						
Coochbehar	3	4	1						
Uttar Dinajpur	2	3	3						
Dakshin Dinajpur	3	3	3						
Hooghly	3	4	3						
Purba Burdwan	7	8	1						
Paschim Burdwan	2	2	1						
Birbhum	5	6	4						
Nadia	1	1	0						
Murshidabad	7	9	6						
<b>Total</b>	<b>84</b>	<b>98</b>	<b>66</b>	<b>630</b>	<b>90</b>	<b>361</b>	<b>18</b>	<b>290</b>	<b>87</b>

**D. Target/Goal in the ensuing FY 2025-26 as well as financial implications:**

<b>Particulars</b>	<b>Cumulative target Physical Progress up to March 2026 (%)</b>
Loss Reduction Works Except IT /OT	100%

**Report of Project-III Department for the period from 01.04.2024 to 31.03.2025**

West Bengal Distribution Grid Modernisation Project - Under World Bank loan financing a total Project Cost of Rs:2800.54 Cr. have been principally approved for different project work. Out of the total cost 30% funding will be done from WBSEDCL equity /Grant of West Bengal and rest 70% is World bank loan. Out of this, Underground Cabling works will be done for 7(seven) Nos. towns and GIS sub stations will be constructed at 16 nos. locations in different districts of West Bengal. Under World Bank and AIIB financing, it has an estimated project cost of 1030 Crores for Under ground cabling works. At present, LOA has been placed for 7 nos. Towns having a total monetary involvement of Rs.1247.06 crores (as per revised LOA). These towns are Baruipur, Rajarhat, Baguiati-Kestopur, Kharagpur, Asansol, Chandannagar & Siliguri.

For UG cabling- LOA Placed – Rs.1247.06 Crs. Financial Achievement up to March'25- Rs.872.94 Crs. Estimated Expenditure in 2025-2026- Rs.374.12 cr.

For GIS Substation- LOA Placed – Rs.198.79 Crs. Financial Achievement up to March'25- Rs.133.49 Crs. Estimated Expenditure in 2025-2026- Rs. 65.3 cr.

A:- Conversion of O.H. to U.G Network for Baruipur, Rajarhat, Baguihati, Kestapur, Asansol, Kharagpur, Chandannagar & Siliguri										
Description							Achievement upto 31st March'2025		Plan for 2025-2026	
Sl. No.	Name of Town	District / Region	Name Of Item	Unit	R BOQ Scope	Project Cost (Rs. Cr.)	Physical	Financial (Rs. Cr.)	Physical	Financial (Rs. Cr.)
1	Baruipur	South 24 Pgs	UG Line	KM	411.314	127.36	348.348	106.02	62.966	21.34
			AB Cable	KM	41.185		29.985		11.2	
			DTR	NOS	235		206		29	
			RMU	NOS	304		269		35	
2	Rajarhat	North 24 Pgs / Bidhannagar	UG Line	KM	258.951	105.48	243.733	101.93	15.218	3.55
			AB Cable	KM	8.035		8.02		0.015	
			DTR	NOS	192		172		20	
			RMU	NOS	489		462		27	
3	Baguiati	North 24 Pgs / Bidhannagar	UG Line	KM	359.418	117.31	275.264	83.96	84.154	33.35
			AB Cable	KM	234.74		153.145		81.595	
			DTR	NOS	139		106		33	
			RMU	NOS	292		238		54	
4	Asansol-I	West Burdwan	UG Line	KM	451.360	153.38	250.869	110.81	200.491	42.57
			AB Cable	KM	57		0		57	
			DTR	NOS	334		225		109	
			RMU	NOS	344		269		75	
5	Asansol-II	West Burdwan	UG Line	KM	515.394	189.78	243.266	106.92	272.128	82.86
			AB Cable	KM	80		2.407		77.593	
			DTR	NOS	364		288		76	
			RMU	NOS	384		334		50	
6	Kharagpur	West Medinipur	UG Line	KM	394.339	189.80	394.339	178.32	0	11.48
			AB Cable	KM	29.856		28.536		1.32	

			DTR	NOS	349		349		0	
			RMU	NOS	578		578		0	
7	Chandannagar	Hooghly	UG Line	KM	255.902	115.79	240.039	82.31	15.863	33.48
			AB Cable	KM	174.551		174.551		0	
			DTR	NOS	235		196		39	
			RMU	NOS	258		223		35	
8	Siliguri	Darjeeling	UG Line	KM	348.734	248.16	33.978	102.67	314.756	145.49
			AB Cable	KM	150		0		150	
			DTR	NOS	285		0		285	
			RMU	NOS	437		0		437	
<b>Total</b>						<b>1247.06</b>		<b>872.94</b>		<b>374.12</b>

<b>B:- Conversion of 33/11 KV Gas Insulated Sub station alongwith associated 33KV &amp; 11 KV lines.</b>								
<b>Description</b>					<b>Achievement upto 31st March'2025</b>		<b>Plan for 2025-2026</b>	
<b>Sl. No.</b>	<b>Name of Town</b>	<b>District / Region</b>	<b>Capacity</b>	<b>Project Cost LOA/RBOQ (With GST) Rs in Cr.</b>	<b>Physical</b>	<b>Financial (Rs. Cr.)</b>	<b>Physical</b>	<b>Financial (Rs. Cr.)</b>
1	Sonapur	Alipurduar	(2 x 10 MVA)	27.38	100%	27.38	COMPLETED	0.00
2	Barovisa		(2 x 10 MVA)					
3	Choprajhar	Uttar Dinajpur	(2 x 10 MVA)	13.29	60%	9.03	40%	4.26
4	Maligaon	Dakshin Dinajpur	(2 x 10 MVA)	11.69	98%	8.90	2%	2.79
5	Dongalon	Bankura	(2 x 10 MVA)	17.55	95%	10.13	5.0%	7.42
6	Radhanagar		(2 x 10 MVA)					

7	Junpukur	Purba Medinipur	(2 x 10 MVA)	30.18	95%	22.42	5.0%	7.76
8	New Digha		(2 x 10 MVA)					
9	Berubari	Jalpaiguri	(2 x 10 MVA)	22.16	91%	15.25	9%	6.91
10	Meteli		(2 x 6.3 MVA)					
11	Domjur	Howrah	(2 x 10 MVA)	20.00	100%	18.51	COMPLETED	1.49
12	EPC		(2 x 10 MVA)					
13	Shantipur	Nadia	(2 x 10 MVA)	16.81	99%	9.96	1%	6.85
14	Mongalbari	Malda	(2 x 10 MVA)	12.87	85%	5.71	15%	7.16
15	Cossimbazar	Murshidabad	(2 x 10 MVA)	12.02	70%	6.20	30%	5.82
16	Mahishila	Paschim Burdawan	(2 x 10 MVA)	14.84	10%	0.00	90%	14.84
<b>Total</b>				<b>198.79</b>		<b>133.49</b>		<b>65.3</b>

GIS Substation commissioned in 2024-25			
Sl. No.	District	Sub- Station	No. of Sub Station
1	Howrah	EFC Park	08 Nos
		Domjur	
2	Bankura	Dongalon	
		Radhanagar	
3	Purba Medinipur	New Digha	
4		Junpukur	
4	Dakshin Dinajpur	Choprajhar	
5	Jalpaiguri	Berubari	



### **C. Creation of back end Infrastructure for Electric Vehicle (EV) Charging Station (Under RDSS)**

WBSEDCL, being the State Nodal Agency for boosting EV charging, has taken initiative for creation of back end infrastructure for 854 charging stations under RDSS across the state in its licensed area. Tender for 188 nos. of such charging location was floated in three phases and LOAs for creation of charging infrastructure have been placed for 188 nos. of locations. Work in 128 locations has been started in the FY 2024-25. Creation of EV Charging infrastructure at 9 (nine) locations has been completed in the FY 2024-25.

#### **Achievement upto March 2025:**

1. Tender Floated: For 188 Locations (in three phases)	Financial involvement: Rs.16.92 Cr.
2. LOA Placed: For 149 Locations	Financial involvement: Rs.13.41 Cr.
3. Charging Station Energised: 14 Locations	Financial involvement: Rs.1.26 Cr.

#### **Plan for 2025-26:**

Energisation of Charging Station : 350 Locations	Financial involvement: Rs.31.50 Cr.
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## Report of Project-IV Department for the period from 01.04.2024 to 31.03.2025

### Present Status Activities under RDSS Loss Reduction

#### C.1. District wise Progress for LT AB Cable conversion, Feeder segregation and Feeder Bifurcation work up to 31.03.2025

District	LT AB CABLE CONVERSION		Feeder Segregation		Feeder Bifurcation	
	R BOQ/Scope (In KM)	Completed (In KM)	R BOQ/Scope (In KM)	Completed (In KM)	R BOQ/Scope (In KM)	Completed (In KM)
Hooghly	1900	664.74	6.22	6.00	21.91	10.02
Purba Burdwan	9259.24	5008.13	36.38	5.73	88.44	27.45
Paschim Burdwan	1200	393.81	0.00	0.00	30.21	10.5
Birbhum	8696.2	2415.84	0.00	0.00	131.10	5.55
Nadia	5500	3170.53	90.30	44.37	158.53	48.3
Murshidabad	13582.46	5088.66	164.58	52.41	104.44	10.28
Malda	6578.14	3179.26	53.29	20.33	15.10	4.4
<b>Total</b>	<b>46716.04</b>	<b>19920.97</b>	<b>350.77</b>	<b>128.84</b>	<b>549.73</b>	<b>116.5</b>

#### C.2. Progress for Augmentation of HT OH conductor by DOG up to 31.03.2025

District: Hooghly, Purba Burdwan, Paschim Burdwan, Birbhum, Nadia, Murshidabad and Malda	NOA placed for Augmentation of HT OH conductor by DOG for 1066.97 CKM	GTP and Drawing approved. Material Procurement in process
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#### C.3. Progress for Supply, Installation and Commissioning of 11 kV Capacitor bank up to 31.03.2025

District: Purba Burdwan, Birbhum, Nadia, Murshidabad and Malda	NOA placed for Supply, Installation and Commissioning of 51 nos. 11 kV Capacitor Bank.	GTP and Drawing approved. Material Procurement in process
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#### D. Target/Goal in the ensuring FY 2025-26 as well as financial implications

Particulars	Cumulative target Physical Progress up to March 2025 (%)
Loss Reduction Works Except IT/OT	100%

## **DISTRIBUTION HEAD QUARTERS:**

### **A. Special Achievement during F.Y 2024-25**

- 9,87,329 nos. of new connection have been added during F.Y 2024-25 from where it had left in FY 2024-25.
- During FY 2024-25, total 1217 nos. of Bulk service connections were effected across all categories.
- 18 (Eighteen) nos. of 33/11 KV Sub-Station(s) have been commissioned under WBSEDCL during FY 24-25 with capacity addition of around 249.3 MVA.
- Capacity addition of 66 Nos. of existing 33/11 KV Sub-Station have been done during current FY 2024-25) with additional capacity of 283.6 MVA (approx.) to cater additional load demand.
- 173.25 KM of new 33 KV line, 685 KM of new 11 KV line & 2760 KM of LT lines have been drawn during the current FY (i.e 2024-25).
- During the FY 2024-25, total 14397 no. of Distribution Transformers have been installed with capacity of 650 MVA (approx.) to meet up the huge load growth.
- During FY 2024-25, 1031 nos. S/S's 11 KV outgoing feeder metering has been completed and already integrated with NFMS portal.
- At Malda, new Zonal Office has been created comprising of Malda, Uttar-Dinajpur & Dakhin-Dinajpur Districts & at Gazole (Malda District) one new Division Office has been opened during the current FY (2024-25).
- Under Smart Metering Project, so far 2.6 lakhs (approx.) Smart Meters have been installed by replacing the existing meters and the pace of replacement work will be intensified in coming years.
- As of now WBSEDCL has participated in five editions of "Duare Sarkar" campaigns of Government of West Bengal viz. 5th, 6th, 7th ,8th & 9th editions. The 9th edition of Duare Sarkar campaign was held in FY 2024-25. Under "Duare Sarkar" campaigns as on date total 1,47,536 nos. of new electric connections have been effected and under Partial Waiver scheme of "Duare Sarkar" campaigns, till FY 2024-25 total Rs 591 Crore have been waived of against the collection of old outstanding dues of Rs 109.13 Crore i.r.o 2,82,680 nos. of consumers.
- The Revamped Distribution Sector Scheme (RDSS) [joint endeavour of State & Central Government] has been on-going for various improvement of electrical infrastructure throughout the State.
- To arrest the system vulnerabilities and also to eradicate electrical accident, significant works have been carried out from the Distribution Wing during the current FY 2024-25, such as i)

installation of spacers ii) installation of cradle guards iii) erection of mid-span poles for strengthening of line iv) Re-sagging v) increasing the height of electrical lines in road crossing vi) replacement of ageing conductors vi) Installation of DTR kiosks vi) shifting of LT/HT lines from the vicinity of schools, hospitals, public places etc.

**B. Major Initiatives scheduled to be taken for the next Financial Year (2025-26)**

- 41 Nos. of new 33/11 KV Sub-Station is planned to establish in F.Y 2025-26 under various schemes & also capacity to be increased against 70 nos. of existing 33/11 KV Sub-Station to cater the ever-increasing power demand.
- During 2025-26 all the left out 11 KV & 33 KV feeders will be metered by Smart meters and to be integrated with NFMS portal phase-wise.
- Various system improvement works viz conversion of bare conductor by AB Cable, Feeder segregation, Feeder bifurcation, Capacity Augmentation of Sub-Station, Conductor Replacement, Phase Conversion, Installation of capacitor bank etc shall be undertaken in mass scale from FY 2025-26 under proposed RDSS scheme of Govt & other schemes for system improvement, reduction of losses as well as to combat the ever-increasing load demand.
- Installation of SMART meter of around 44 lakhs to be done under RDSS & World Bank funded scheme in phased manner.
- Creation of Infrastructure for EV charging station, has been undertaken by WBSEDCL (being the State Nodal Agency of e-vehicle charging infrastructure), already been started from FY (2023-24) through tendering process & will be implemented in mass scale in coming FY (i.e 2025-26) with installation of 180 nos. (approx.) EV charging station across the state under the licensed area of WBSEDCL.
- Liquidation of service connections (LT Bulk) i.r.o EV charging stations (being set up by various oil marketing companies like IOCL, BPCL, HPCL etc) at petrol pumps of around 750 nos. in coming FY 2025-26.
- Condition based monitoring of lines and equipment will be strengthened further to minimize the power interruption and to keep steady power flow throughout the year. WBSEDCL is able to provide steady & uninterrupted electricity for almost 24 hours per day on an average covering its entire licensed area including rural and far flung areas.
- To provide around 10 lakhs of New Service connection in M&LV category.

## REVENUE & ENERGY MANAGEMENT CELL:

The following activities were done by R&EM cell in 2024-25:

**A. Activities related to computation of AT&C losses in system**

Provisions has been made in system to capture all the dynamic changes like CCC wise input & feeder sharing, feeder & boundary meter consumption, mapping of HT consumers with Feeder & boundary meters as well as to incorporate other parameters for computation of CCC wise & Division wise AT&C loss in system. Activities related to all dynamic changes for computation of AT&C loss are being performed by R&EM Cell.

**B. Activities related to feeder metering & allied activities**

As on 31.03.2025, 1796 nos. 33XV & 5700 nos. 11KV outgoing feeders are lying in the circuit. The functioning of 11 KV and 33 KV feeder meters are being monitored in liaison with the site authorities and testing wing for enhancing the accuracy of the energy audit process. Meeting is being conducted in different Zone / Region along with Divisional Managers & DE(T) / AE(T) for resolving different issues related to feeder metering.

**C. Activities related to meter reading through IPDS DCU**

Availability of feeder meter's data through IPDS DCU are regularly monitored and interaction is being done with the concerned AMC vendor, Site & IT&C Cell for improvement of data availability through IPDS DCU.

**D. Activities related to manual meter reading**

Manual meter reading activities i.r.o feeder other than IPDS DCU connected feeders is being monitored. Preparation of monthly meter reading schedule for non DCU sub-stations & engagement of meter reading agency for manual meter reading (SOS) i.r.o IPDS DCU connected feeders in case of non-availability of 100% meter's data through DCUs. Meter reading issues due to feeder off at the time of reading, non-communication with MRI, defective meters & CT/PT etc. are resolved regularly in liaison with the site authorities & Distribution Testing Department.

**E. Activities related to generation of energy consumption report of feeder**

Feeder Consumption obtained from manual meter reading by agency & IPDS DCUs are thoroughly verified with site manual report and validated and uploaded into SAP\_ISU for generating energy consumption report for calculation of AT&C loss as well energy audit purpose. Regular monitoring regarding variation of consumptions of sub-stations, feeders with less consumption etc. are performed.

- F. Activities related to MDAS support portal & CRM**  
Creation of new sub-station code in CRM & creation of new feeder code in MDAS support portal were performed. Activities related to updation of different attributes of feeder metering are regularly performed in MDAS support portal.
- G. Activities related to smart meter installation in 11 KV & 33 KV feeder**  
Smart meter installation activities in feeder by AMISP are monitored in liaison with the site authorities & Communication Cell. Monitoring & approval for incorporation of smart meters in MDAS through MDAS support portal are performed.
- H. Activities related to National Feeder Monitoring System (NFMS)**  
CE, R&EM Cell performs as nodal officer of National Feeder Monitoring System (NFMS). Activities related to National Feeder Monitoring System (NFMS) are monitored from R&EM Cell in liaison with IT&C Cell. 1031 nos. 11 KV outgoing feeders presently connected with IPDS DCUs have been integrated with National Feeder Monitoring System (NFMS) through API for real time uploading of feeder meter's data.
- I. System generated SAIFI & SAIDI and availability of power supply reports**  
Activities related to generation of monthly / quarterly / half yearly / yearly SAIFI & SAIFI and availability of power supply report from BI reports in web portal are performed.
- J. System generated sub-station wise PTR report of WBSEDCL 33/11 KV S/S & GSS**  
Activities related to generation of sub-station wise PTR report of WBSEDCL 33/11 KV sub-station as well as GSS from BI reports in web portal are performed.
- K. Submission of Metering Status to Central Electricity Authority (CEA).**  
As per prevailing guideline, reports pertaining to metering and billing status of all categories of Consumers, all 33KV/11KV feeders and Distribution Transformers are being submitted monthly by R&EM Cell to Central Electricity Authority (CEA).
- L. Preparation of report related CONSUMER SERVICE RATING OF DISCOM (CSRDR)**  
Reports pertaining to CONSUMER SERVICE RATING OF DISCOM are being prepared & uploaded in the portal of REC Limited by R&EM Cell.
- M. Other regular reports are being generated**
- Input (KWH ) of feeders
  - 33/11 KV sub-station wise peak demand report

- Maximum & minimum voltage report
- BEE report related to metering
- Upadhi portal report related to CSRD

**N. CCC wise following exceptional revenue related reports are generated & sent to CE (Distribution South) , CE (Distribution North), Zonal Managers / Regional Managers/ Divisional Managers for taking needful actions.**

Few such monitoring aspects were -

- Metering & billing of in-house consumers to capture own consumption of WBSEDCL
- 1" bill not generated after effecting connection.
- Base class wise consumer having monthly consumption  $\leq 10$  unit & defective meter.
- Defective meter  $> 2$  KW connected load and (or) monthly consumption  $\leq 10$  unit.
- Base class wise average demand report for current financial year.
- Unbilled consumers i.r.o quarterly and monthly billing of the last schedule.
- Consumer where unit consumption of current financial year is less than 50% of previous financial year.
- Base class wise non govt. consumers having outstanding dues  $\geq$  Rs. 5000.00 (where noticedue dates are crossed).
- Base class wise non govt. consumers having dues  $\geq$  Rs. 5000.00 and non payment during last one year for domestic and 6 months for industrial & com. consumers.
- Domestic and commercial consumers having connected load  $< 0.5$  KVA but average monthly demand  $\geq 200$  units.
- Consumer wise status of pending 2<sup>nd</sup> inspection, generation of quotation through Y\_S&LP activity for over drawal of load.
- Consumer wise billing status i.r.o deemed disconnected consumers.
- Spot bill image verification status.
- CCC wise pending connection reports are generated from R&EM cell on weekly basis and circulated to Chief Engineer (Distribution South), Chief Engineer (Distribution North), ZMs, RMs, DMs.

**O. Meeting with site authority on revenue related reports generated by R&EM Cell**

Meeting is being conducted in different Zone / Region along with Divisional Managers & Station Managers for discussing different revenue related exceptional reports generated by R&EM Cell for improving revenue realization as well reduction of AT&C losses.

**PROCUREMENT & CONTRACTS:**

A brief report on the performance of the Procurement & Contracts

Department for the financial year 2024-25 is given below:

Sl. No.	Activity	Actual 2024-25
<b>A) Procurement Action</b>		
1	No. of Tenders floated	<b>54</b>
2	No. of Purchase Orders issued	<b>98</b>
3	No of Rate Contract Orders	<b>192</b>
<b>B) Estimated Financial Involvement</b>		
1	Purchase Orders (Rs. In Crore)	<b>1,296.97</b>
2	Rate Contract Orders( Rs. In Crore)	<b>178.53</b>
<b>C) Earning from Sale of Scrap (Rs. In Crore)</b>		<b>38.52</b>

**DISTRIBUTION TESTING:**

The Distribution Testing Department (DTD), headquartered at Abhikshan Bhawan Salt Lake, along with five Zonal Testing Units located at Kolkata, Burdwan, Siliguri, Berhampore & Midnapore under its technical control, functions primarily with the objective to create & maintain safe, secure, accurate and healthy electrical installation/system/network, to ensure speedy isolation of faulty system to avoid hazards & minimize affected area and also for speedy restoration of faults to maintain uninterrupted & quality power supply. Apart from that, testing ensures quality of electricity meters with added analytical features which ascertains revenue protection.

Inspection of electrical equipment prior to its dispatch from factory, sample testing of some items as part of technical evaluation, re-conditioning of CT & PT, repairing of some Power Transformers, UG cable network maintenance including fault locating, cable route tracing and identification etc. , preparation, checking & approving various schemes, General Technical Particulars & Drawings, preparation & upgrading Technical Specifications of various equipment, system health monitoring as precautionary measure to ensure timely detection of vulnerability in system to avoid interruption in system are some of the mention-worthy activities of this department.



**Unit-wise Activities Executed During April,2024 – March,2025:**

Sl. No.	Activity	DTD	Kolkata ZTU	Midnapur ZTU	Berhampore ZTU	Siliguri ZTU	Burdwan ZTU	Malda ZTU	Total
1	<b>In House Testing</b>								
1.1	Relay	1520	126	789	520	1018	694	-	4667
1.2	Energy Meter - Acceptance Test	592439	-	295903	301029	271253	198573	-	1659197
1.3	Energy Meter Sample Test	58	-	-	-	-	-	-	58
1.4	CT & PT	2883	-	-	-	-	-	-	2883
1.5	WTI & OTI	181	-	-	-	68	-	-	249
1.6	TR Oil (Samples)	780	-	375	178	608	204	-	2145
2	<b>In House Overhauling, Repairing &amp; Reconditioning Works</b>								
2.1	PTR Overhauling	4	-	-	-	-	-	-	4
2.2	CT & PT Reconditioning	10	-	-	-	-	-	-	10
3	<b>Inspection &amp; Testing-</b>								
3.1	PTR	95	-	-	-	-	-	-	95
3.2	DTR	12506	-	-	-	-	-	-	12506

3.3	DTR store acceptance test	-	5116	1624	1901	2305	2096	70	13112
3.4	Energy Meter	1859982	-	-	-	-	-	-	1859982
3.5	Panel, VCB, Relay, RMU, CT,PT, Battery, Battery Charger etc.	241 Inspections 41719 no of Equipment	-	-	-	-	-	-	241 Inspections <i>41719 (no of Equipment)</i>
3.6	Tr Oil (in Kilolitre) New Oil	1599.48	-	-	-	-	-	-	1599.48
3.7	Tr Oil - (in Kilolitre) Reclaimed /Regenerated	-	255	85	170	170	85	-	765
4	<b>Commissioning Work</b>								
4.1	33/11 kV Substation	-	7	5	1	4	2	1	20
4.2	LT Bulk Consumer	145	-	121	87	158	237	-	748
4.3	11 kV Bulk Consumer	87	-	34	25	54	81	2	283
4.4	33 kV Bulk Consumer	15	-	13	1	3	17	-	49
4.5	132 kV Bulk Consumer	2	-	-	-	-	-	-	2

4.6	Equipment Commissioning including PTR	-	241	367	93	118	423	5	1247
5	Consumer installation checking	591	-	212	262	540	251	-	1856
6	Condition Monitoring	-	930	294	175	294	342	10	2045
7	Troubleshooting Work	212	635	176	248	59	142	2	1474
8	Cable Fault & Cable Identification	609	-	94	34	16	108	-	861

#### **PLANNING & ENGINEERING:**

#### **ACTIVITY REPORT FOR THE FINANCIAL YEAR 2024-25:**

Sl. No.	Subject	Quantity
1	Feasibility checking towards requirement of new 33/11 KV Sub-Station.	75
2	Feasibility checking towards requirement of new 132/33 KV Sub-Station.	22
3	Feasibility study and estimate for augmentation and/or renovation of existing 33/11 KV Sub-Station.	222
4	Feasibility study and estimate for augmentation 33 kv overhead lines for strengthening of 33 kv network.	49
5	Finalisation of scheme & estimate for construction of new 33/11 KV Sub-Station including drawal of new 33 KV lines and 11 KV connectivity .	27
6	Feasibility study and estimate for drawal of new 33 KV lines for strengthening of 33 KV network.	82
7	Design of Earth Mat.	40

8	Design of structural layout of new 33/11 KV Sub-Station and Re-design/ revision of structural layout for augmentation/ renovation/ bay extension of existing 33/11 KV Sub-Station.	171
9	Checking of suitability of land for construction of new 33/11 KV Sub-Station.	56
10	Finalisation of estimate in connection with evacuation of power at 33KV from upcoming EHV Sub-Station.	6
11	Calculation of Tangible benefits along with Financial Evaluation of Different Projects	85
12	Feasibility study in connection with supply of bulk power at 33 KV.	112
13	Study of overall bay requirement under RDSS, O&M, Bulk & WBEDGMP scheme and compilation of the same and placement to WBSETCL.	152
14	Approval of GA, GTP, Drawings in connection with central purchase, bulk power supply & supply of equipments on turnkey basis.	225
15	Convening meeting of standardization committee,	11
16	Revision/ Finalisation of new Technical Specifications through the standardization committee.	26
17	Attending joint inspection of sites for feasibility study of intending bulk and infrastructure developments.	69
18	Attending joint inspection of site with the engineers of WBSEDCL & WBSETCL for study of feasibility and suitability of land in connection with construction of new EHV Sub-Station.	5
19	Generation of material code for different items/ materials.	42
20	Attending various meetings related to DCL-TCL Coordination meeting, Tender Committees, STC, GTP approval committees, pre-bid etc of Distribution Project Department, Project – II, Project-III and P&C	LS
21	Technical feasibility study for installation of Capacitor Bank at different 33/11 KV SS under Project IV	51
22	Visiting Manufacturer's Premises for inspection and Testing	4
23	Approval of architectural and structural Drawings of GIS CRB submitted by turnkey agency under different projects.	30

24	Preparation of Layout of Different structures like Divisional Store, Zonal Store, Administrative Building, CCC building, IB e.t.c.	17
25	Preparation of Estimate for IB, Administrative Building, Divisional Store	11
26	Design and drawing of different structures like CRB, Administrative Building Zonal Store etc	21

## GENERATION – SOLAR

### SOLAR POWER GENERATION DEPARTMENT:

#### **Ground Mounted Solar PV Power Projects installation Report during 01.04.2024 to 31.03.2025**

Sl. No.	Name of the Project & Capacity	Progress / Achievements during 01.04.2024 to 31.03.2025
1	7.7 MW Solar PV Project at Koltaldih (Phase – I), Asansol, Burdwan district	7.7 MW commissioned on 29.07.2024.
2	112.50 MW Solar Project at Goaltore in Paschim Medinipur	112.50 MW commissioned on 03.09.2024
3	10 MW Floating Solar Power at PPSP Upper Dam in Purulia District	10 MW commissioned on 14.02.2025
4	5 MW ( Ph – II) Floating Solar Power at PPSP Upper Dam in Purulia District	Tender floated on 21.02.2025. vide NIT No. : WBSEDCL/SPGD/5 MW PPSP PH II (2nd Call)/2024-25/ NIT 64 Date: 21/02/2025 & Tender ID: 2025_WBSED_820846_1
5	2 Nos. 10 MW Solar Power Plant at Mouza- Gangapur (Ph –I) & (Ph-II), Birbhum	Tender floated on 11.03.2025 vide NIT. No. WBSEDCL/SPGD/ 2 X 10 MW SPVPP/Gangapur Ph I & II (2nd Call) /2024-25/NIT-66 Date- 11.03.2025 & Tender ID : 2025_WBSED_826318_1 and 2025_WBSED_826318_2

## GENERATION - HYDEL:

### A. *Running Hydro-electric Power Stations:*

	<b>Installed capacity (MW)</b>	<b>: 1075.10 MW</b>
1.	Purulia Pumped Storage Project	: 4 x 225 MW ( 900 MW )
2.	Teesta Canal Fall Hydel Project	: 3 x 3 x 7.5MW (67.5 MW)
3.	RammamHydel Project, Stage-II	: 4 x 12.75 MW (51 MW)
4.	JaldhakaHydel Project, Stage-I	: 4 x 9 MW (36MW)
5.	JaldhakaHydel Project, Stage-II	: 2 x 4 MW (8 MW)
6.	MassanjoreHydel Project	: 2 x 2 MW (4 MW)
7.	Mini-Micro Hydro-electric Power Project	
	(i) SidrapongHydel Project	: 2 x 0.2 MW (0.4 MW)
	(ii) FaziHydel Project	: 1 x 1.2 MW (1.2 MW)
	(iii) RinchingtonHydel Project	: 2 x 1 MW (2 MW)
	(iv) Little RangitHydel Project	: 2 x 1 MW (2 MW)
	(v) MungpooKalikholaHydel Project	: 3 x 1 MW (3 MW)

### B. *Hydro power generation including generation of PPSP:*

Generation of power during 2021-2022:1735.516 MU

Generation of power during 2022-2023: 2156.603 MU

Generation of power during 2023-2024: 1849.68 MU

Generation of power during 2024-2025: 1873.39MU

### C. *Generation Highlights :*

Generation from PPSP in 2024-25 : 1364.79MU

Generation from Conventional HEPs in 2024-25 : 508.60MU

Break-up of generation from Hydro-electric Power Stations in 2024-25:

<b>Name of the Power Stations</b>	<b>Generation achieved in 2024-25</b>
Purulia Pumped Storage Project	1364.79MU
Rammam HP, Stage-II	201.45 MU
Jaldhaka HP	170.36 MU
Teesta Canal Fall HP	107.66 MU
Small HEPs	23.97 MU
Massanjore HP	5.16MU
<b>Total</b>	<b>1873.39 MU</b>

**D. *Activities of Purulia Pumped Storage Project (PPSP):***

Purulia Pumped Storage Project is a unique hydro electric project (4x225MW) runs out of recycling of water by simultaneous pumping and generating operations between two reservoirs at different altitude for supply of peak / emergency electric demand. The total expenditure met up to 31 March 2025 is Rs 2489.08 Cr including IDC for construction of the project. The final project construction cost including IDC likely to be around Rs 2490 Cr. All four units were synchronized as per schedule in 2007 phase wise on 13.07.2007 (Unit # 4), 15.08.2007 (Unit # 3), 09.11.2007 (Unit # 2) and 17.12.2007 (Unit # 1). The position of electric supply in West Bengal has improved after commissioning of PPSP to a great extent.

**Progress & Achievements during 2024-25:**

- Total Generation= 1364.79MU (as per WBSEDCL system requirement) against CEA's target of 1235MU
- Average Cycle Efficiency achieved = 77.51% against design cycle efficiency of 75.5%
- Average Plant availability factor achieved = 92.42%.
- Overhauling of Unit # 3 has been completed successfully.
- Four sets of Generator Circuit Breaker Arc Chambers and two nos. GCB HMB Drive Mechanism has been overhauled.
- Order for procurement of 3 nos. Field Circuit Breaker has been placed.
- Augmentation and renovation of PPSP 33/11 KV Sub-Station including revamping of Sub-Station Earth Mat to provide construction power for Turga PSP has been completed.
- Construction of 1300 meters Road under CSR scheme has been completed.
- Topographical Survey of Upper Dam & Lower Dam is under process.
- Out of revised revenue budget estimate of Rs 67.41 crore (FY 2024-25) expenditure incurred Rs 31.01 crore.



(Unit 3 Overhauling)



(GCB Overhauling)



**E. Activities of Running Conventional Hydro Electric Power Stations:**

Major Works undertaken during 2024-25:

➤ **Rammam Hydel Project, Stage-II:**

- Overall generation of 201.4531 MU has been achieved in 2024-25 against CEA's target of 192.35 MU.
- Installation of new Battery Charger along with new 535 Ah Battery Bank-I.



(535 Ah Battery Bank and Battery charger)

- Replacement of Pelton runner of unit No. 4 (U#4) at Rammam Hydel project Stage – II.



(Unit No.4 runner replacement)

- Procurement of Hydraulic Mobile Crane at Power house of Rammam Hydel Project Stage – II.



(Hydraulic Mobile Crane at Power house, RHP –II)

- Renovation of Inspection Bungalow & renovation of Employees' Recreation Hall at Rammam Hydel Project Stage II



(Inspection Bungalow)



(Recreation hall)

- Construction of protection wall and chute drain in front of Adit-I of LICS.
- Construction alongwith repair & maintenance of chute drain from Forebay Silt Extruder exit point to Anchor Block-5.



(Chute drain from Forebay Silt Extruder exit point to Anchor Block-5)



(Chute drain in front of Adit-I of LICS)

- Construction of protection wall at behind of switchyard.



(Protection wall at behind of switchyard)



➤ **Jaldhaka Hydrel Project (Stage – I & Stage-II):**

- The total generation achieved by JHP-I and JHP-II during the financial year 2024-25 is 170.369072 MU.
- Repairing of 5 Nos. Barrage gate including damaged roller at Bindu Barrage.



(Barrage Gate at Bindu Barrage)

- DPR of Rehabilitation of Bindu Barrage has been prepared & vetting of the same by CWC is under progress.
- Erection & commissioning of 5 MVA 11/66 kV Transformer at Jaldhaka Stage II.



(5 MVA 11/66 Transformer at JHP –II)

- Work of “Manufacture & supply of 320 KVA DG set” at Power house of Jaldhaka Hydrel Project, Stage-II, has been completed.

- Procurement of spare Francis Runner at Jaldhaka Stage II.



(DG set)



(Spare francis runner)

➤ **Teesta Canal Fall Hydel Project:**

- The total generation achieved by Teesta Canal Fall PS-I, PS-II & PS-III combined during the financial year 2024-25 is 107.666 MU
- Successful commissioning of 20 MVA 132/33 KV transformers at Teesta Canal Fall Hydel Project, Power Station-II has been done for better catering the growing demand of Power.
- Successful commissioning of 220V 300Ah battery bank has been completed.
- Order for thorough overhauling of TRCM has been placed on OEM M/s GMW amounting to Rs 1.94 crore including GST. The work is in progress.
- Procurement of 132KV & 33 KV CT,PT had been done from M/s STRATON ELECTRICALS PVT. LTD.

➤ **Mini-MicroHydel Power Station:**

- The total generation achieved by Mini Micro Hydel Division during the financial year 2024-25 is 23.977 MU.
- Construction of first ever hydro museum at Sidrapong Hydel Power Station is in progress.



(Construction of Sidrapong Museum)

- Work for Construction of suspension bridge at Sidrapong HP is in progress.

➤ **Massanjore Hydel Power Station**

- Massanjore Hydel Power Station at the base of Canada Dam across Mayurakshi river was commissioned on 16th Dec 1956 in the Dumka District of Jharkhand.
- Massanjore Hydel Power Station was renovated and re-commissioned in June 2011.
- It feeds power to Suri in Birbhum District of West Bengal.
- Generation Achieved for the period 2024-25: 5.16 MU.
- Plant availability factor is 100%. But its Generation depends on the release of water from Canada Dam by Irrigation & Water Ways Dept. However due to constant persuasion with I&W dept. the generation could be increased significantly.
- Regular maintenance is carried out to achieve desired level of performance.
- Overhauling Unit-1 is under progress in addition to that major activities planned for the FY 2025-26 are as follows :
  - Planning to overhaul unit-2

- Planning to renovate 33/11KV Sub-Station of M.H.P.S
- Repairing of store shed.

***F. Status of Projects under Implementation:***

**I. Pumped Storage Projects**

To enhance the Hydro power capacity/ Pumped Storage generation capacity in West Bengal, the following projects have been taken up for Implementation.

**■ Turga Pumped Storage Project, Ajodhya Hills, dist. Purulia :1000 MW**

**❖ Status:**

- Major Survey & Investigation Complete
- CEA Concurred the DPR in October 2016. Revalidation of concurrence by CEA upto 04.10.2022 vide no. 2/WB/22/CEA/2013-PAC/1104 dated 07.11.2019.  
Further revalidated upto 04.10.2024 vide File no. CEA-SY-25-30/1/2019- PAC Division dated 04.11.2022 and further revalidated upto 04.10.2026 vide File no. CEA-SY-25-30/1/2019- PAC Division/ I/44565/2024, dated 20.11.2024.
- Stage – I & II Forest Clearance obtained from MoEF&CC, Govt. of India on 12.04.2018 & 13.10.2022 respectively
- Against 578.22 Acres of land required for Compensatory Afforestation purpose, 578.22 Acres of Non-forest Govt. land has already transferred, mutated and notified in favour of Forest Department for Protected Forest.
- In compliance of the Stage-I Forest Clearance (In-principle approval) WBSEDCL has deposited the amount Rs. 107.53Cr for the following work:
  - ‘Tree felling, Boundary Pillar Installation work etc for diversion of 234 Ha Forest Land
  - Net Present Value, Catchment Area Treatment (CAT) Plan for 234 Ha of forest land proposed for diversion and Compensatory Afforestation, Soil Moisture Conservation (SMC) Work and Demarcation & erection of Boundary Pillar/ Infrastructure for CA Protection of 208.62 Ha of CA Land
  - Implementation of Wildlife Conservation Plan for Construction of 1000 MW Turga PSP
  - Compensatory Afforestation, SMC work, Boundary Demarcation of balance 25.39 Ha CA Land in Block Salboni, Paschim Midnapore, West Bengal
- Environmental Clearance obtained from MoEF&CC, Govt. of India on July 2018.

- Cabinet Approval for the Project accorded on May 2017 and approval for estimated Project cost of Rs. 6921.90 Crore accorded on September 2018.
- Project funding: JICA Loan - 81018 Million JPY (Rs. 5001.1) Crore and Govt. of West Bengal Equity - Rs. 1920.80 Crore.
- Loan agreement for 1st Tranche Loan amounting to 29442 Million JPY (Rs. 1817.4 Crore) has been signed on 02<sup>nd</sup> November 2018 and effectuated on 05<sup>th</sup> April 2019.
- EPDC (J-Power), Japan has been engaged as Foreign Consultant for providing Project Management Consultancy (PMC) Services on 09<sup>th</sup> September 2021. Commencement of Services started w.e.f. 06<sup>th</sup> December 2021
- WAPCOS limited as Local Consultant has been engaged for Phase III Supervision Activities on 17<sup>th</sup> September 2021
- 'In-principle' clearance i.r.o Investment approval for Installation & Commissioning of 1000MW Turga PSP obtained from WBERC on 27.09.2021
- Detailed Design & Engineering Activity and Preparation of Tender documents by Local Consultant and Foreign Consultant are in progress.
- Provisional Mining lease for four nos. Rock Quarry areas namely Turga Nala (3.15 Ha), Hadhadi Nala (7.11 Ha), Kudna (8.32 Ha) & Dulgubera (0.02 Ha) has been obtained on 27.06.2022.

Obtained approval for Mining Plan and Mine Closure Plan from Chief Mining Officer, GoWB on 02.05.2023.

- 'In-principle' approval of budgetary support (Rs. 52.30 Cr.) for enabling infrastructure works of Turga PSP obtained on 23.11.2022 from MoP, GoI,
- Total Amount Rs 45.49Lakh Spent for LADP work i.e.
  - Rs. 10 Lakh for Various Infrastructure Work and Local Area Development Programme in the Ajodhya Hill Area (FY 2022 – 23)
  - Rs. 40 Lakh for Providing Sports Equipment (FY 2023 -24).
  - Rs. 31.49 Lakh for Installation of 09 (nine) numbers of Solar Based Tube Wells for Drinking Water at Upper Dam area (FY 2023 – 24)
- Process to hand over 578.22 Acres of forest land in favour of WBSEDCL from state Forest Department is in progress. Tender for demarcation of forest land & tree felling is yet to be finalized by State Forest Department.
- Work for 2nos. 4-storey Officers Field Hostel within PPSP Township and Renovation of



PPSP Administrative building for Turga PSP Site office are completed.

- Order Placed for construction of Project Road and Main Access Tunnel
- L&LR and RR&R Department issued IDT order for transfer of 18.62 Acres of land in favour of Power Department, GoWB. The land measuring 18.62 Acres was handed over to Power Department, GoWB on 16.08.2023 by BL&LRO, Bagmundi. Permissive possession of the said land was given to WBSEDCL on 29.08.23 for implementation of 1000 MW Turga PSP.
- PQ Document preparation for Package 3B: Electro-Mechanical Equipment (Substation Equipment) is under process.
- PQ evaluation process for selection of the bidders iro. Package-1 (Main Civil Works) has been completed on June'2024.( 3nos. bidder Pre-Qualified).
- Concurrence has been obtained from JICA on ICB without PQ iro Package-3A, on 13.01.2025.
- Concurrence has been obtained from JICA on ICB without PQ iro Package-2, on 17.01.2025.
- An application has been filed on 04.04.2024 before the Honb'le National Green Tribunal (NGT), Eastern Zone Bench (EZB), Kolkata by Sushil Murmu against implementation of the Project. Latest hearing was conducted at NGT, EZB on 23.01.2025, Honb'le NGT was pleased to hear the matter on 17.04.2025, WBSEDCL is in the process of filing affidavit in this matter.

## **II. Conventional Hydroelectric Projects**

- **Lodhama-II Small Hydro-electric Project (10 MW)** on Lodhama River, near Lodhama village, Rammam, Darjeeling District:

### **❖ Status :**

- The total project cost is Rs. 94.60 Cr. was approved by the Board of Directors of WBSEDCL in its BOD meeting no. 102 held on 23.12.2021.
- Rs. 4.28 Cr. paid to Land Acquisition Collector, Darjeeling for acquiring of 7.148 acre of Private Land.
- NABARD has sanctioned the loan value of Rs. 83.0358 Cr.
- LoA placed on turn-key (EPC mode) basis for development of the Project on 10.11.2022.
- Work started at site by the agency but the same has been suspended due to resistance from

Local People from April, 2023.

- In spite of several persuasion with local administration, the matter was not resolved and the project has been **dropped**.

## ***G. Projects under Survey & Investigation:***

### **1. Pumped Storage Project**

#### **■ Kulbera PSP & Kathlajal PSP**

##### **❖ Status**

- WAPCOS Ltd was awarded with the work of Preparation of Pre-Feasibility Report (PFR) for Kulbera PSP & Kathlajal PSP on 07.09.2022.
- WAPCOS submitted Draft PFR for Kulbera PSP & Kathlajal PSP to WBSEDCL for their observations on 06.01.2023
- WAPCOS submitted the final PFRs after incorporating the observation of WBSEDCL.

#### **■ Bandu Pumped Storage Project (900 MW) on Bandu Nala Ayodhya Hills, near Ayodhya village, Purulia District:**

##### **➤ Status:**

- ❖ PFR approved by the Department of Power, GoWB.
- ❖ Draft EOI (Expression of Interest) i.r.t engagement of Consultant towards preparation of the DPR has been prepared.
- ❖ Hydro-meteorological data collection is in progress at site.
- ❖ Hydro Power Committee (HPC), WBSEDCL in its meeting dated 09.05.2024 recommended the updated PFR (December 2023) towards placement for further course of action and also suggested to place the draft EoI to the higher authority for final approval.
- ❖ The CE, Regulation, WBSEDCL vide a letter dated 12.07.2024 submitted an application before WBERC, for prior approval for preliminary expenditure on account of exploratory works, to be incurred by WBSEDCL for preparation of DPR including S&I works thereof.

### **2. Conventional Hydroelectric Projects**

To enhance the Hydro power capacity in West Bengal, the following projects have been taken up for Development-

■ **Teesta Intermediate Stage Hydro Electric Project (90 MW)** on Teesta River near Village-Kirney, Kalimpong District:

➤ **Status:**

- ❖ In-Principle Approval of PFR accorded from DoP, GoWB.
- ❖ 1st Stage ToR clearance obtained from MoEF & CC, GoI - 18.03.2021 and is valid for 5 (five) years.
- ❖ Clearance obtained from CEA/ CWC i.r.o R-O-R & International aspects.
- ❖ Approval obtained from appraising authority i.r.o Layout, Hydrological series, Bulb Turbine & Installed capacity.
- ❖ Environmental base line monitoring data collected. EIA & EMP report preparation under progress.
- ❖ Glacial Lake Outburst Flood (GLOF) Study completed and report (July, 2024) submitted to the appraising authority for approval.
- ❖ Permission obtained from DFO, Kalimpong Forest Division, GoWB for drilling of boreholes in West Bengal portion.
- ❖ Officials of GSI visited the project site from 02.01.2025 to 08.01.2025 and conducted core logging of drilled bore holes and mapping of quarry area in connection with Construction Material Survey. Note of GSI on DPR stage Geotechnical Investigation received on 27.03.2025.
- ❖ Site Specific Seismic Study completed & report (April, 2025) submitted to the appraising authority for placement in the NCSDP meeting.

■ **Teesta Low Dam I & II (combined) Hydro Electric Project (71 MW)** on Bari Rangit River (a tributary to river Teesta) near village -Teesta Bazar, Darjeeling District:

➤ **Status:**

- ❖ In-Principle Approval of PFR accorded from Department of Power, GoWB.
- ❖ EAC of MoEF & CC, GoI did not recommend the project for 1st Stage ToR clearance in their 31st meeting held on 29.07.2022.
- ❖ Request for reconsideration letter submitted to the Member Secretary (EAC), MoEF & CC. No reply received at this end.
- ❖ Glacial Lake Outburst Flood (GLOF) Study conducted in Teesta Rangit Rammam basin.

- **Teesta Low Dam - V Hydro Electric Project (60 MW)** on river Teesta near village - Sevoke Bazar, Darjeeling District.

➤ **Status:**

- ❖ The GSI team has carried out geological logging of the 7 drill holes having cumulative length of 191 m at HHQ, Siliguri.
- ❖ PFR prepared and submitted to Department of Power (DoP), GoWB for approval and is under process.
- ❖ Glacial Lake Outburst Flood (GLOF) Study conducted in Teesta Rangit Rammam basin.

- **Rammam Stage - I Hydro Electric Project (48 MW)** on river Rammam, Shri Khola & Partham Khola in village- Daragaon, Darjeeling District:

➤ **Status:**

- ❖ Geological mapping & Geotechnical Investigation have been carried out.
- ❖ Layout finalization is under process.
- ❖ PFR prepared and submitted to the Department of Power (DoP), GoWB for approval and is under process.
- ❖ Glacial Lake Outburst Flood (GLOF) Study conducted in Teesta Rangit Rammam basin.

- **Balason Hydro-electric Project (38 MW)** on Balason & Rangbong River near Dhajia village, Darjeeling District:

➤ **Status:**

- ❖ In-Principle Approval of PFR accorded from the Dept of Power, GoWB.
- ❖ Discharge measurement and Geotechnical Investigation work completed.
- ❖ Plot information collected and land schedule has been prepared.
- ❖ Clearance letter obtained from PCCF, GoWB regarding absence of Eco-Sensitive Zone in the project area.
- ❖ Environmental base line monitoring data collected. EIA & EMP report preparation under progress.
- ❖ DPR prepared and submitted to the Department of Power (DoP), GoWB for approval and is under process.

- ❖ As the validity of 1st Stage ToR clearance (obtained from SEIAA, GoWB on 10.03.2022) expired on 09.03.2025; proposal for extension of validity of Terms of Reference (ToR) was placed in the 65th meeting of SEAC (State level Expert Appraisal Committee) held on 12.03.2025. The committee extended the validity of ToR for a further period of two (02) years i.e. up to 09.03.2027.

■ **Balawas & Chota Rangit Hydro Electric Project (18 MW)** on Balawas and Chota Rangit River, Bijon Bari, Darjeeling District:

➤ **Status:**

- ❖ In-principle Approval of PFR accorded by PAC, DoP, GoWB.
- ❖ In the meeting of PAC, DoP, GoWB on 22.04.2022, the committee suggested that In-principle approval of DPR may be considered for tariff based bidding.
- ❖ Classification of Project land has been assessed and the same has been forwarded to the Power Department, GoWB and is under process.
- ❖ The discharge measurement could not be started due huge local protest and further processing of land has been also stalled due to local protest.
- ❖ Geotechnical Investigation work is completed.

3. **Projects allotted to Private Developers:**

■ **Chel - I (7.5 MW) Small Hydro-electric Project** on Chel Khola, near Gorubathan, Kalimpong District:

➤ **Status**

- ❖ In-Principle Approval for development of Chel-I SHP accorded by the P & NES Dept., GoWB.
- ❖ The developer submitted updated draft DPR on 19.09.2022.
- ❖ The Annual Net Saleable Energy has been finalized as 39.26 MU.
- ❖ Finalization of financial & tariff aspects is under process as per suggestion of Power Purchase Committee, WBSEDCL.

■ **Chel – II (6 MW) Small Hydro-electric Project** on Chel Khola, near Gorubathan, Kalimpong District:

➤ **Status**

- ❖ In-Principle Approval for development of Chel-II SHP has been accorded by the P & NES Dept., GoWB.
- ❖ The developer submitted updated draft DPR on 16.08.2022.
- ❖ A meeting was held on 20.11.2024 at Nabanna between the representatives of M/s Shyam Energy Ltd. and officials of L&LR Department, Govt. of WB regarding resumption of 8.15 Acre land out of the retained leasehold land of the Upper Fagu Tea Estate within Gorubathan block, Kalimpong.
- ❖ As the ownership of the Tea estate has been changed, it has been decided to arrange a joint site visit after 30/11/2024 including WBSedCL.

## **HUMAN RESOURCE:**

### **Corporate HRD & Training /Performance Management Department 2024-2025**

HRD and training department of WBSEDCL is devoted for skill development of the employees of the organization. It helps employees in the field of career development, Conceptual development of the job and improved behavioral practices within the organization and overall organizational development to improve individual and organizational effectiveness as a whole. HRD believes in the limitless potential of human beings. It is a process of helping people to acquire competencies.

Training is the most important activity which plays an important role in the development of human resources. Training is regarded as the systematic process of acquisition of attitudes, knowledge, or skills that result in improved performance at work. The fundamental purpose of training is to help people develop skills and abilities which, when applied at work, will enhance their job performance. To put the right person at the right place with training has now become essential in today's globalized market. No organization has a choice on whether or not to develop employees. Therefore, training has, nowadays, become an important factor in maintaining and improving interpersonal and intergroup collaboration. Training and development is an important subsystem of an organization. It aims is to reduce randomness and ensure that the leaning or behavioral change takes place in structured format.

In WBSEDCL, training is being conducted through Company's own Training Institute i.e EETI,s /KJTC located at Tribeni/New Town/Burdwan /Behrampore / Coochbehar / Kharagpur / Malda / Siliguri / Kalyani and Head Quarter at (Vidyut Bhavan)by internal and empanelled external faculties of WBSEDCL as well as through other reputed institutions like CPRI-Bangalore, XLRI –Jamshedpur etc.

Further programs have been designed for Mid Senior Level and Senior Level Employees in order to well equip them with challenging needs in changing time. MDP programmes are being organised by HRDD at HQ as well as at all EETIs through eminent empanelled external faculties all the year round to enhance skill and to improve behavioural efficiency of the employees.

Disaster Management Training Programmes are also being conducted time to time by reputed External Agencies like CBIP, National Safety Council etc. at different locations under WBSEDCL's hilly territory, apart from PPSP sites, as well as at plains in order to enable employees to be better able to tackle situations if they face actual disaster.

Testing engineers of WBSEDCL have been trained on Condition Monitoring (using Ultra Sound Technology) conducted by M/S UE Systems, Hyderabad.

WBSEDCL organized Electrical Safety Training Programme for the Engineers of WBSEDCL at its six EETI's which were imparted by M/S National Safety Council-Mumbai.

WBSEDCL has organised Training for Trainers (TOT) on Behavioural Based Safety Training for the Engineers of WBSEDCL which has been introduced as new area of Training of the Company and imparted by M/S. National Safety Council.

WBSEDCL also has taken initiatives to provide Safety and Technical Training to its Contractual Workers at its Training Centres at Kolkata, Burdwan, Tribeni, Behrampore, Kharagpur, Coochbehar, Malda, Siliguri and KJTC- Kalyani under HRD & Training Department for better performance as well as to enhance their skills and to ensure safe working habits and also to increase the safety awareness.

WBSEDCL is regularly complying with the statutory requirements by inducting both the Graduate Engineers and Diploma Engineers as per Apprenticeship Act, 1961. These Apprentices are inducted through NATS Portal under BoPT (Board of Practical Training). These Graduate Engineers/ Diploma Engineers are trained at Different Locations/Units of our Company.

HRDD also imparts Vocational Training and Internship Training to the Engineering students and Management students of Finance/HR/IT/Legal discipline of different Technical and Management Institutes across the state. In the year 2024-25 we had imparted Training to 653 students of different Engineering Colleges and Universities and Management Institute.

Computer Training Programme (Basic and Advanced Level including Cyber Security and E-Tender Procedure) are being conducted by external M/s ACES Infotech Pvt. Ltd. Total 743 employees have been trained in the year 2024-25. Corporate Training programme on Artificial Intelligence and Machine Learning (AI & ML) has also conducted by NIELIT, DoE, Govt. Of India, for the IT&C engineers of WBSEDCL.

Officials had attended different types of External Training Programmes conducted by different Training Partners like CBIP, ICC, RECIPM, NAHRD, USAID/ESCI/ASCI, NPTI(Faridabad) etc. both OFFLINE and ONLINE.

Apart from the above, HRD & TRG Dept is continuously striving for creating an atmosphere of learning in the organisation for better performance by all.



**Target Vs Achievement for FY 2024-25 i.r.o Training (both Internal and External)**

<b>2024-2025 (Target Participants) (Nos.)</b>	<b>2024 - 2025 (Achievement Participants) (Nos.)</b>	<b>2025- 2026 (Target Participants) (Nos.)</b>
Class-I- 1000	Class-I-947	Class-I- 1000
Class-II- 700	Class-II-707	Class-II- 700
Class-III & IV- 3500	Class-III & IV-3634	Class-III & IV- 3500
Others*- 4000	Others*- 5234	Others*- 5500
Total- 9200	Total- 10522	Total- 10700

\*Others include training to Contractors' Employees and Vocational /Internship Training etc.

**Performance Management System:**

WBSEDCL has introduced online PARs/SARs system for Class I officials through ERP portal w.e.f FY 2020-21 and Class II and Class III officials w.e.f FY 2022-23, replacing existing system of submission of hard copies of PARs/SARs which were prevalent beforehand.

The system has enabled compilation of the Grade Points and subsequent submission to the appropriate authorities as and when required instantly as well as to maintain such information electronically by doing away with the maintenance of manual system.

HRD Department is discharging an instrumental role in ensuring smooth implementation and functioning of the system through sequential steps like solving of queries successfully, calculation of online submitted PAR and completion of data processing.

The system ensures 100% timely submission of PARs/SARs of all above officials, calculate and compile the Grade Points and subsequent submission to the respective authorities, as and when required. Furthermore, the system ensures preservation of data confidentiality and its disclosure as and when required for the purpose of promotion and other compliances.

<b>Sl. No.</b>	<b>Achievements made by HRD &amp; TRG Dept. from 01.04.2024 to 31.03.2025</b>					
	<b>Trainings conducted by HRD &amp; TG Dept. (HQ) &amp; Training Institutes under HRD &amp; TRG Dept. WBSEDCL</b>	<b>Class - I</b>	<b>Class - II</b>	<b>Class - III &amp; IV</b>	<b>Others (Contractor Labours &amp; Employees of other Organisation)</b>	<b>Total No. of Participants</b>
1	Induction /Orientation Training at Vidyut Bhavan for newly recruited employees AM(HR&A), AM(F&A) & OE	-	-	-	-	-

2	Internal Training at Vidyut Bhavan & other Offices of WBSEDCL	164	10	54	25	253
3	EETI -Burdwan	44	140	550	992	1726
4	EETI -Kharagpur	112	146	675	734	1667
5	EETI -Tribeni	31	112	498	515	1156
6	EETI -Berhampore	160	64	401	610	1235
7	EETI -Kolkata	116	85	449	363	1013
8	EETI - Coochbehar	36	51	167	339	593
9	KJTC- Kalyani	06	55	492	349	902
10	EETI -Malda	04	17	139	447	607
11	EETI -Siliguri	36	27	174	207	444
12	External training by different Training Partners- CBIP, RLI,RECIPMT, IEEMA,NTPC, NHPC, NPTI ,DVC ,CESC, NCIIPC IIT-KGP,IIT-GOA,IIT-ROORKEE , IIT-Kanpur, IEX ACADEMY-IIT BOMBAY, CEA,ICW,ICC , Power Finance Corporation Ltd. (PFC),AIMA,ESCI, Schneider Electric, J POWER -ELECTRIC POWER DEV. CO. LTD,JAPAN, DAM SAFETY SOCIETY,NEW DELHI , ISOAH DATA SECURITIES PVT. LTD.,IT&E Govt. of WB, Jadavpur University, National Water Development Agency, Wildlife Institute of India, Dehradun , UP POWER CORPORATION LTD.(UPPCL),IISWBM, IIM SHILONG, CBIP-HITACHI ENERGY ,ICC, BEE, ICAI, , IPPAI, NPTI-Durgapur-RDSS , NIELIT SALT LAKE CAMPUS, CEA-TPDDL ,Centre for Skill Development, BCC&I, CBIP & CIGREGovt. of WB and XLRI-Jamshedpur (Induction)	238	0	35	0	273
13	Vocational Training	-	-	-	653	0
<b>TOTAL</b>		<b>947</b>	<b>707</b>	<b>3634</b>	<b>5234</b>	<b>10522</b>

# Details in Annexure-I.

**External Training Organised by Training Partners & by HRDD HQ**

Annexure- I		
SL.NO.	External Institute	Total No. of Employees
1	XLRI- Jamshedpur	20 nos.
2	National Critical Information Infrastructure Protection Centre(NCIIPC), Govt. of India	02 nos.
3	Central Board of Irrigation & Power (CBIP)	23 nos.
4	ISOAH DATA SECURITIES PVT. LTD.	09 nos.
5	Power Finance Corporation Ltd. (PFC)	05 nos.
6	Ministry of Labour & Employment(RLI)	26 nos.
7	ASSOCHAM	03 no.
8	NPTI-NER,GUWAHATI,ASAM	02 nos.
9	National Water Academy	02 nos.
10	NPTI-SHIVPURI	02 nos.
11	RECIPMT	14 nos.
12	DAM SAFETY SOCIETY,NEW DELHI	02 nos.
13	ICW GROUP	15 nos.
14	AIMA	10 nos.
15	Centre for India Industry	07 nos.
16	DVC, Maithon Dam, Dhanbad	02 nos.
17	IIT-ROORKEE	02 nos.
18	J POWER -ELECTRIC POWER DEV. CO. LTD.,JAPAN	05 nos.
19	IIT-GOA	03nos.
20	CENTRAL WATER COMMISSION(ONLINE)	06 nos.
21	IRADe _ Central Electricity Authority (CEA)	08 nos.
22	Indian Chamber of Commerce (ICC)	03 nos.
23	Schneider Electric	05 nos.
24	UP POWER CORPORATION LTD.(UPPCL)	02 nos.
25	Wildlife Institute of India, Dehradun	02 nos.
26	Centre for Energy Regulation(CER),IIT-Kanpur	04 nos.
27	ESCI	02 nos.
28	BCC&I(The Bengal Chamber of Commerce and Industry)	01 no
29	NPTI-Durgapur-RDSS	30 nos.
30	CSIRT-Power, IIT Kanpur	04 nos.
31	IPPAI POWER AWARDS CEREMONY	02 nos.

32	NIELIT SALT LAKE CAMPUS	10 nos.
33	IIM SHILONG	15 nos.
34	IEEMA	02 nos.
35	M/S. UE System Inc.	10 nos.
36	Ministry of Jal Shakti,CWC & DRIP	02 nos.
37	CEA-TPDDL	05 nos.
38	NPTI(EASTERN REGION)	02 nos.
39	IPPAI REGULATORY & POLICY RESEARCH INSTITUTE	02 nos.
40	IEX ACADEMY-IIT BOMBAY RESEARCH HUB FOR GREEN ENERGY &SUSTAINABILTY	02 nos.
<b>Total</b>		<b>273 nos.</b>

**CORPORATE HR DEPARTMENT:****Deceased dependent recruitment during the year 2024-25**

Category	Class-III	Class-IV	Total
Technical	-	15	15
Non-Technical	1	6	7
Total Employment			22

**New contractual engagement during the year 2024-25**

Category					
Security and S&LP Wing	Land Wing	Legal Wing	Pvt. Secretary	Others	Total
18	3	-	4	6	31

**Promotion of the Technical & Non-Technical employees during the year 2024-25**

	Technical	Non-Technical	Total
Class-I	154	50	204
Class-II to Class-I	75	6	81
Class-II, III & IV	724	644	1368
Total			1653

**Promotion beyond CPS of Class-I (Technical) during the year 2024-25**

Sl. No.	Promotion in Cadre	No. of Employees
1.	Addl. Chief Engineer to Chief Engineer	4
2.	SE/Dy. CE to Addl. Chief Engineer	10
3.	DE (E) to SE (E) (under 1/3 quota)	5
Total		19

**Promotion under CPS of Class-I (Technical) during the year 2024-25**

Sl. No.	Promotion in Cadre	No. of Employees
1.	DE (E) to SE (E)	26
2.	DE (C) to SE (C)	14
3.	DE (IT&C) to SE (IT&C)	6
4.	AE (E) to DE (E)	21
5.	AE (U) to DE (E)	62
6.	AE (IT&C) to DE (IT&C)	2
7.	AE (C) to DE (C)	2
8.	AE (M) to DE (M)	2
Total		135

**Promotion beyond CPS of Class-I (Non-Technical) during the year 2024-25**

Sl. No.	Promotion in Cadre	No. of Employees
1.	AGM (HR&A) to GM (HR&A)	1
2.	AGM (F&A) to GM (F&A)	1
Total		2

**Promotion under CPS of Class-I (Non-Technical) during the year 2024-25**

Sl. No.	Promotion in Cadre	No. of Employees
1.	Sr. MO to Dy. CMO	1
2.	Manager (HR&A) to Sr. Manager (HR&A)	5
3.	Manager (F&A) to Sr. Manager (F&A)	14
4.	Asst. Manager (HR&A) to Manager (HR&A)	15
5.	Asst. Manager (F&A) to Manager (F&A)	12
6.	Asst. Mgr. (Company Affairs) to Manager (Company Affairs)	1
Total		48

**Promotion under CPS of Class-II to Class-I (Technical) during the year 2024-25**

Sl. No.	Promotion in Cadre	No. of Employees
1.	Jr. Engineer (C) Gr.-I to AE (C)	1
2.	Foreman Gr.-I to AE (U)	1
3.	Jr. Engineer (M) Gr.-I to AE (M)	4
4.	T.C.O. to AE (U)	10
5.	Jr. Engineer (E) Gr.-I to AE (U)	22
6.	Jr. Engineer (Operation) to AE (U)	37
Total		75

**Promotion under CPS of Class-II to Class-I (Non-Technical) during the year 2024-25**

Sl. No.	Promotion in Cadre	No. of Employees
1.	Jr. Manager (O.O.) to Asst. Manager (O.O.)	4
2.	Hg. Laboratory Technician to Gr.-I	1
3.	Hg. Pharmacist to Gr.-I Pharmacist	1
Total		6

**Welfare Activities during the year 2024-25**

- ❖ Conduction of Biannual fire Drills at WBSEDCL in ISMS locations.
- ❖ Tie-up with another 9 (nine) Multi-Super Specialty Hospitals for treatment of the employees and their dependents
- ❖ Payment of one time ex-gratia grant of ₹51,800/- only to employees of Vidyut Bhavan Canteen Mahila Samabay Samity Ltd. for festive season.

- ❖ Payment of ₹ 60,000/- only as recoverable interest free advance to employees of Vidyut Bhavan Canteen Mahila Samabay Samity Ltd. for festive season.
- ❖ Renewal/Fresh tie-up of Group Medical Policy for the retired employees of WBSEDCL in association with The New India Assurance Co. Ltd.
- ❖ Implementation of bulk post paid CUG Mobile Connections & Services for the officials of WBSEDCL in association with M/s Reliance JIO Infocom Ltd.
- ❖ Organizing the Felicitation Programme to the meritorious wards of the employees & part time workers of WBSEDCL at Vidyut Bhavan.
- ❖ Modification & Clarification regarding applicable rates & charges for occupation in different GH/IB of WBSEDCL
- ❖ Implementation of outdoor medical services at approved rates for the pensioners (including spouse)/Family Pensioners of WBSEDCL.
- ❖ Formation of guidelines the existing definition of 'Family' as given under Regulation 2(d) of the WBSEB (Medical Attendance & Treatment) Regulations, 1964 (since adopted by WBSEDCL).
- ❖ Enhancement of onetime benefit from Rs. 3 lakh to Rs. 5 lakh in respect of Part Time Sweepers engaged WBSEDCL and contractual workers of erstwhile SHRELCOP presently engaged under Singur-Haripal Division of WBSEDCL
- ❖ Inclusion of certain outdoor/day care treatment for medical reimbursement/benefits of the employees of WBSEDCL.
- ❖ 'LTC & HTC Policy-2025' for the employees of WBSEDCL.

#### **Health issues during the year 2024-25**

As a part of the HRM Policy, Health is a priority issue of the Company. Health of each individual employee is to be ensured in order to optimize output. As such, Company undertakes:

- ❖ Amount of medical reimbursement made during 2024-25 has been ₹20.96 crore.
- ❖ As on 31.03.2025 Medical advance was ₹8.10 crore.
- ❖ 2 nos. Medical Board was conducted.
- ❖ Vetting of pre-employment checkup done for 30 nos. cases.

#### **Performance report of the Corporate Land Acquisition Cell during 2024-25**

- ❖ Total plot of lands procure during the year:- 12 Nos.
- ❖ All the plots procured for construction of 33/11 KV Sub-station.

- ❖ Permissive possession taken from High Court Circuited Bench- 1 No.
- ❖ Permissive possession taken from WBSETCL:- 4 Nos.
- ❖ Permissive possession taken from WBHIDCO:- 1 No.
- ❖ Sub-lease from Bengal Aerotropolis Project Ltd.:- 1 No.
- ❖ Vested land on lease basis:- 2 Nos.
- ❖ Purchased land:- 1 No
- ❖ Gifted land:- 2 Nos.
- ❖ Details of the land as follows:-

SL. No.	District	Name of Sub-stn	PS	Mouza(J.L)	Area (in acre)	Method of acquisition
1	North 24 PGS	Mohispota	Khardah	Mohispota (26)	0.80	Permissive possession given by WBSETCL
2	North 24 PGS (New Town)	ESS 33/11 KV	ECO Park/02/2-0705	ECO Park	0.19	Permissive possession given by HIDCO
3	Hooghly	Bighati 33 KV Sub-station	Bhadreswar	Bighati (214)	0.36	Permissive possession given by WBSETCL
4	Purba Burdwan	Para 33/11 KV Sub-stn	Galsi	Jotkolkol(8)	0.90	Gifted
5	Paschim Burdwan	Aerotropolis Project Dakshin Khanda 33/11 KV Sub-stn	Andal	Dakshin Khanda (36)	1.83	Lease
6	Paschim Medinipur	Neradaul	Keshpur	Talkuai (200)	0.55	Lease
7	Paschim Medinipur	Madanmohanc hak	Narayangarh	Barakalankai (486)	0.40	Purchase
8	Paschim Medinipur	Narendrapur 33 K.V.Sub-Station	Midnapur	Narendrapur (219)	0.55	Permissive possession given by WBSETCL



9	Jalpaiguri	Odlabari 33/11 KV Sub-station	Malbazar	Odlabari(20)	0.11	Permissive possession given by WBSETCL
10	Jalpaiguri	Jalpaiguri Circuit Bench	Kotwali	Kharia (7)	0.4931	Permissive possession taken from High Court Circuited Bench
11	Jalpaiguri	Kukurjan	Rajganj	Kukurjan (29)	0.41	Lease
12	Darjeeling	Ananda Vile	Matigara	Baragharia (82)	0.1054	Gift

### **SAFETY INITIATIVES:**

In FY 2024-25, officials of Corporate Safety Cell have performed with utmost diligence, sincerity & dedication towards ensuring safe system infrastructure and safe working practice. Effective actions have been taken to develop awareness of general public also on risks associated with handling of electricity.

#### Some of the activities:

#### **I) Related to System Vulnerabilities:**

- Thousands of potential vulnerabilities have been detected in LT & HT distribution network and substations including some consumer premises conducting regular inspections. Concerned site offices have been asked to take suitable measures to remove those defects with due diligence.
- Inspection & post inspection monitoring of actions taken by site offices have been undertaken with the help of Desktop & android based Safety Inspection Application developed by IT Cell.
- Information on a good no. of system defects received from general public through safety WhatsApp messages have been shared with concerned site offices and subsequent rectification work have duly been followed.

## II) Related to System Enhancement :

- Activated BCF function in almost all compatible existing numerical feeder protection relays including the relays of the feeders of WBSEDCL emanated from WBSETCL's substations to increase sensitivity of network protection system.
- To avoid accidents due to clashing of live conductors, in principle clearance has been obtained for introducing insulated conductor cover at strategic locations. Requisition has been made for P&C Wing to procure the item as per approved technical specification.

## III) Related to Safety of Agency Workers :

- Interacted with agency workers to make them realize the needs for worksite barricading, safe zone creation and need for using discharge rod, high voltage detector etc.
- Token penalty have been imposed on a good number of agencies for their violation of safety norms during execution of work at worksites.
- Actions have been taken to make the agencies provide with all the requisite PPEs with unique code painted on it so as to ensure availability of all requisite PPEs in mobile maintenance vans.
- Training of the trainers for Behavior Based Safety Training has been imparted.
- To ensure participation of agency workers in safety trainings conducted by EETI, stipend has been introduced for the participants.
- Arranged & attended a number of safety awareness programs.

## IV) Related to Developing Public Awareness :

- 42" LED displays have been provided to a no. of CCCs having a sizable number of visitor foot prints for playing & displaying safety awareness videos & messages.
- Booklets on safety awareness for general public have been distributed in some fairs.
- Introduced safety messages as "Hello Tune" in CUG numbers.

## V) Related to Accidents:

- Pendency of accident enquiry have been monitored thoroughly using upgraded ERP Accident Module
- Made root cause analysis of few accidents and tried to percolate the observations to all concerned to find out workable solutions to the problems.

It has been observed that during FY 2024-25 majority of the accidents to common people occurred due to earthing failure, conductor snapping and insufficient ground clearance.

It could also be noticed that majority of the accidents that took place to agency workers were due to non creation of “Safe Zone” at worksite using discharge rods & earth chains.

In FY 2024-25, in 20 no. of Distribution Divisions, no accident occurred where WBSEDCL can be held responsible, directly or indirectly. Those 20 Distribution Divisions will be awarded with a Certificate of Appreciation in due course by highest authority of the Company.

#### **CORPORATE COMMUNICATION DEPARTMENT:**



**BEST PR CAMPAIGN AWARD**



BEST PUBLIC SERVICE ADVERTISEMENT



BEST SOCIAL MEDIA CAMPAIGN



CHANAKYA AWARD





## INTERNAL COMMUNICATION CAMPAIGN



## IPPAI POWER AWARDS





## MOTIVATIONAL FILMS

## **IT CELL**

### **Major Activities:**

- ✚ IT related project planning, implementation and management of consumer service and intended business across WBSEDCL
- ✚ Implementation of Data Centre (DC) & Disaster Recovery Centre (DRC) for providing comprehensive IT services
- ✚ Management & implementation of all internal business processes of WBSEDCL through SAP-ERP application software
- ✚ Management and implementation of different consumer friendly value-added services with Metering, Billing & Collection application through SAP-ISU module
- ✚ Management of Spot Billing Activity of entire consumer base through home grown solution of WBSEDCL
- ✚ Implementation of Smart Metering solution (Advanced Metering Infrastructure)
- ✚ Operation & maintenance of high-end communication backbone to facilitate error free inter-connectivity between different units of WBSEDCL
- ✚ Development and maintenance of various application S/W packages
- ✚ Energy management and energy Auditing
- ✚ Hosting and maintenance of WBSEDCL website
- ✚ GIS Survey of HT & LT Network and consumers
- ✚ Implementation of ISMS & ISO 27001:2022 Certification
- ✚ Video Conferencing system upto Division Level
- ✚ Paperless Board Meeting Management System
- ✚ Biometric Attendance System upto Division Level and new ongoing project upto CCC Level
- ✚ Vehicle Tracking System for HT/LT mobile vans
- ✚ Advanced agent-based Endpoint Detection and Response (EDR) solution integrated with next-generation antivirus and Data Loss Prevention (DLP) features.
- ✚ Comprehensive management of Critical IT and Non-IT Infrastructure of WBSEDCL's tier-3 Data Centre and DR Centre.
- ✚ Maintenance of Vidyut Bhavan network, system including UTM, LAN, WIFI, UPS etc.
- ✚ 24/7 CCTV monitoring is in place at Vidyut Bhavan, with an upcoming project to integrate all existing CCTVs from site offices into a Central Command Centre

**Advanced Metering Infrastructure (AMI) implementation under RDSS: -**

Total targeted consumer as per LOA is 2.47 Lakh (comprising of Commercial, Industrial, and Government LT consumers) out of which Meter installed till date is 1,19,424. Prepaid modality will be rolled out shortly for those consumers.

**AMI implementation under World Bank Fund: -**

WBSEDCL's World Bank-funded Smart Meter project, with PwC as IT-PMC, aims to install 480,000 meters. HPL Electric & Power Ltd., contracted in June 2023, supplied 83,600 and installed 38,000 by March 2025.

**RDSS Scheme: -**

RDSS Loss Reduction's IT-OT work, budgeted at ₹95 Cr.

- OMS (Outage Management System) procurement is underway (Infinite Computer Solutions SI).
- DC-DR capacity/ enhancement/ modification is in financial evaluation post-tender.

**Information Security Management System (ISMS) & ISO 27001:2013 Certification: -**

- ISMS implemented across 17 critical sites, transitioned to ISO 27001:2022.
- AD (Active Directory) implementation underway at ISMS locations, including Vidyut Bhawan.
- Network segmentation and centralized internet access in progress.
- WAF (Web Application Firewall) implemented at DRC, full deployment at Data Centre ongoing.
- Implementing threat intelligence advisories from government agencies.
- SOC (Security Operations Centre) planned for 2025-26, supported by World Bank consultants.

**CRM developments: -**

- ❖ For the FY 24-25, the following major projects were implemented under CRM:
  - Implemented new connections and load enhancement under Procedure-D (2023) for consumers with contractual demand from 200 KVA to 1500 KVA and through WBSEDCL Web Portal.
  - Implemented automatic load enhancement under Procedure-C if the installed solar capacity is more than consumer's contract demand under non-subsidy scheme adding the load enhancement charges with the single Procedure-C Quotation.

- Integration with AMISPs under RDSS and World Bank Scheme enables smart meter billing for over 42 lakh consumers, alongside automated load enhancement for solar capacity. CRM updates, ERP integration, and local agency involvement streamline meter replacement, new connections, and grievance resolution, an in-house app facilitates scope creation and notifications.
- ❖ The target for the FY 25-26 includes the following:
  - Smart meter-based service connections, load enhancements, and solar rooftop integration are to be streamlined under World Bank, RDSS, and other schemes. CRM disaster recovery, outage management, and Oracle EBS (E-Business Suite) improvements will be implemented to enhance reliability and efficiency.

**DC-DR Enhancement: -**

- WBSEDCL's tier-3 Data Centre and Disaster Recovery Centre support core IT applications for 2.39 Cr. consumers. Upgrades under RDSS enhance network speed, storage, backups, and cybersecurity, ensuring 99.95% availability. Key improvements include SAP-HANA compatibility, DC-DR replication, infrastructure refresh is under progress.
- By May 2025, WBSEDCL plans a major IT equipment upgrade for IT Cell, DC, and DRC, alongside an advanced automation-enabled helpdesk system with asset management capabilities in future.

**Implementation of EDR (Endpoint Detection & Response): -**

WBSEDCL is set to enhance cybersecurity with an advanced EDR solution featuring next-gen antivirus and DLP. The rollout begins in May 2025, with an initial deployment of 6000 agent licenses, followed by 1500 more, reinforcing IT infrastructure and data protection.

**Network Enhancements: -**

- ❖ WBSEDCL has commissioned 30 new MPLS links and upgraded bandwidth across 70 sites. DC, DR, and Vidyut Bhavan ILL (Internet Lease Line) upgraded to 200 Mbps. DDOS (Distributed Denial of Service) protection incorporated at DC ILL, integration with Smart meter cloud implemented.
- ❖ WBSEDCL's FY 2025-26 plan includes SDWAN (Software Defined Wide Area Network) and managed switch implementation, IVRS (Interactive Voice Response System) upgrade, VPN two-way authentication, network monitoring tool development with SMS notification support, Upgradation of firewall and WiFi at Vidyut Bhavan.

**GIS survey under SEEDN scheme: -**

WBSEDCL has surveyed 797 33/11 KV substations and 141 132/220/400 KV substations. HT network and HV-EHV consumer surveys cover 7,247 feeders and 11,685 bulk consumers, while LT network survey includes 3,25,625 DTRs and 78 lakh consumers.

**e-Office: One-stop access point of organization information and applications/services: -**

- ❖ WBSEDCL has launched the E-office application to enable a paper-free environment, securing 7,500 user licenses from NIC for eOfficeLite. The system is live across all departments, with over 5,500 users already trained.
- ❖ Necessary hardware for e-Office version upgrade (from V6 to V7) identified, configured, and handed over to NIC for vetting. Implementation of DR Set up for e-office Application is planned for FY 2025-26.

**Implementation of MS Office 365: -**

- ❖ WBSEDCL renewed Microsoft Office 365 licenses for 1,765 users, offering 50 GB mailbox, 1 TB OneDrive storage, and online MS Office apps. A bulk mailing solution can send up to 2 lakh emails daily with 2 MB attachments.
- ❖ Target Plan in FY 2025-26: Email infrastructure is being streamlined by bypassing the Symantec Mail Gateway for direct internal/external mail routing. Bulk mailing is being integrated via API into in-house applications, and O365 is being integrated with other systems for diverse email functionalities.

**Status of various projects under ERP: -**

- ❖ WBSEDCL digitized the internal audit process and integrated it with ERP.
- ❖ Power procurement streamlined through the Power Purchase Module.
- ❖ Vendor portal enhanced for downloading FORM16 and payment certificates.
- ❖ ERP-enabled NOC issuance for passports, renewals, visas, and foreign travel.
- ❖ Centralized online vendor payments integrated with banks via SFTP.
- ❖ Lease accounting process enhanced with automated PO generation.
- ❖ Fixed asset tracking improved with Completion and Put-to-Use Certificates.
- ❖ CWIP mapping integrated into ERP for structured asset linkage.
- ❖ GIS and ERP integration implemented via Purchase Orders.
- ❖ Capital Expenditure Control Mechanism strengthens financial governance.
- ❖ MSME bill discounting integrated with SAP ERP via Invoicemart.
- ❖ Smart meter replacements linked with PO generation through CRM.
- ❖ Substation condition monitoring integrated into PM module.

- ❖ Online PAR/SAR submission enabled for Class I-III employees via ERP.
- ❖ Online asset declaration submission activated for Class I-II employees.
- ❖ System audit implemented in alignment with MCA guidelines.
- ❖ The target for the FY 25-26 includes the following:
  - Vendor portal to be enhanced for bank account details upload and ERP-based approval.
  - Purchase Orders and defective DTRs/meters lists will be displayed in Vendor Portal.
  - Restructuring SAP ISU-FICA and SAP ERP-FICO modules for better alignment.
  - Serialization of returned DTRs for lifecycle tracking and efficient utilization.
  - "Sub-Functional Location" concept in PM Module with CRM integration for DTR tracking.
  - Integration of biometric attendance systems with ERP for workforce management.
  - Enhanced WhatsApp service for internal employees and authorized vendors.
  - Enhanced NOC process for employees purchasing immovable assets.
  - Mobile app development for WBSEDCL pensioners for essential services and information.
  - Mobile app development for Condition Monitoring System document management.
  - Implementation of SAP S/4HANA to enhance system performance and streamline processes.

**WhatsApp Bot Implementation: -**

WBSEDCL has launched WhatsApp services for No Power Docket, Bill Download, Payment, Quotation Generation, and Mobile Number Registration, enhancing accessibility and provide value added services to consumers.

**Various Projects under ISU: -**

- ❖ WBSEDCL has launched the iOS Vidyut Sahayogi App on the Apple App Store in December 2024, providing consumer-centric services for postpaid and prepaid connections.
- ❖ In-house developed Safety Inspection System launched on November 26, 2024 to standardize safety checks across LT and HT networks ensuring structured monitoring and improved safety compliance.
- ❖ Integration of Smart prepaid related webservice between SAP IS-U & MDMS
- ❖ About 1.75 lakhs smart meters installed by M/s Apraava & M/s GVPR have been converted to prepaid billing modality in the IS-U System

- ❖ The integration with M/s Polaris regarding smart meter installation and subsequent conversion to prepaid is under process.
- ❖ Integration with Head End System for 2.47 Lakh Smart Meter installation under RDSS Scheme
- ❖ Implementation of Prepayment facility through BBPS channel & WBSEDCL Web Portal for AMI Smart Meter connected consumers has been completed.
- ❖ Integration of SBI Payment Gateway service on Web Portal / Mobile App of WBSEDCL completed.
- ❖ The in-house developed Bilingual Short URL facility now caters to Smart Meter connected prepaid consumers, allowing them to view balances, statements, recharge, and access the prepaid dashboard since January 2025.
- ❖ Integration with CEI Portal has been completed and the same will be utilized during New Service Connection application process to apply and download Clearance Certificate from CEI.
- ❖ WBSEDCL has introduced a Spot Billing mobile app to manage deemed disconnected consumers.
- ❖ Under the World Bank project, WBSEDCL is installing smart meters for 4.87 lakh consumers. Meter readings are sent to WBSEDCL for billing via an API developed by WBSEDCL and used by M/s HPL. This integration was completed in September 2024.
- ❖ Onboarding of WBSEDCL at Digi Locker system of GoI has been completed and consumers can view their electricity bills at Digi Locker system now.
- ❖ Integration with Passport Verification Service of West Bengal Police has been completed, enabling seamless and secure data access, ensuring efficient service delivery to citizens.
- ❖ Incorporation of Gender and CIN entry & PAN validation has been completed for New Connection, Load Enhancement and Change of Ownership processes.
- ❖ **Target plan in FY 2025-26:**
  - WBSEDCL is introducing an AI-based meter reading module to enhance accuracy and efficiency during spot billing.
  - Upgradation of AMR system for all HT bulk consumer is under implementation phase.

## COMMUNICATION CELL:

### Major Activities:

Managing IT&OT projects like AMI, SCADA-ADMS, and RMU automation with FRTU integration under RDSS and World Bank funding. Additionally, VHF and Walkie-Talkie sets are being procured for various site offices to enhance communication and operations.

### **RDSS Scheme: -**

#### ➤ **Smart Metering-**

- ❖ Includes 37.18 lakh consumer smart meters, 3.05 lakh DT smart meters, and 11,874 feeder meters, with an estimated cost of Rs. 2933.25 Cr. The cloud-based IT system follows an OPEX model, where AMISP ensures service, maintenance, and infrastructure upgrades.

### **World Bank Scheme: -**

#### ➤ **SCADA/ADMS-**

- ❖ WBSEDCL's SCADA/ADMS implementation under WBEDGMP will automate 122 substations and 732 RMUs through FRTUs with World Bank funding. The integrated system ensures dual reporting to MCC and BCC, with control from DOC, improving operational efficiency and enabling uninterrupted power supply.
- ❖ **Status:** Contract agreement signed with SIA (System Implementation Agency) M/s. L&T on 12/03/2025 and site survey has been completed for 30 nos. 33/11 KV substations. Scheduled time of completion of this project is within 10/01/2027.

Current progress of the Smart Metering Project under RDSS jointly managed by IT Cell & Communication Cell						
Sl. No.	Item	Total Meter	Meter Installed	Meter Breakup	Status	Managed by
1	Tender-1	2.47 Lakh	Consumer meter-1,19,424	Govt.: 28,606 Commercial: 46,363 Industrial: 44,455	Prepaid mode to be rolled out shortly	IT Cell
2	Tender-2	37.85 Lakh	Consumer meter-2,80,393 Feeder meter-3000	Commercial: 29,001 Domestic: 2,51,392	Prepaid mode operational - 1,70,000 nos.	Communication Cell
Total Smart meter under RDSS scope:				Consumer Meter: 37,17,969 DT Meter: 3,05,419 Feeder Meter: 11,874		