



**DEPARTMENTALLY RELATED STANDING COMMITTEE
ON DEVELOPMENT (A) DEPARTMENTS**

ASSAM LEGISLATIVE ASSEMBLY

(FIFTEENTH ASSEMBLY)

DEMAND FOR GRANT NO. 62 FOR THE YEAR 2025-26

DEPARTMENT : POWER (ELECTRICITY)

TWENTY SEVENTH REPORT

Presented to the House on 21st March, 2025

**ASSAM LEGISLATIVE ASSEMBLY SECRETARIAT
DISPUR : : GUWAHATI- 781006**

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**COMPOSITION OF THE DEPARTMENTALLY RELATED
STANDING COMMITTEE ON
DEVELOPMENT (A) DEPARTMENTS,
2025-26**

CHAIRPERSON

- | | |
|-------------------------------------|-----|
| 1. Shri Gobinda Chandra Basumatari, | MLA |
|-------------------------------------|-----|

MEMBERS

- | | |
|--------------------------------|-----|
| 2. Shri Padma Hazarika, | MLA |
| 3. Shri Sibumisra, | MLA |
| 4. Shri Dipayan Chakraborty, | MLA |
| 5. Shri Ajoy Kumar Ray, | MLA |
| 6. Shri Krishna Kamal Tanti, | MLA |
| 7. Shri Ponakan Baruah, | MLA |
| 8. Shri Misbahul Islam Laskar, | MLA |
| 9. Shri Jakir Hussain Sikdar, | MLA |
| 10. Shri Diganta Barman, | MLA |
| 11. Shri Suzam Uddin Laskar, | MLA |
| 12. Shri Nijanur Rahman, | MLA |
| 13. Shri Charan Boro, | MLA |

SECRETARIAT

1. Shri Dulal Pegu, Secretary.
2. Shri Rajib Bhattacharyya, Additional Secretary.
3. Shri Parag Kumar Medhi, Deputy Secretary.
4. Smti Sewali Devi, Under Secretary.
5. Shri Mahen Ch. Doley, Under Secretary.
6. Shri Baidurjya Bharali, Superintendent.
7. Smti Aporna Devi Sarmah, Asstt. Language Officer.

INTRODUCTION

1. I, as Chairperson of the Departmentally Related Standing Committee on Development (A) Departments having been authorized by the Committee to submit the Report on their behalf present this **Twenty Seventh Report** on Demand for **Grant No. 62** relating to **Power (Electricity), Department** for the financial year 2025-26.
2. The Committee has considered the Demand for **Grant No.62** on the Budget Estimate for the year 2025-26 in its meeting held on **13th March, 2025**.
3. The Committee has been befitted with the assistance rendered by the Government representatives during the course of examination of the Budget Estimates under the aforementioned Grant for the year 2025-26. The Committee has formulated its observations taking into consideration the valuable submission rendered by official witnesses during the course of consideration of the Budget Estimates.
4. The Committee would also like to place on record their deep sense of appreciation for the invaluable assistance rendered to them by the officials of Assam Legislative Assembly Secretariat attached to the Committee.
5. The Committee has considered the Draft Reports on 16th March, 2025 and approved it on the same day.

Place : Dispur
The 16th March, 2025.

GOBINDA CHANDRA BASUMATARI
Chairperson,
Departmentally Related Standing Committee
on Development (A) Departments,
Assam Legislative Assembly.

CHAPTER-1
POWER
GRANT NO-62

After presentation of the Budget in the House for the Financial Year, 2025-26, the Departmentally Related Standing Committee on Development (A) Departments in its meeting held on 13th March, 2025 discussed on **Grant No.62 (Power Department)**.

The Departmentally Related Standing Committee on Development (A) Departments in its meeting held on 13th March, 2025 examined the papers and documents received from the concerned department and took evidence of the Departmental representative. Besides, the Committee considered the Action Taken Report on the recommendations contained in the **26th Report** in addition to the scrutiny of the Budget provision.

	REVENUE	CAPITAL	TOTAL (Rs. In lakhs)
VOTED	55452.70	207156.72	262609.42
CHARGED	0.00	0.00	0.00

The detailed Budget Estimates under the **Grant No.62** for the Financial year 2025-26 are as below :-

(Rupees in Lakhs)		
Revenue Accounts		
Head of Account	Major Head	Budget Estimates
2045	Other Taxes & Duties on commodities and Services	608.52
2801	Power	54844.18
4075	Capital Outlay on Miscellaneous General Service	23.75
4801	Capital Outlay on Power project	207132.97
6801	Loans for power project.	0.00
	Grand Total Rs.	262609.42

Budget provision under **Grant No.62** is relating to **the Power Department**. The amount so allocated before the House and is proposed to be spent in revenue and capital expenditure respectively.

CHAPTER-2 POWER ELECTRICITY

During the year 2024-25, total Budget provision for the Inspectorate as a whole was Rs. 664.74 Lakh including salary.

Present staff pattern of the Inspectorate of Electricity, Assam is shown below:

Sl. No.	Designation of the Post	Sanctioned Post at		Vacancy position As on February/ 2025
		Head Office	Zonal Office	
1.	Chief Electrical Inspector-cum-Adviser.	1	-	1 (One)
2.	Addl. Chief Electrical Inspector-cum-Adviser.	1	-	Nil
3.	Deputy Chief Electrical Inspector	2	-	2 (Two)
4.	Senior Electrical Inspector.	1	4	5 (Five)
5.	Electrical Inspector (Senior Grade)	3	4	4 (Four)
6.	Electrical Inspector.	-	4	2 (Two)
7.	Asstt. Electrical Inspector.	2	-	Nil
8.	Sub-Asstt. Electrical Inspector.	4	4	5 (Five)
9.	Stenographer.	2	-	1 (One)
10.	Addl. Secretary, ELB.	1	-	Nil
11.	Superintendent.	1	-	Nil
12.	Senior Assistant.	5	4	2 (Two)
13.	Junior Assistant.	9	8	5 (Five)
14.	Accountant.	1	-	Nil
15.	Record Keeper.	1	-	Nil
16.	Driver.	6	4	2 (Two)
17.	Duftry.	1	-	Nil
18.	Chowkidar.	1	4	1 (One)
19.	Peon.	9	12	2 (Two)
20.	Electrical Jugali.	9	12	13 (Thirteen)
	Total	60 Nos.	60 Nos	45 Nos

Details of works and activities carried out during the year 2024-2025 till date by the Inspectorate of Electricity, Assam are shown below:

A. Inspection works:

i)	Inspection of High & Extra high voltage installations:	138 Nos.
ii)	Approval of generating sets under CEA Regulation 34:	114 Nos.
iii)	Inspection and approval of High rise buildings:	Nil.
iv)	Periodical Inspection of Cinema Halls:	Nil.
v)	Inspection of Lifts;	585 Nos.
vi)	Inspection of Escalators;	06 Nos.
vii)	Electrical accident inquiries conducted as per direction of Government and Hon'ble Court:	06 Nos.

B. Licensing matters:

i)	Electrical Supervisors certificate of competency granted to qualified candidates:	846 Nos.
ii)	New Electrical Contractors License granted:	272 Nos
iii)	Electrical Workmen permits granted:	10,219 Nos.

Total revenue collected from inspections & licensing matters : Rs.83,72,940.00

Since 15th October 2017 till date, the all G2B Services in relating to this Inspectorate of Electricity are online and operational within the Single Window Clearance System (EoDB) Assam.

The office of the Chief Electrical Inspector -cum- Adviser, Assam is also the State Designated Agency (SDA) for the State of Assam under the Energy Conservation Act, 2001 to coordinate, regulate and enforce the provisions of the Act in the State. In the matter of energy conservation works in the State, the Assam SDA is required to work in tandem with the Bureau of Energy Efficiency (BEE), Government of India, a statutory body under the Energy Conservation Act.

In order to activities in the Inspectorate of Electricity, Assam in respect of effective administration of the Act, Rules/Regulations keeping pace with increased works, it has become essential to expand the Inspectorate with additional workforce, infrastructural facilities like adequate vehicles, adequate travel expenses and regular release of monthly ceilings to meet obligatory payments.

PRELIMINARY STATUS PAPER RELATED TO GRANT 62 OF 2024-25

Rs. In Lakh

Sl. No.	Project Description	Approved cost during 2024-25	Fund Received Status	Fund Utilization Status	Present Status
1	2	3	4	5	6
A	(Budget Head 4801-80-190-2062-501-20-99-SOPD-G-GA-V)				
	APGCL Normal work Component	11534.71	00	Liability has been created	Work in Progress
B	(Budget Head 4801-01-800-5476-000-43-01-EAP-GA-V)				
	Lower Kopili H.E. Project, Central Share& state share	93399.00	78336.80	Fund Utilized	Work in Progress
D	(Budget Head 2801-80-001-6219-312-26-70)				
	Disaster Risk Reduction Activities.	133.33	0.00	Fund not received	Work in Progress
	TOTAL (INCL. SDBUDGET)	105067.04	78336.80		

PRELIMINARY STATUS PAPER RELATED TO GRANT 62 OF 2025-26

ASSAM POWER DISTRIBUTION CO. LTD. (APDCL)

Sl. No.	Name of Project/ Scheme	(Rs. in Lakhs)	
		Budget Proposed during FY 2025-26	Present Status of the Fund
1	2	3	4
A	Grant No.62 (Budget Head 4801)		
1	Procurement, Installation, Augmentation and Repair of Distribution & Power transformer along with lines, fittings and necessary civil works.	6250.00	The proposals is placed for Budget approval for the FY 2025-26 under SOPD & EAP, Grant NO.62
2	24x7 Protection towards wildlife corridor.	2000.00	
3	10% State Share component of RDSS infrastructure works-Loss Reduction implemented by APDCL.	5000.00	
4	State Tax Reimbursement to PGCIL for 'Composite schemes of transmission and distribution in NER (NERPSIP)	310.34	
5	Debt Servicing for RE related works Implemented by APDCL (NON-AA)	6065.84	
6	Strengthening of Distribution Network	4319.82	
7	Electrification of establishing On-Grid connectivity to the Amarpur Char area under Tinsukia Elect. Circle	750.00	
8	Installation of DTR fencing in vulnerable locations as safety measures	300.00	
9	Additional HHs under RDSS	4696.00	
10	Rooftop solar PV station at Guwahati Medical College and Hospital	1200.00	
11	Assam Power Distribution System Enhancement & Loss Reduction Project (AIIB)	106500.00	
		24243.00	
12	Implementation of 1000 MW Solar Power Plants across the State under Mukhya Mantri Souro Shakti Prokolpo	251800.00	
		41500.00	
B	Grant No.62 (Budget Head 2801)		
13	Targeted Subsidy to APDCL.	20000.00	
14	Tariff Subsidy	20000.00	
15	Energy Forecasting and Analytics	708.00	
16	Loss in perpetuity	500.00	
17	PM SURYA GHAR STATE SUBSIDY	1500.00	
GRAND TOTAL		497643.00	

ANNUAL REPORT OF THE DEPARTMENT

Status of APGCL For the financial year 2024-25 is as follows: -

RUNNING POWER PLANTS (As on 24.02.2025)

- 1. Lakwa Thermal Power Station (97.2 MW):** Presently LTPS is generating an average of 60 MW (61.72%) load subject to availability of gas.
- 2. Lakwa Replacement Power Project (69.75 MW):** Presently LRPP is generating an average of 65-68 MW (93%) load subject to availability of gas and demand.
- 3. Namrup Thermal Power Station (41 MW):** At present Namrup Thermal Power Station is generating at an average of 20-22 MW (50%) subject to availability of gas and demand.
- 4. Namrup Replacement Power Project (98.4 MW):** Presently NRPP is generating an average of 94.0-98.4 MW (96%-100%) load subject to availability of gas and demand.
- 5. Karbi Langpi Hydro Electric Project (100 MW):** At present KLHEP is generating at an average of 80 MW-100 MW as per availability of water and load demand.
- 6. Myntriang Stage-I Small HEP (9 MW):** MSHEP Stage-I generating at an average 2 MW-4 MW (40%) as per availability of water.
- 7. Myntriang Stage-II Small HEP (4.5 MW):** MSHEP Stage-II is generating at an average 1 MW -1.3 MW (28%) as per availability of water.

ONGOING PROJECTS OF APGCL

Lower Kopili Hydro Electric Project (120 MW):

The 120 MW Lower Kopili Hydro Electric Project is one of the stage developments of Kopili River valley development which will augment the power generating capacity of the state. Location in the Dima Hasao and Karbi Anglong Districts of Assam, the project is funded by Asian Development Bank under its Assam Power Sector Investment Program. As of now Contracts for all the four project packages have already been awarded. The Project is expected to be completed by September 2025.

UPCOMING PROJECTS OF APGCL

A. Solar Projects:

1. 25 MW Namrup Solar PV Project (NSPP):

1. APGCL and OIL signed the JV Agreement for project of total 645 MW.
2. Approval of Niti Aayog and DIPAM for the JVC obtained on 15.07.24
3. EPC contractor finalized both by APGCL and OIL. LOA to be issued after 1st Board Meeting of JVC.
4. JVC incorporation on 21-02-2025.

2. Implementation of new solar projects by APGCL at different districts of Assam:

APGCL has taken up 25 MW Namrup Solar Power and 50 MW Lower Kopili Solar Project for implementation. It will enhance the state's green energy production and will fulfil commitment to clean environment.

Small Hydro Projects:

24 MW KARBI LANGPI MIDDLE-II HYDRO POWER PROJECT:

1. Package - 1 Civil works: NTP issued on 08.10.2024 and site development work, approach road and site office construction are on-going.
2. Proposal for loan from NABARD for the project is forwarded to power department, GoA on 11.11.2024, loan approval is awaited.
3. Package -2 : HM tender under preparation & will be floated shortly.
4. Package-3: EM tender floated on 03-02-2025.

22.5 MW KARBI LANGPI MIDDLE-I HYDRO POWER PROJECT:

1. Proposal with revised project cost of Rs. 386.42 Cr was submitted to GoA for PIB approval on 23.12.2023.
2. Joint verification of PAFs is to be carried out by APGCL and Revenue Dept., KAAC

**Annual Report of the APDCL under Grant No. 62
During the FY 2024-25
Assam Power Distribution Co. Ltd.**

1) Strengthening of distribution network and infrastructure development:

Under the scheme, deficient areas in the distribution network have been taken up for execution of several projects such as renovation/upgradation of 33/11 kV Substation, 33 kV, 11 kV & LT lines, distribution substations to improve the overall safety of the distribution network of APDCL. The proposals pertaining to different electrical circles of three region of APDCL have been received at this end and thoroughly scrutinized based on the inherent priority to provide quality and reliable power supply to our valued consumers. As per report received from the field offices, the various activities and estimates have been categorized into different priority basis and the total amount projected as Rs.1615 Lakh.

With view to the above, it is worthwhile to mention that for uninterrupted power supply to our valued consumers, to provide quality and uninterrupted power supply to our high valued consumers (Industries and Commercial consumers), to avoid delay of power restoration, to reduce fault incidences in flood prone areas, in theft prone areas, snapping of conductors, , ageing conductors to reduce AT&C Losses and in densely populated areas to eliminate any chances of electrical hazards and eventualities especially during flood/storms is executed at different locations in the FY 2024-25 under SOPD, Grant No. 62.

2) Rooftop solar PV station on Govt. Building and off-grid solar plant at Primary Health Center (PHC) located in off grid remote villages:

The proposed Grid connected Rooftop solar power project will be installed in different Govt. Buildings in the State of Assam. The prime objective is to generate power through solar energy in urban and remote areas and reduce dependence on conventional power. Some key outcomes of the project are highlighted below-

- The project will contribute towards fulfillment of the country's ambitious target of setting up 100 GW (1 Lakh MW) capacity solar power projects by year 2022 under National Solar Mission of GOI. Out of which 40 GW is from Rooftop Solar.
- The project will help towards promotion of Green energy, reduction of carbon emissions, and bring down the carbon intensity
- Rooftop Solar (RTS) helps the building owner in cutting down his electricity bills
- Rooftop Solar doesn't require pooling of land or separate transmission facility, unlike ground mounted solar projects.
- RTS enables to meet Renewable Energy Purchase Obligation (RPO)
- Localized generation helps meet day time peaking power requirement of APDCL and avoids the need to buy expensive short term power.

In the FY 2023-24, Rs.368.19 Lakh was budgeted under Grant No. 62 and Administrative Approval yet to be issued.

3) Procurement, installation, augmentation and repair of distribution & power transformer along with lines, fittings and necessary civil works:

To provide 24X7 power supply by replacing all damaged transformers in time and also install new transformers as part of augmentation in order to meet the load growth and provide quality service to the consumers.

Currently, there are more than 88,000 nos. of 11/0.415 kV DTRs in entire APDCL distribution network. To provide 24X7 power, damaged transformers need to be replaced and to meet the load growth, new transformers with associated lines and fittings will be required. Procurement of DTRs shall facilitate replacement of damaged DTRs and meet up the need of the future loading/demand.

So, considering the urgent need of preventive, breakdown maintenance and to secure un-interrupted power supply to all consumers, the APDCL has proposed to procure distribution transformers, power transformers (different capacity) and to repair the damaged DTRs/PTRs located in different field offices to respond effectively in the event of any contingencies.

In this regard, it is worthwhile to mention that said scheme amounting to Rs.25008 Lakhs is approved in the Hon'ble Cabinet dtd: 26/10/2021.

In the FY 2023-24, out of Rs.3125 Lakh budgeted, Rs. 2000 Lakh is released for the said scheme under Grant No. 62. Out of total approved AA amount, 80% work completed.

- 4) **Electrification of some villages and household in certain villages of Dima Hasao District:** This scheme was proposed to electrify all un-electrified 10 habitants/villages under Dima Hasao District. In the FY 2023-24, Rs.963 Lakh is budgeted under Grant No. 62. 100% work completed and fund is yet to released.
- 5) **Electrification of Polling Station:** In the FY 2021, the Chief Secretary to the Govt. of Assam convened a meeting on 18.01.2021 with the Govt. officials regarding the preparedness for Assembly Election, 2021. It was informed in the meeting by CEO, Assam that 7544 Polling Station were without electricity. As directed and election priority APDCL completed the necessary connections of these 7544 Polling stations within the stipulated time i.e. within 31.01.2021 in consultation with the District Administration and in the anticipation that the necessary funds for incurred expenditure for physical infrastructure will be met by Education Dept.

Consequently, the requisition of the completed works amounting to Rs.1213.86 Lakhs furnished by all Electrical Circles, APDCL for payment of the same. The said matter was moved to Education Dept. Govt. of Assam for sanction and release of the same. It was initiated that, there was no budget allocation in the Education Dept. Govt. of Assam.

in the FY 2023-24, Rs.1126.79 lakh was budgeted for the said scheme under Grant No. 62 and Administrative Approval yet to be issued.

- 6) **State Share component of RDSS infrastructure work- loss reduction implemented:** Revamped Distribution Sector Scheme (RDSS) is a Govt. of India's scheme, launched with the objective of improving the quality and reliability of power supply to consumers through a financially sustainable and operationally efficient distribution sector. The scheme aims to reduce the AT&C losses to 12-15% and ACS-ARR gap to zero by 2024-25. The funding mechanism of RDSS Infrastructure Works- Loss Reduction, for Assam as a special category state, is as follows:

Project Cost : - Rs.257054.00 lakh

- 90% grant from Government of India - Rs.231348.00lakh
- 10% Utility/ State Contribution .Demand Amount: Rs. 25705.40 Lakhs

Rs. 4050 Lakh has been budgeted in the FY 2023-24 for the said scheme under Grant No. 62 and amount is yet to be released.

EXTERNALLY AIDED PROJECTS:

1. Assam Power Distribution System Enhancement & Loss Reduction Project (AIIB):

Massive infrastructure push with total project outlay of around USD- 482.20 million under Externally Aided Project (Asian Infrastructure Investment Bank (AIIB) funded) for creation of:

- 196 Nos. of New 33/11 kV Sub-station- (Capacity 1670 MVA)
- 2772 C Km New 33 kV Sub-transmission line
- 4725.5 C Km New 11 kV Distribution line
- High Voltage Dist. System (HVDS) at 1140 locations.

Work order has been issued and execution of works has been started.

In the FY 2023-24 31664 lakh was budget and released for the said scheme under Grant No. 62 and overall progress of 30% achieved till date.

- ##### **2. Implementation of 1000 MW Solar Power Plants across the State under Mukhya Mantri Souro Shakti Prokolpo :**
- Govt. of Assam has set up a target of 1000 MW Solar Power Plants at unused Govt. land/ available free land to make a contribution towards Hon'ble Prime Minister "Panchamrit" at COP26 Summit.

Rs. 450 Lakh was budgeted in the FY 2023-24 for the said scheme under Grant No. 62. Work order had been issued for the work of Boundary fencing, Jungle clearance & land marking.

BRIEF NOTES OF THE SCHEMES FOR THE FY-2024-25:

1. Online Transformer Conditioning Monitoring for critical 14 nos. of transformers along with renovation of underground cable trench

A comprehensive and interactive on-line transformer condition monitoring system integrates all relevant main components of the power transformer within only one system. The database and all algorithms are located on only one IED. Thereby a correlation of all data of the transformer or even of several transformers is possible.

Power companies are trying to gain maximum profit with minimum maintenance cost. This could be achieved by developing a condition-based monitoring product for the assessment of health of substation and service transformers. This study presents online condition monitoring system (OCMS) for transformers which is useful to replace reactive and preventive maintenance of transformers by analytical maintenance. Proposed OCMS is cost effective, online and accurate tool and it has several features like proposing corrective actions for the benefit of power utilities. Proposed system results are evaluated by comparing with the results obtained from utility model. OCMS applies only to transformers without abnormal faults such as detected by dissolved gas analysis.

Hence, for Online Transformer Conditioning Monitoring for critical 14 nos. of transformers along with renovation of underground cable trench is considered against budget provision amounting to **Rs. 950.00 Lakh** under Annual Plan 2024-25. The work will be executed by APGCL.

2. Technical Upgradation of KLHEP Plant with Digital Governor Control System, Excitation system, Protection Systems as per latest grid code for optimal and reliable plant operation.

The Karbi Langpi Hydro Electric Project is in the West Karbi Anglong District of Assam, about 125Km from the State capital Dispur, Guwahati. The Project generates 2X50 MW (i.e., 100 MW) of Electric Power by the use of concrete gravity dam with gated spillways on the river Borpani near Hatidubi and diverting the river flow through an intake structure and low pressure 4430 m long, 4.20 diameter horse-shoe shaped tunnel to the Powerhouse.

The 2x50MW units of KLHEP have been commissioned in the year of 2007 by M/S Fuji Electric, Japan and experts from Japan visit KLHEP once every year for major inspection till 2012.

Now, the existing control system, Governor & Excitation system has started experiencing multiple operation problems due to aging and non-availability of spare parts. Moreover, these systems are very old and most of the components are obsolete. Expert manpower for Fuji Electric equipment also not available in India due to which huge financial involvement has been incurred in the past years. Hence, for technical Upgradation of KLHEP Plant with Digital Governor Control System, Excitation system, Protection Systems as per latest grid code for optimal and reliable plant operation is considered against budget provision amounting to **Rs. 1000.00 Lakh** under Annual Plan 2024-25. The work will be executed by APGCL.

BRIEF NOTE OF AEGCL UNDER GRANT NO. 62

A. Budget Estimates for FY 2025-26 under SOPD-G Equity Share Capital to AEGCL amounting to Rs. 26500.00 Lakhs

i. State support to the ASEB Employees Pension Fund Investment Trust

As per Notification No.PEL.190/2004/69, dated 4 Feb. 2005, Government of Assam had made necessary commitment for extending Budgetary support to meet deficit towards past unfunded Terminal Benefit liabilities of ASEB and its successor companies in addition to other sources indicated in the said Notification.

Based on above, GoA is regularly providing Budgetary Support to ASEB Employees Pension Fund Investment Trust. ASEB Employees Pension Fund Investment Trust takes care of all the Terminal Benefit liabilities of retired employees (joined prior to 01.01.2004) of ASEB & its successor companies. During FY 2024-25, the GoA has made Budgetary Provision of Rs. 20000.00 Lakhs in the Regular Budget FY 2024-25.

For the FY 2025-26, the estimated Cash Outflow of Pension Trust is Rs. 86938.00 Lakhs. The Cash Inflow of Pension Trust during the matching period will be Rs.71924.00 Lakhs from Electricity Duty, Special BST & Interest Income. As such, there will be deficit of Rs.15014.00 Lakhs for FY 2025-26 and accordingly, it is proposed for Budgetary Estimate in the Annual Budget for FY 2025-26. This amount is required to make ongoing regular payment of Pension.

ii. Composite Schemes of Transmission and Distribution in NER (NERPSIP)

Power Grid Corporation of India Limited (PGCIL) is implementing the Central Sector Scheme, North Eastern Region Power System Improvement Project (NERPSIP), with funding pattern of 50:50 between World Bank and Govt. of India. As per the MOU signed between PGCIL and AEGCL (clause No. 3.3) "State Govt. (Govt. of Assam) shall reimburse all forms of state level taxes, duties and levies". As per PGCIL's reimbursement claim till 30.09.2024 (2nd quarter of FY 2024-25), a total amount of Rs. 6639.08467 Lakhs has been claimed for reimbursement of S-GST. And out of this, an amount of Rs. 4713.63 Lakhs has already been reimbursed to PGCIL. The calculation of the budget estimate 2025-26 is such:-

- a) This brings, the outstanding claim remaining to Rs.1925.45 Lakhs (Rs. 6639.08 Lakhs-Rs.4713.63 Lakhs).
- b) It is also important to state that out of the reimbursed amount to PGCIL (Rs. 4713.63 Lakhs), an amount of Rs. 451.33 Lakhs was utilised from AEGCL's internal source and the same has to be recouped to AEGCL from Govt. of Assam.
- c) Also, the tentative GST claim by PGCIL till 31.12.2024 (3rd quarter of FY 2024-25) has been stated by PGCIL to be around Rs. 759.00 Lakhs.

Now, the total receivable from Govt. of Assam, as on 25.01.2025 will be Rs. 3135.78 Lakhs (a+b+c). However, during the current FY 2024-25, the full budgeted amount of Rs. 2133.00 Lakhs has been released to AEGCL. Therefore, the total receivable from Govt. of Assam will come to Rs. 1002.78 Lakhs. Hence, this amount of Rs. 1002.78 Lakhs is proposed as budget estimate against the scheme.

iii. Augmentation of 2x100 MVA, 220/132 kV Rangia GSS by 2x200 MVA Auto-Transformer (Phase-I)

220/132 KV Rangia GSS caters load demand of several 132/33 KV GSS viz. Nalbari, Sipajhar, Kamalpur and Barnagar including Rangia. 220/132 KV Rangia GSS presently have two nos. of 100 MVA auto-transformer installed. During the peak load, both the transformers get loaded almost up to full capacity. Hence, to improve the power scenario in Lower Assam region and to enhance grid stability, it is necessary to augment the transformation capacity of Rangia GSS from 2X100 MVA to 2X200 MVA. This will not only improve the present power scenario but will also cope with the increased demand in the coming years.

The project was proposed under SOPD-G 2022-23 with a Phase-I Project Estimate of Rs. 2000.00 Lakhs. AA was received for an amount of Rs. 2000.00 Lakhs during 2022-23. Fund amounting to Rs. 229.00 Lakhs was released during 2023-24 and has been utilised till date. Ceiling proposal amounting to Rs. 1771.00 Lakhs (Budgeted amount under SOPD-G 2024-25) has been submitted to the GoA. Considering the same, remaining work order amount of Rs. 77.40 Lakhs (Proposal for Revised AA amounting to Rs. 2077.40 Lakhs to be submitted shortly) is required for the project under SOPD-G in FY 2025-26. The project is 90% complete and shall be 100% completed by Feb-March, 2025.

iv. Revival of 132 kV Srikona - Panchgram Line

132KV Panchgram-Srikona line is a vital transmission link for stability & reliability at Panchgram, Srikona & Pailapool GSS's, which cater to the major share of load demand of Barak Valley. Prolonged outage of this section of the line has resulted in loss of redundancy of transmission corridor linking these sub-stations as in the event of outage of 132KV S/C Badarpur (PGCIL) – Panchgram line & 132KV S/C Panchgram-Hailakandi line, there is every likelihood of power collapse at Panchgram (in the absence of 132KV Panchgram-Srikona link). Prolonged outage of 132KV Srikona-Panchgram line has resulted in the lowering of availability factor which has impacted AEGCL financially since the AERC's tariff offers either entails penalty charge or slash of incentive. So, for stability & reliability of power system in the entire Barak Valley region, revival of collapsed section of 132KV Srikona-Panchgram Line is urgently needed.

The project was proposed under SOPD-G 2022-23 with a Project Estimate of Rs. 306.00 Lakhs. AA was received for an amount of Rs. 306.00 Lakhs during 2022-23. Fund amounting to Rs. 30.60 Lakhs was released during 2022-23 and has been utilised till date. Ceiling proposal amounting to Rs. 270.00 Lakhs (Budgeted amount under SOPD-G 2024-25) has been submitted to the GoA. An amount of Rs. 100.58 Lakhs shall be required during FY 2024-25. Considering the same, remaining amount of Rs. 174.82 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is 45% complete and shall be 100% completed by 2025-26.

v. Stringing of 2nd Circuit of 132kV Nazira-Jorhat (Garmur) Line alongwith associated terminal equipment

The districts of Jorhat, Sibsagar and part of Golaghat is presently fed by 132 kV Nazira -Teok-Jorhat single circuit. Under normal load condition, power to 132 kV Garmur GSS, Panisokhuwa GSS & Bokakhat GSS flows from 132 kV Nazira GSS via 132 kV Nazira-Teok-Garmur S/c line and 132 kV Garmur-Mariani D/C line. The present load requirement in the above districts is 91 MW during peak load condition. There have been instances where 132 kV Nazira-Teok-Jorhat S/c line tripped in under frequency when the flow shoots up to 83MW. As such, cascade tripping might occur in other lines if loading is not restricted within the permissible limit. It has been observed that redundancy of 132 kV Nazira-Teok-Garmur line is greatly reduced in case of any preventive maintenance and breakdown maintenance of the 132 kV Garmur-Mariani D/C line during the peak hours.

Several instances of forced load shedding & occurrence of tripping has been recorded along this route. As such stringing of another circuit (second circuit) of 132KV Nazira-Teok-Jorhat is of utmost importance for redundancy & reliability of power flow under abnormal condition.

The project was proposed under SOPD-G 2022-23 with a Project Estimate of Rs. 1112.00 Lakhs. AA was received for an amount of Rs. 1112.00 Lakhs during 2022-23. However, as per retendering carried out and completed based on revised estimate amounting to Rs. 1904.00 Lakhs, proposal for issuance of revised AA amounting to Rs. 1904.00 Lakhs has been submitted to the GoA for necessary approval, after which contract shall be awarded to the L1 bidder. In this regard, an amount of Rs. 700.00 Lakhs is required for the project under SOPD-G in FY 2025-26. Remaining project amount of Rs. 1204.00 Lakhs shall be proposed in subsequent FY's. The project is expected to be 40% completed by March, 2026 and shall be 100% completed by FY 2027-28.

vi. Construction of 132kV Line Bay at 132kV APM GSS along with extension and strengthening of the bus system (Phase-I)

For the development of Assam and of Northeastern part of India, the Government of India has developed a shipping port at Jogighopa with state-of-the-art technology with high standards to ease the movement in waterways and transportation of materials in Bongaigaon District of Assam. Also, a logistic park is planned by the Government of India near the area. Notably, Jogighopa is the only power transmission grid substation near the area and caters to the power demand of the entire area. This substation will therefore provide the required quantum of power to the proposed shipping port and the logistic park. The Jogighopa substation (commonly referred to as 'APM' substation) is more than 40 years old and is in the need of major renovation and expansion. The extra high voltage (132/33kV) grid substation being in the proximity of the proposed facilities needs to be strengthened and augmented to meet up the power demand.

The project was proposed under SOPD-G 2023-24 with a Phase-I Project Estimate of Rs. 144.00 Lakhs. AA was received for an amount of Rs. 144.00 Lakhs during 2023-24. Fund amounting to Rs. 72.00 Lakhs was allocated under SOPD-G 2023-24 which was released and has been utilised. Ceiling proposal amounting to Rs. 54.00 Lakhs (Budgeted amount under SOPD-G 2024-25) shall be submitted to the GoA, shortly. Considering the same, remaining amount of Rs. 18.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is 65% complete and shall be 100% completed by March, 2025.

vii. Height raising/erection of two numbers of new towers due to low ground clearance between tower loc no. 29 & 30 of Samaguri-Mariani Circuit-1

The 220kV Samaguri-Mariani S/c Transmission Line under AEGCL was constructed in 1985 and is in dead condition now which shall be charged soon to meet the load demand of the Nagaon District. As per Indian Electricity rule 1956, the minimum horizontal and vertical clearance of a 220 KV transmission line should be 3.8 mtrs and 7.2 mtrs respectively. However, due to the construction and upgradation of roads by PWD, Assam at Khalihamari no-2, Amoni, the sag of the transmission line between tower base loc no. 29 and 30 has been found to be 3.8 mtrs (reduced by more than 2.3 mtrs), which is beyond the permissible limit and is very dangerous for human life and property. Now, as the line needs to be energised soon for the upcoming 220/33 KV Jakhalabandha GIS, which is under construction, the height raising/erection work is of urgent nature. Also to meet the load demand in the Jakhalabandha area and in the entire Nagaon District, the execution and completion of the project within the targeted time is necessary.

The project was proposed under SOPD-G 2024-25 with a Project Estimate of Rs. 83.00 Lakhs. AA was received for an amount of Rs. 83.00 Lakhs during 2024-25. Full AA amount of Rs. 83.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is expected to be 100% completed by Sep-Oct, 2025.

viii. State Support for Turnkey Construction of 2x50 MVA, 132/33kV GIS (Gas Insulated Substation) at Existing 220/132kV Amingaon GIS under NESIDS

The 2x50 MVA, 132/33 kV GIS Substation is constructed at the 220/132 kV Amingaon GIS site located in Pacharia, Kamrup (Rural) district of Assam. The GIS will bridge the projected shortfall of around 60 MW besides improving the quality of power while feeding the wide area encompassing Amingaon, Dadara, Sualkachi, Hajo, Changsari and North Guwahati. A 220/132 KV GIS substation (2x160 MVA) at Amingaon (Pacharia) has been constructed by AEGCL under NERPSIP Scheme funded by World Bank. However, 132/33 KV substation was not in the scope of the NERPSIP project and therefore was proposed was NESIDS, considering its urgency and importance.

Out of the total awarded project cost (after retendering) amounting to Rs. 3769.00 Lakhs, an amount of Rs. 3054.00 Lakhs is approved under NESIDS. The additional amount of Rs.715.00 Lakhs has been approved under SOPD-G 2024-25 of the State Budget in the form of State Support on 21.02.2025. Full AA amount amounting to Rs. 715.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is 45% complete and shall be 100% completed by Aug, 2025.

ix. SAS Upgradation at 220/132 KV Rangia GSS, AEGCL

The SAS along with Gateways at 220/132 KV Rangia GSS was commissioned in the year 2014. The existing SAS (Service Provider: ABB) at 220/132 KV level has been running with frequent errors and malfunction which leads to difficulty in control, monitoring and data reporting of the switchyard. There have been many instances of frequent breakout of complete SCADA system, alarm system out of order, discontinuities in record keeping system due to frequent breakout of links, and technical snag in metering PC. Also, the system has become vulnerable to cyber-attack since complete SCADA system is obsolete. As per the OEM, Upgradation of the OS for SAS Server with Gateway PC, System License Upgradation and Migration of Configuration for SAS System needs to be done for complete revival of the SAS and Gateways. The project is of urgent nature so as to solve the issue at the earliest for smooth and reliable operation of the concerned substation, also ensuring safety of the existing and newly supplied equipment.

The project was proposed under SOPD-G 2024-25 with a Project Estimate of Rs. 110.00 Lakhs. AA was received for an amount of Rs.110.00 Lakhs during 2024-25. Ceiling proposal amounting to Rs. 110.00 Lakhs (Budgeted amount under SOPD-G 2024-25) has been submitted to the GoA. An amount of Rs. 91.00 Lakhs shall be required during FY 2024-25. Considering the same, remaining amount of Rs. 18.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The SAS Upgradation works are 100% completed on January, 2025.

x. Procurement of one 160MVA Transformer at Salakati GSS

For the development of Assam and the North Eastern part of India, the Govt. of India has undertaken developmental projects in multiple fronts, viz. Electrification of the N.F. Railways, shipping port at Jogighopa, logistic park at Jogighopa, Mega Food Park at Nathkuchi, etc. AEGCL has already setup or have planned to setup Grid Substations in the vicinity of the project areas as mentioned to cater to the electricity demand. Power to all the GSS under Lower Assam Region encompassing the districts of Dhubri, Kokrajhar, Chirang, Bongaigaon, Goalpara, Barpeta, Nalbari and parts of Kamrup (R) is catered by the 220/132/33 KV Salakati

GSS at Salakati under Kokrajhar district. The GSS is directly connected to NTPC, Salakati through 220 KV double circuit transmission line and PGCIL, Salakati through 220 KV Double Circuit transmission line. The grid substation being the source of power transmission in the areas mentioned, strengthening and augmentation of the GSS to meet the rising power demand is vital.

The project was proposed under SOPD-G 2024-25 with a Project Estimate of Rs. 2310.00 Lakhs. AA has been received on 24.02.2025. In this regard, an amount of Rs. 400.00 Lakhs is required for the project under SOPD-G in FY 2025-26. Remaining project amount of Rs. 1910.00 Lakhs shall be proposed in subsequent FY's.

xi. Construction of 132 KV D+0 tower (01 No) on pile foundation in place of river eroded tower at loc. No. 136 of 132 KV Dibrugarh-Tinsukia near sesa river, Lahoal, Dibrugarh

The tower location is near the Sesa River, Lahoal, Dibrugarh and at present, the river stream is just 5.5 meters away from the tower. The erosion affected tower is therefore in vulnerable condition and there is every possibility of collapse due to further erosion in the future. Hence, protection of this tower is urgently required with new specified pile foundation, in place of river eroded tower, as per survey conducted. The line is of much importance from power transmission point of view in the entire Dibrugarh District. Therefore, the safety of the line and the tower is utmost important. Also, as the upcoming Chabua GSS is in LILO from this line, any interruption in this line will hamper in power supply.

The project was proposed under SOPD-G 2024-25 with a Project Estimate of Rs. 196.00 Lakhs. AA was received for an amount of Rs. 196.00 Lakhs during 2024-25. Full AA amount of Rs. 196.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is expected to be 100% completed by Sep-Oct, 2025.

xii. Construction of flood affected tower along with associated works of transmission line at loc 225 A of 132 KV Nalkata Gohpur line and loc 73 of Nalkata Dhemaji line

Tower Loc. 225 A of 132 KV Gohpur-Nalkata D/C Transmission Line is located at Dikhowmukhia Beel at Pohumara, North Lakhimpur, which is a marshy land and the said tower remains water logged during the whole year, due to which the tower legs will rust over time. Any untoward incident such as collapse of tower may cause interrupted power supply to Nalkata GSS, restoration of which may take days. And since the area is flood prone, the existing old tower needs to be urgently replaced by a new tower to provide adequate strength and protection. Tower Loc 73 of 132 kV Nalkata-Dhemaji transmission line is located just 4.5 metres from BhimparaBalijan river, which is situated near Podumani, Lakhimpur. The river is very turbulent, as it is originating from Arunachal Pradesh and there is change of river course frequently. During the year 2021, the strong currents of BhimparaBalijan river caused severe erosion and posed a serious threat to the tower. It is to be noted that the 132 kV Nalkata-Dhemaji line is the only source of power to entire Dhemaji District and parts of Lakhimpur District and Arunachal Pradesh as well. As such, any untoward incident such as collapse of tower may cause power blackout at the above-mentioned areas, restoration of which may take several days. As the nature of the river is unpredictable, the existing old tower needs to be urgently replaced by a new tower away from the river.

The project was proposed under SOPD-G 2024-25 with a Project Estimate of Rs. 198.00 Lakhs. AA was received for an amount of Rs. 198.00 Lakhs during 2024-25. Full AA amount of Rs. 198.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is expected to be 100% completed by Sep-Oct, 2025.

xiii. Augmentation of the existing 132 KV Bus (ACSR Zebra Conductor) by HTLS Drake Conductor at 132/33 KV Kahilipara GSS, AEGCL

132kV Kahilipara GSS is one of the most vital substations in AEGCL which caters power to almost 70% of the capital load of Assam and adjoining areas of Guwahati. Presently 132kV Kahilipara substation has transformation capacity of 2x40MVA+3x50MVA i.e., 230 MVA at 132/33kV voltage level. The 132kV Bus is interconnected with 132kVNarengi GSS, 132kV Capital GSS, 132kV GMCH GIS, 132kV AIIMS and hence the bus loading has reached to 200MW during the last summer. As the existing 132kV Bus system consist of ACSR Zebra conductor so it is extremely necessary to replace the existing conductor to higher capacity HTLS conductor to cater the demand for smooth evacuation of power to Guwahati and adjoining areas. Since 132kV Buses (ACSR Zebra conductor) at Kahilipara GSS are very old and in critical condition, augmentation of the existing 132kV Buses is urgently required to meet up the growing demand at Kahilipara GSS.

The project was proposed under SOPD-G 2024-25 with a Project Estimate of Rs. 963.00 Lakhs. AA was received for an amount of Rs. 963.00 Lakhs during 2024-25. Full AA amount of Rs. 963.00 Lakhs is required for the project under SOPD-G in FY 2025-26. The project is expected to be 100% completed by Sep-Oct, 2025.

xiv. Augmentation of 2x100 MVA, 220/132 KV Rangia GSS By 2x200 MVA Auto-Transformer (Phase-II)

220/132 KV Rangia GSS caters load demand of several 132/33 KV GSS viz. Nalbari, Sipajhar, Kamalpur and Barnagar including Rangia. 220/132 KV Rangia GSS presently have two nos. of 100 MVA auto-transformer installed. During the peak load, both the transformers get loaded almost up to full capacity. Hence, to improve the power scenario in Lower Assam region and to enhance grid stability, it is necessary to augment the transformation capacity of Rangia GSS from 2X100 MVA to 2X200 MVA. This will not only improve the present power scenario but will also cope with the increased demand in the coming years.

Execution of the project has been done in a phase wise manner. The Phase-I of the project was approved under SOPD-G 2022-23 with a Phase-I Project Estimate of Rs. 2000.00 Lakhs for supply and installation of 01 no. of 200 MVA Auto-Transformer, associated bay equipment and related civil works at site. The project is 90% complete and shall be 100% completed by Feb-March, 2025.

In this regard, the Phase-II of the project for supply and installation of another 01 no. of 200 MVA Auto-Transformer, associated equipment, related civil works at site, and required bus strengthening and augmentation works estimated at Rs.3600.00 Lakhs is proposed under SOPD-G 2025-26 with an amount of Rs.500.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 3100.00 Lakhs shall be proposed in subsequent FY's.

xv. Construction of 132kV Line Bay at 132kV APM GSS alongwith Extension and Strengthening of the Bus System (Phase-II)

For the development of Assam and of Northeastern part of India, the Government of India has developed a shipping port at Jogighopa with state-of-the-art technology with high standards to ease the movement in waterways and transportation of materials in Bongaigaon District of Assam. Also, a logistic park is planned by the Government of India near the area. Notably, Jogighopa is the only power transmission grid substation near the area and caters to the power demand of the entire area. This substation will therefore provide the required quantum of power to the proposed shipping port and the logistic park. The Jogighopa substation (commonly referred to as 'APM' substation) is more than 40 years old and is in the need of major renovation and expansion. The extra high voltage (132/33kV) grid substation being in the proximity of the proposed facilities needs to be strengthened and augmented to meet up the power demand.

Execution of the project has been done in a phase wise manner. The Phase-I of the project was approved under SOPD-G 2023-24 with a Phase-I Project Estimate of Rs. 144.00 Lakhs for works relating to only augmentation and strengthening of 132 kV Main Bus at APM GSS. The project is 65% complete and shall be 100% completed by Feb-March, 2025. In this regard, the Phase-II of the project for remaining works relating to bus extension, earth filling works, and construction of 132 KV bays estimated at Rs.1000.00 Lakhs is proposed under SOPD-G 2025-26 with an amount of Rs.125.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 875.00 Lakhs shall be proposed in subsequent FY's.

xvi. Destrining of Existing Panther Conductor and Stringing of HTLS Conductor of 132 kV Khandong-Haflong LILO at 132 kV Umrangso GSS along with associated works

M/s Dalmia Cement North East Limited has sought an additional load requirement of 21.75 MW at Umrangso from 132 KV Umrangso Substation of AEGCL. The power to Umrangso Substation is supplied through Khandong-Jiribam line by a LILO line. However, to meet the additional sanctioned load of 21.75 MW, the transmission line from Khandong to Jiribam including the LILO line to 132 KV Umrangso is required to be upgraded with HTLS conductor of 600 Amperes. The upgradation of Khandong- Jiribam line will be done by PGCIL, however, the LILO line to 132 KVUmrangshu is required to be upgraded with HTLS conductor by AEGCL for which amount of Rs. 358.00 Lakhs is required. The required estimate was sent to Dalmia Cement for deposit of fund; however, fund has not been received. Hence, the estimated project amount of Rs. 358.00 Lakhs has been proposed under SOPD-G 2025-26 with an amount of Rs.179.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 179.00 Lakhs shall be proposed in subsequent FY's.

xvii. Construction of a new 220 KV line bay at Sonapur GIS

M/s Star Cement has requested power to their new unit at Sonapur. In this regard, they requested power through a new 220kV line bay at Sonapur GIS. Considering the urgency as requested by SCNEL, the spare 220kV bay available with AEGCL for future utilisation was allotted to M/s SCNEL with a new bay to be funded by them as deposit scheme. The required estimate for construction of bay was sent to M/s Star Cement, however, fund has not been received. Hence, the estimated amount of the project amounting to Rs. 850.00 Lakhs has been proposed under SOPD-G 2025-26 with an amount of Rs.160.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 690.00 Lakhs shall be proposed in subsequent FY's.

xviii. Construction of 220 kV D/C Transmission Line from 220/132/33 kV Substation at Sonapur to 220 kV TATA Semiconductor plant at Jagiroad including bay construction and associated works

For the upcoming semiconductor plant at Jagiroad, TATA Semiconductor has proposed a final Power demand of 84.75 MW in a phase wise manner. The power requirement shall be met through a proposed 220 kV Transmission Line from 220/132/33 kV Substation at Sonapur to 220 kV TATA Semiconductor plant at Jagiroad. Hence, the estimated amount of the project for construction of line and associated bays amounting to Rs. 8500.00 Lakhs has been proposed under SOPD-G 2025-26 with an amount of Rs.3000.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 5500.00 Lakhs shall be proposed in subsequent FY's.

xix. Reconductoring of 132 kV Kahilipara-Narengi line (8 Km), 132 KVNarengi Sonapur line (30 Km), 132 KV CTPS Bagjhap line (39 Km) and Baghchap HPC Line (7 Km) using Panther Conductor

For feeding power to the upcoming semiconductor plant at Jagiroad, reconductoring of the existing 132 kV Kahilipara-Narengi line (8 Km), 132 KVNarengi Sonapur line (30 Km), 132 KV CTPS Bagjhap line (39 Km) and Baghchap HPC Line (7 Km) using Panther Conductor is required to be carried out on urgent basis. Hence, the estimated amount of the project amounting to Rs. 2500.00 Lakhs has been proposed under SOPD-G 2025-26 with an amount of Rs.500.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 2000.00 Lakhs shall be proposed in subsequent FY's.

xx. Reconducting of 220kV D/C Sonabil-Balipara line (Assam portion only) with HTLS Conductor

The 220kV D/C Sonabil-Balipara line is overloaded and one of the power source for NRL will be through this line. Therefore, there is urgency in capacity augmentation of the said line using HTLS Conductor. Moreover, ATC/TTC of Assam will also increase after capacity augmentation. Hence, the estimated amount of the project amounting to Rs. 700.00 Lakhs has been proposed under SOPD-G 2025-26 with an amount of Rs.350.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs. 350.00 Lakhs shall be proposed in subsequent FY's.

xxi. Height Raising /Shifting of 132KV D/C Gauripur-Bilashipara Transmission line & 132KV S/C Gossaigaon-Gauripur Transmission Line

The towers at Loc 17 & 18 of 132KV Gauripur-Bilashipara S/C Transmission line and at Loc-188 of 132KVGossaigaon-Gauripur S/C Transmission line are in a vulnerable condition due to their proximity to the river bank and there is imminent threat of the towers being washed out in the flood wave owing to high river current. Considering the urgency of the matter, a survey was conducted by engaging an experienced surveyor. As per the survey report, new tower with pile foundation in place of the existing tower has been proposed for the aforementioned 3 (three) nos. of tower location. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.200.00 Lakhs. An amount of Rs. 50.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 150.00 Lakhs shall be proposed in subsequent FY's.

xxii. Procurement and Installation of 03 Nos. of 50 MVA Transformers at Srikona, Pailapool and Karimganj GSS, AEGCL

There is an urgent need for augmenting the existing transformer capacity at 132kV Srikona GSS, 132 kVPailapool GSS and 132 kVKarimganj GSS to meet the load demand in the coming years. The new project estimated at Rs.4500.00 Lakhs is proposed under SOPD-G 2025-26 with required amount of Rs.500.00 Lakhs under SOPD-G 2025-26. Remaining project amount of Rs. 4000.00 Lakhs shall be proposed in subsequent FY's.

xxiii. Height raising at various locations of transmission lines in Upper Assam Region of AEGCL

Many transmission lines of Upper Assam Region of AEGCL are affected by low ground clearance issues at different locations. The issue of low ground clearance is due to PWD road crossing, earth filling etc. below the lines.

The low ground clearance may cause accidents in the future and pose a significant threat to the safety of any person in the vicinity of the affected locations of the transmission line. Based on the survey carried out, estimate for height raising amounts to Rs. 1950.00 Lakhs for 132 kV Dibrugarh - Tinsukia line, 132 kV LTPS – NTPS D/C line, 132 kV Mariani – LTPS line, 132 kV Mariani - Golaghat line, 132 kV Golaghat Sarupathar line and 132 kV Bokajan Dimapur S/C line including cost of OPGW. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.1950.00 Lakhs. An amount of Rs.300.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 1650.00 Lakhs shall be proposed in subsequent FY's.

xxiv. Procurement and Installation of 02 Nos of 200 MVA 220/132 kV Transformer at 220KV Sonapur GIS

The load demand at 220KV Sonapur GIS will increase due to increasing industrial load demand and the upcoming TATA semiconductor plant at Jagiroad. Therefore, the existing transformation capacity needs to be upgraded on urgent basis. The new project estimated at Rs.6000 Lakhs is proposed under SOPD-G 2025-26 with an amount of Rs.400.00 Lakhs required under SOPD-G 2025-26. Remaining project amount of Rs.5600.00 Lakhs shall be proposed in subsequent FY's.

xxv. Upgradation of the existing SAS at 132KVBilasipara, Kokrajhar, Matia, Jawaharnagar and Sipajhar GSS

The existing SAS at 132KVBilasipara, Kokrajhar, Matia, Jawaharnagar and Sipajhar GSS is outdated and needs to be upgraded at the earliest to prevent any malfunction or disruption of substation operation. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.550.00. An amount of Rs. 275.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 275.00 Lakhs shall be proposed in subsequent FY's.

xxvi. Upgradation of the existing 132KV Bus with HTLS Conductor at 132KV Agia GSS

The existing 132KV Bus at 220KV Agia GSS needs to be augmented to meet the increasing load demand. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.400.00 Lakhs. An amount of Rs. 200.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 200.00 Lakhs shall be proposed in subsequent FY's.

xxvii. Procurement of spare terminal equipment like Circuit Breaker, Current Transformer, Lightening arrestor etc. for GSS under Lower Assam Region AEGCL

There is acute scarcity of spare terminal equipment at GSS under Lower Assam Region of AEGCL. This spare equipment is urgently required for the upcoming summer season to reduce the shutdown time due to malfunction of equipment due to high load demand. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.500.00 Lakhs. An amount of Rs. 200.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs.300.00 Lakhs shall be proposed in subsequent FY's.

xxviii. Construction of new tower with pile foundation (40m pile) against erosion of tower footing at Loc 15 & 16 of 220KV Sonapur LILO D/C TL

The existing towers at Loc 15 & 16 of 220KV Sonapur LILO D/C TL faces imminent threat of being washed out due to close proximity to the river basin of Kopili river and tower leg erosion by high river current during flood. The LILO line is the source of power to the 220KV Sonapur GIS and any unfortunate incident of tower collapse will lead to severe power crisis in areas around Jagiroad and Sonapur. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.400.00. An amount of Rs. 100.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 300.00 Lakhs shall be proposed in subsequent FY's.

xxix. Construction of new tower with pile foundation against erosion of tower footing at Loc 160 of 132KV Dhaligaon Gossaigaon TL

The tower at Loc-160 of 132KV Dhaligaon-Gossaigaon line faces imminent threat of being washed out and temporary protection measures have been provided to protect the tower. Therefore, as a permanent solution, construction of new tower with pile foundation is to be carried out on urgent basis. The project is proposed under SOPD-G 2025-26 with an estimated amount of Rs.100.00 Lakhs. An amount of Rs. 50.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 50.00 Lakhs shall be proposed in subsequent FY's.

xxx. Procurement and Installation of transmission line surge arrester (TLSA) for 132KV Dhaligaon-Gossaigaon and 132KV Dhaligaon-BTPS Transmission line

The area around Dhaligaon region is lightning prone and frequent tripping of transmission lines due to lightening has been observed during monsoon season. As such, TLSA needs to be installed to stop unwanted tripping of transmission lines during monsoon season due to lightning. The work is of urgent nature and therefore is proposed under SOPD-G 2025-26 with an estimated amount of Rs.200.00 Lakhs. An amount of Rs. 50.00 Lakhs shall be required under SOPD-G 2025-26. Remaining project amount of Rs. 150.00 Lakhs shall be proposed in subsequent FY's.

B. Budget Estimates for FY 2025-26 under EAP (Central Share) amounting to Rs. 120593.61 Lakhs and EAP (State Share) amounting to Rs. 45062.00 Lakhs

Scope of the project (Phase-I and Phase-II):

- 1. Construction of 24 new Substation of voltage levels 400/220kV, 220/132/33kV, 220/132kV, 132/33kV along with its associate transmission lines (1113CkM).**
- 2. Transformer Capacity Augmentation (14 nos. substation with capacity enhancement of 1570 MVA)**
- 3. Conversion of one no. Air Insulated Substation (AIS) to Gas Insulated Substation (GIS) - Gohpur Substation**
- 4. Installation of OPGW (Optical Ground Wire) - 636 KM**
- 5. Transmission Line Capacity Augmentation (HTLS) – (186+9.37) CkM.**
- 6. Implementation of ERP at AEGCL along with DC/DR service.**

Present Status:

PHASE-I:

1. Contract award for all the 17 (Seventeen) packages comprising of 10 new substations along with associated lines and the other components mentioned in sl. nos. 2,3,4,5 and 6 has been completed and contract has been awarded to all the successful bidders including Project Management Consultancy Service.
2. Construction of 10 nos. of GSS and associated transmission lines are ongoing, augmentation of 23 (Twenty-Three) nos. of 50 MVA power transformers and 01 (one) no. of 160 MVA auto transformer has been completed with a total capacity enhancement of 1310 MVA, OPGW stringing of 575 km has been completed and HTLS stringing of 186 ckm has been completed till date.

PHASE-II:

1. Land finalised for construction of 10 (Ten) nos. of substations under Phase-II while land identification and finalization of the remaining 04 (Four) no. of substations are in advance stages. Above 70% of land acquisition is completed and hence one of the criteria for loan signing set by DEA, Govt of India is completed.
2. For another criteria of DEA, Govt of India i.e. 30% of the contract to be ready for awarded before loan negotiation, Tender has been floated for construction of 07 (seven) nos. of substations along with associated lines under 4 nos. packages. Out of which, in one tender, i.e. Pkg.- C, there is no participation of bidder and retendering is in process. For the other 3 tenders, evaluation of financial bid is ongoing. For the balance packages, tender preparation work is going on.

3. Consultant for environmental and social screening of components of Phase-II has been appointed and the Environmental and Social screening report for Phase-II as per the requirement of AIIB is completed and approved.
4. For appointment of Project Management Consultant (PMC), short listing of PMC consultant is completed. RFP to the shortlisted consultant is floated. Loan negotiation process with Govt of India and AIIB will be done after appointment of PMC.

a) Central Share:

- This is noteworthy that the Department of Economic Affairs, DEA has discontinued the Direct Disbursement Procedure for Externally Aided Projects (EAP) (where contractors were paid directly from the Bank on receiving of the verified claims from the implementing Agency) vide notification no.1/11/2017-ADB-1 Dated 29th September 2017 and instructed to follow Reimbursement Procedure for disbursement.
- Contracts of 17 (Seventeen) nos. of packages of Phase-I are currently in implementation stages. In the FY 2025-26 it is anticipated that supply of the high value items like GIS, Transformers, Tower Structures, Conductors, XLPE cable etc. for which as per loan agreement 82% of the expenditure have to be met from Central Share which will be reimbursed by AIIB. The expenditure of **Rs.116044.30 Lakhs** is being estimated for FY 2025-26. Similarly, tenders for 03 (Three) packages comprising of seven numbers of substations along with associated transmission lines under Phase-II have been floated which are to be effective in the current financial year. Hence, liability of **Rs.4549.31 Lakhs** has been created against 10% mobilization advance to be paid for the three tender packages.
- Hence, a budget proposal of total **Rs. 120593.60 Lakhs** is placed against the Central Share of AIIB funded EAP for FY 2025-26.

b) State Share:

- This is noteworthy that the Department of Economic Affairs, DEA has discontinued the Direct Disbursement Procedure for Externally Aided Projects (EAP) (where contractors were paid directly from the Bank on receiving of the verified claims from the implementing Agency) vide notification no.1/11/2017-ADB-1 Dated 29th September 2017 and instructed to follow Reimbursement Procedure for disbursement.
 - Moreover, as per the standard tender clause of AIIB funded project, 10% of the contract value as mobilization advance is required to be paid to the contractor in order to make the contract effective and subsequently to ensure commencement of work.
 - In Phase-I, Contract award for all the 17 (Seventeen) packages has been completed and contract has been awarded to all the successful bidders. In addition, contract has been recently awarded for PKG-G (400 kV Rangia GIS) and Package H(R) (400 kV Sonapur GIS) and the contracts are effective now on payment of mobilization advance.
- In the FY 2025-26 it is anticipated that supply of the high value items like GIS, Transformers, Tower Structures, Conductors, XLPE cable etc. for which as per loan agreement 18% expenditure have to be borne from State Share. Hence, a liability of **Rs.43343.35 Lakhs** has been created.
- Moreover, tenders for 03 (Three) packages comprising of seven numbers of substations along with associated transmission lines under Phase-II have been floated which are to be effective in the current financial year. Hence, liability of **Rs.1718.68 Lakhs** has been created against meeting 18% expenditure against State Share for payment of 10% mobilization advance for these seven packages.
 - Hence, a budget proposal of **Rs. 45062.03 Lakhs** is placed against the State Share of AIIB funded EAP for FY 2025-26.

**Annual Report of the APDCL under Grant No. 62
During the FY 2024-25
Assam Power Distribution Co. Ltd.**

1) Strengthening of distribution network and infrastructure development:

Under the scheme, deficient areas in the distribution network have been taken up for execution of several projects such as renovation/upgradation of 33/11 kV Substation, 33 kV, 11 kV & LT lines, distribution substations to improve the overall safety of the distribution network of APDCL. The proposals pertaining to different electrical circles of three region of APDCL have been received at this end and thoroughly scrutinized based on the inherent priority to provide quality and reliable power supply to our valued consumers. As per report received from the field offices, the various activities and estimates have been categorized into different priority basis and the total amount projected as Rs. 1615 Lakh.

With view to the above, it is worthwhile to mention that for uninterrupted power supply to our valued consumers, to provide quality and uninterrupted power supply to our high valued consumers (Industries and Commercial consumers), to avoid delay of power restoration, to reduce fault incidences in flood prone areas, in theft prone areas, snapping of conductors, , ageing conductors to reduce AT&C Losses and in densely populated areas to eliminate any chances of electrical hazards and eventualities especially during flood/storms is executed at different locations in the FY 2024-25 under SOPD, Grant No. 62.

2) Rooftop solar PV station on Govt. Building and off-grid solar plant at Primary Health Center (PHC) located in off grid remote villages:

The proposed Grid connected Rooftop solar power project will be installed in different Govt. Buildings in the State of Assam. The prime objective is to generate power through solar energy in urban and remote areas and reduce dependence on conventional power. Some key outcomes of the project are highlighted below-

- The project will contribute towards fulfillment of the country's ambitious target of setting up 100 GW (1 Lakh MW) capacity solar power projects by year 2022 under National Solar Mission of GOI. Out of which 40 GW is from Rooftop Solar.
- The project will help towards promotion of Green energy, reduction of carbon emissions, and bring down the carbon intensity
- Rooftop Solar(RTS) helps the building owner in cutting down his electricity bills
- Rooftop Solar doesn't require pooling of land or separate transmission facility, unlike ground mounted solar projects.
- RTS enables to meet Renewable Energy Purchase Obligation (RPO)
- Localized generation helps meet day time peaking power requirement of APDCL and avoids the need to buy expensive short term power.

In the FY 2023-24, Rs.368.19 Lakh was budgeted under Grant No. 62 and Administrative Approval yet to be issued.

2) Procurement, installation, augmentation and repair of distribution & power transformer along with lines, fittings and necessary civil works: To provide 24X7 power supply by replacing all damaged transformers in time and also install new transformers as part of augmentation in order to meet the load growth and provide quality service to the consumers.

Currently, there are more than 88,000 nos. of 11/0.415 kV DTRs in entire APDCL distribution network. To provide 24X7 power, damaged transformers need to be replaced and to meet the load growth, new transformers with associated lines and fittings will be required. Procurement of DTRs shall facilitate replacement of damaged DTRs and meet up the need of the future loading/demand.

So, considering the urgent need of preventive, breakdown maintenance and to secure uninterrupted power supply to all consumers, the APDCL has proposed to procure distribution transformers, power transformers (different capacity) and to repair the damaged DTRs/PTRs located in different field offices to respond effectively in the event of any contingencies.

In this regard, it is worthwhile to mention that said scheme amounting to Rs.25008 Lakhs is approved in the Hon'ble Cabinet dtd: 26/10/2021.

In the FY 2023-24, out of Rs.3125 Lakh budgeted, Rs. 2000 Lakh is released for the said scheme under Grant No. 62. Out of total approved AA amount, 80% work completed.

- 3) Electrification of some villages and household in certain villages of Dima Hasao District:** This scheme was proposed to electrify all un-electrified 10 habitants/villages under Dima Hasao District.

In the FY 2023-24, Rs.963 Lakh is budgeted under Grant No. 62. 100% work completed and fund is yet to released.

- 4) Electrification of Polling Station:** In the FY 2021, the Chief Secretary to the Govt. of Assam convened a meeting on 18.01.2021 with the Govt. officials regarding the preparedness for Assembly Election, 2021. It was informed in the meeting by CEO, Assam that 7544 Polling Station were without electricity. As directed and election priority APDCL completed the necessary connections of these 7544 Polling stations within the stipulated time i.e. within 31.01.2021 in consultation with the District Administration and in the anticipation that the necessary funds for incurred expenditure for physical infrastructure will be met by Education Dept.

Consequently, the requisition of the completed works amounting to Rs.1213.86 Lakhs furnished by all Electrical Circles, APDCL for payment of the same. The said matter was moved to Education Dept. Govt. of Assam for sanction and release of the same. It was initiated that, there was no budget allocation in the Education Dept. Govt. of Assam.

in the FY 2023-24, Rs.1126.79 lakh was budgeted for the said scheme under Grant No. 62 and Administrative Approval yet to be issued.

- 5) State Share component of RDSS infrastructure work- loss reduction implemented:** Revamped Distribution Sector Scheme (RDSS) is a Govt. of India's scheme, launched with the objective of improving the quality and reliability of power supply to consumers through a financially sustainable and operationally efficient distribution sector. The scheme aims to reduce the AT&C losses to 12-15% and ACS-ARR gap to zero by 2024-25. The funding mechanism of RDSS Infrastructure Works– Loss Reduction, for Assam as a special category state, is as follows:

Project Cost : - Rs.257054.00 lakh

- 90% grant from Government of India - Rs.231348.00lakh
- 10% Utility/ State Contribution .Demand Amount: Rs. 25705.40 Lakhs

Rs. 4050 Lakh has been budgeted in the FY 2023-24 for the said scheme under Grant No. 62 and amount is yet to be released.

EXTERNALLY AIDED PROJECTS:

3. Assam Power Distribution System Enhancement & Loss Reduction Project (AIIB):

Massive infrastructure push with total project outlay of around USD- 482.20 million under Externally Aided Project (Asian Infrastructure Investment Bank (AIIB) funded) for creation of:

- 196 Nos. of New 33/11 kV Sub-station- (Capacity 1670 MVA)
- 2772 C Km New 33 kV Sub-transmission line
- 4725.5 C Km New 11 kV Distribution line
- High Voltage Dist. System (HVDS) at 1140 locations.

Work order has been issued and execution of works has been started.

In the FY 2023-24 31664 lakh was budget and released for the said scheme under Grant No. 62 and overall progress of 30% achieved till date.

4. **Implementation of 1000 MW Solar Power Plants across the State under Mukhya Mantri Souro Shakti Prokolpo :** Govt. of Assam has set up a target of 1000 MW Solar Power Plants at unused Govt. land/ available free land to make a contribution towards Hon'ble Prime Minister "Panchamrit" at COP26 Summit.

**Action Taken on Observation and Recommendation made by DRSC in its Report No. Twenty Sixth
(Grant No.62) of 2024-25**

1. Observation and Recommendation:

As per the earlier recommendation of the Committee, the Department has informed that for the construction of towers at Dalguma-Chaysimana char area and Ujirchar-Dekdhuwa char area, two numbers of tenders were floated, but due to insufficient numbers of bidders, the tenders had to be cancelled and furthering re-tendering is in process now.

Hence, the Committee directed the Department to pursue the tender process as soon as possible so that the people of those areas do not have to suffer for long.

Action taken:

As per the recommendation and the works of construction of towers at Dalguma- Chaysimana char area and Ujirachar-Dekhdhuwa char area are vital, also as per recommendation of the committee, new tenders were floated. Techno-commercial evaluation process underway. Work order to be issued within 45 days.

2. Observation and Recommendation:

The committee reiterates its earlier recommendation that the Department should give importance in producing solar power or green power and directed the Department to request the DCs of every districts and the Principal Secretaries of the Sixth Schedule areas for allotment of land for big Solar plants.

Action taken:

APDCL is emphasizing on the enhancement of production of green energy in the State. In this regard, APDCL has already signed MOUs for formation of Joint Venture with SGEL (SJVN Green Energy Limited) and NLC India Limited (NLCIL) for development of 1000 MW Renewable Energy Projects in the State. The Joint venture Company of SGEL and APDCL has been formed. The Joint venture agreement of NLCIL and APDCL has been signed and JVC formation is in process.

Apart from these, a 1000 MW Solar Power Project is going to be developed at Karbi Anglong district of Assam under “Mukhyo Mantri Sauro Shakti Prokolpo” by APDCL with funding from ADB and the State Govt. The tendering process is already over for 250 MW capacity under the project and the Letter of Award (LOA) has been approved by the Cabinet for award of the work. Further, construction works of 70 MW and 50 MW solar projects at Bilasipara, Dhubri and Borsola, Sonitpur respectively are in progress. Another 200 MW aggregate capacity across the State of Assam will be developed in the same model shortly after finalization of land. As a first in this region of the country, APDCL is also going to develop Battery Energy Storage System through Joint Venture with ONGC Tripura Power Company Ltd. (OTPC). In the first phase of this, a 25 MW Battery Energy Storage System will be developed at 400 KV Kukurmara, Mirza Grid Sub Station.

The DCs of every districts and the Principal Secretaries of the Sixth Schedule areas were intimated for allotment of land for development of Utility scale (MW scale) solar projects in the State. Apart from the 18,000 Bighas of land allotted at Lahorijan, Karbi Anglong by KAAC where APDCL is developing the 1000 MW Solar Power Plant with funding from Asian Development Bank and the State Government, the KAAC has also allotted a total of 14,100 bighas of land in Makoiram. In addition to this, 260 bighas of land has been allotted at Batadrava Mouza, Dhing, Nagaon for development of Solar project. Moreover, APDCL is still pursuing for allotment of more such barren Govt. lands in the State for development of solar plants

Further, APGCL had also requested DC's of every districts and Principal Secretary of BTR for allotment of land for setting up of Solar Renewable Project. However, no response obtained.

3. **Observation and Recommendation:**

The Committee reiterates its earlier recommendation regarding no electrification in Saralpara Bongaon and Ultapani Bongaon in the Indo-Bhutan Border situated in Kokrajhar East LAC. As these are forest villages, in this context, the Department has informed that they have already moved for NoC from Forest Department.

The Committee, therefore, recommends that the matter should be taken up seriously and expedite the NoC process in consultation with the Forest Department.

Action taken:

The villages Saralpara Bongaon and Ultapani Bongaon are forest villages. On recommendation, the field officials of APDCL surveyed the villages along with forest department and representative of Hon'ble MLA, 30th No. Kokrajhar LAC on dated 20/09/2024 for the purpose of obtaining necessary permission for electrification from Forest dept. The DFO, Haltugaon Division, Kokrajhar suggested to apply through PARIVESH portal (2.0) and to submit DGPS survey report for accuracy of land area required and more information. Accordingly, it was applied through portal and contacted with Assam Electronics Development Centre (AMTRON) for DGPS survey.

Further, electrification in left out households is included in the RDSS proposal and tender has already been floated.

4. **Observation and Recommendation:**

The Committee observes that power scenario at Ukium, Chaygaon has improved after feeder bifurcation. The Committee also observes that there is scope for improvement of the areas of Lampi and Hahim which have tourist attraction. Therefore, the committee recommends that the Department should write to the concerned DCs for allotment of land for setting up of one more new sub-station at Amergkona, near Assam Meghalaya Border.

Action taken:

As per recommendation a letter addressing to Deputy Commissioner, Kamrup (R), Amingaon requesting for allotment of new land for 33/11 kV Substation in the Amergkona area but till date no allotment of land is done.

Further, AEGCL has undertaken a project at Jambari (AIIDC), Chaygaon to construct one no. of 220/132 kV 2X100 MVA GIS Substation under AIIB funded project: "Enhancement of Intra-State Transmission System of Assam" (Assam Intra-State Transmission System Enhancement Project). The project is under progress and is expected to be completed by 01.02.2026. The GIS Substation will have 06 (six) nos. of 33 kV bays to evacuate power to APDCL DSS thereby benefiting end users in the adjacent areas.

5. **Observation and Recommendation:**

The Committee observes that as per earlier recommendation of the Committee, the APDCL/AEGCL requested the concerned Deputy Commissioners for allotment of land at Palasbari, Chaygaon and Bijni for construction of solar plant but got no response from their side.

Hence, the Committee suggested the Department to write again to the DCs along with copies of the letters to the concerned MLAs of the constituency for allotment of land for setting up of solar plant.

Action Taken:

As per recommendation of the Committee, APGCL has again requested the DCs of Kamrup and Chirring Districts along with copies of the letters to the concerned MLAs of the constituency for allotment of land for setting up of solar plant. However, no reply has been received till date.

6. **Observation and Recommendation:**

The Committee recommends that one new substation should be setup at Gouripur, Dhubri.

Action taken:

33/11 kV 2x5 MVA Substation is commissioned at Gauripur, Dhubri under AIIB on 17.12.2024

7. Observation and Recommendation:

The committee observes that due to open wires, in many places, several mishappenings have occurred with animals especially with elephants. Therefore, the Committee recommends that all the wires should be insulated throughout the state as soon as possible.

Action taken:

Wildlife corridor has already been proposed under RDSS 2nd Phase using covered conductor. DPR of the proposals have been submitted to REC for approval. DPR of the same is under evaluation with REC Ltd. Also, under SOPD, the left out wildlife areas were proposed. In future, if any wildlife areas/corridor come into existence, the work will be taken instantaneously.

Conversion of bare conductors to covered conductors for both HT and LT lines are going on in phase manners in various schemes like RDSS, AIIB and from APDCL own fund at those areas especially where wild Elephant, Hollock Gibbon etc. movements are seen.

8. Observation and Recommendation:

The Committee also observes during the spot visit that some of the electric poles set up in Dibrugarh were not RCC at the ground level. Therefore, the Committee recommends that Department should look into this matter seriously throughout the state.

Action taken:

As per the observation of the committee the following points may be seen:

- 1) The poles erected under the RDSS and AIIB schemes within the Dibrugarh circle are with proper grouting and PCC works as per the specifications in the BOQ.
- 2) The HT pole stay sets are properly grouted with base plate and PCC works are mandatory as per the specifications in the BOQ.

Moreover, each and every pole is physically verified for the PCC works and if found to be contradictory the same is again rectified as per the specifications.

9. Observation and Recommendation:

The Department observes that in Tezpur Constituency, the wires are connected in lower height in most of the electric poles which bring life threats for the people. The Committee therefore, recommends that the matter should be looked into seriously.

Action taken:

As per recommendation, regarding the wires (conductor) in lower height in most of electrical poles under Tezpur LAC. It is to be noted that the 11 KV line of Airfield feeder is relocated from lower level to higher level to avoid unwanted coincidence and the work had already been completed. As per the consumer complaint and needs of Electrical Sub Divisions under Tezpur LAC, safety purpose works have been done in different areas like Paruacharali, Dhanuanagar, Shahid Bakori and near Darrang College, Goroimari, Borjhargaon Haleswar Pather, BP Tiniali, Na Ali, Na-Pam under Tezpur ESD-I and Tezpur ESD-II. Erection of steel poles and PSC Poles to heighten the lines have also been done to avoid accident at Paruacharali, Dhanuanagar, Shahid Bakori and Majgaon etc. Moreover, using the own funds of APDCL, Tezpur Division for erection of steel poles & PSC poles, MVCC cable at highly vegetation and public gathering areas at different places like Chowk-Bazaar, Chandmari, Fahajghat, Mission Chariali, Ketekibari, Polo-field etc. Further more Security fencing of DTR works have been completed around 160 nos. at different places near school, college, Bazar areas with the involvement of around 30 Lacs and also bare LT conductors have been converted to Aerial Bunched cable under Tezpur ESD-I and Tezpur ESD-II.

10. Observation and Recommendation:

The Committee recommends that the LT lines should be extended and new transformer should be installed at different villages in Katigorah Constituency, as per need.

Action taken:

As per recommendation, the following works were completed in Katigorah Constituency:

- a) LT RDSS 1" Phase (Conversion of LT bare conductor to 1-ph & 3-ph LT AB Cable):

Work completed:

48 ckt-km of 1-ph AB cable

7 ckt-km of 3-ph AB cable.

- b) HT RDSS 1st phase (Installation of new DTR's for solving low voltage):

Work completed:

1 no. of 250 KVA DTR

6 nos. of 100 KVA DTR

8 nos. of 63 KVA DTR

1 no. of 25 KVA DTR

- c) HVDS-AIIB 1 Phase (Installation of new DTR's for solving low voltage):

Work completed:

3 nos. of 100 KVA DTR

1 no. of 63 KVA DTR.

- d) DTR Augmentation:

Work completed:

11 nos. of 16 KVA DTR augmented to 25 KVA DTR,

1 no of 16 KVA DTR augmented to 63 KVA DTR,

7 nos. of 25 KVA DTR augmented to 63 KVA DTR,

9 nos. of 63 KVA DTR augmented to 100 KVA DTR

1 no of 100 KVA DTR augmented to 250KVA DTR.

Therefore, total capacity augmentation of 29 existing DTR done over the last year based ever increasing load demand.

11. Observation and Recommendation:

The Committee also recommends that one new substation should be installed at Cachar in Katigorah LAC

Action taken:

Construction of new Distribution Substation under Kalain ESD, Katigorah LAC of Cachar district has already been commissioned at Rajpur (2 x 5 MVA) under AIIB Scheme by M/S Shree Gopikrishna Infrastructure Pvt. Ltd. and hence, 10 MVA capacity is added.

Further, there is an existing 132/33 kV Panchgram Grid Substation of AEGCL in the vicinity of the location at only a distance of approx. 4-5 kms from Katigorah.

12. Observation and Recommendation

The Committee Observes that many electric poles are insulated in middle of the roads and many accidents took place because of this. Therefore, the Committee recommends that the department should take up the matter with PWD(R) Department for an amicable settlement.

Action taken:

Pole Shifting works at various places under APDCL is under progress by means of utility shifting due to widening of roads under NHAI and PWD(R) Departments.

Moreover, instruction has been issued to the concerned field officials under APDCL for shifting of the poles at the middle of roads, if any, in consultation with concerned PWD(R) Departments to avoid any untoward incidents.

13. Observation and Recommendation

The Committee recommends to shift the Transformer placed near Manasha Mandir, Sagalpara, Lokhra (in front of the land of Mrs. Bhattacharjya and Mr. Rangsal) to other nearby place in the Sagalpara, Lokra area of Guwahati.

Action taken:

A survey was conducted in respect to the issue of shifting of the transformer placed near Manasha Mandir Sagalpara, Lokra in front of the land of Mrs. Bhattacharjya and Mr. Rangsal to nearby place. In the field inspection, APDCL officials was informed by local people that the current position of Distribution Transformer was identified by the local people of that locality which is a Govt. land. Due to lack of availability of the sufficient area the shifting of the DTR is pending. The APDCL field officials examining the feasible area for shifting of DTR.

14. Observation and Recommendation

The Committee observes that Lumding LAC is facing shortage of power supply. Therefore, to alleviate such condition of power supply, the Committee recommends for installation of 132/33 KV Power Sub-Station to overcome the hardship. In this connection land has already been allotted and survey has also been conducted.

Action taken:

As mentioned, for construction of one no. of 132/33 kV 2X50 MVA GSS at Lumding, preliminary works like route survey, soil investigation, master plan, etc. were completed and tender for construction of the said GSS was floated on 12.03.2024. However, due to non-participation of any bidder, the tender had to be cancelled. Retendering will be done on finalization of revised estimate and examination of specification.

Grant No.62
POWER (ELE.) DEPARTMENT
OBSERVATION AND RECOMMENDATIONS

1. The Committee recommends that one new sub-station should be installed at Lala Sub-Division under Katigorah LAC.
2. The Committee observes that Katigorah LAC is facing shortage of Power supply, Therefore, to alleviate such condition of power supply, the Committee recommends that all 16 KV & 25 KV transformer should be up-graded.
3. The Committee reiterates its earlier recommendation that Lumding LAC is facing shortage of power supply. Therefore the Committee recommends for installation of 133/32 Power sub-station to overcome the hardship. In this connection land has already been allotted and survey has also been conducted.
4. The Committee recommends that one new Solar Plant should be installed at each LAC of Assam.
5. The Committee recommends the Department to provide regular electricity bills to the Tea Garden Households in the entire State.
6. The Committee reiterates its earlier recommends to shift the transformer placed near Manasha Mandir Sagalpara, Lokhra (in front of the land of Mrs. Bhattacharjya and Mr. Rangsal) to other nearby place in the Sagalpara Lokhra area of Guwahati within one month.
7. The Committee recommends the Department to take necessary steps for shifting all the Electric poles which are located near the market areas/town areas to suitable place.

The Committee also observes that an electric pole is found in a dangerous condition behind Hotel Rajdhani Regency near Lastgate. Therefore, the Committee directs the Department to remove/replace the pole at the earliest.

8. The Committee recommends the Departmental officers to make arrangements for installation of one Sub-station near Bhaktadoba Bajar under Sarukhetri Constituency and near Silchar Medical College.
9. The Committee observes that Panbari village under Tezpur Sub-division in Rangapara LAC has not been provided electrification yet.

Therefore the Committee recommends the Department to electrify as soon as possible so that the public can be benefited.

10. The Committee recommends that drawing of 33KVA line from Dullabcherra (Sribhumii District) to Gharmurah (Hailakandi District) should be installed.
11. The Committee observes that the residents of Bikash Nagar, Kailashpur, Odalbakra (in front of the house of Mr. Dekka) are facing problems as the overhead LT line got reduced to less than the required standard height posing as danger to residents of the area.

Therefore, the Committee recommends the Department to take immediate necessary action to solve the problem by replacing existing concrete poles as per requirement and overhead steel wires by insulated cables.

12. The Committee recommends the Department to shift electric poles and to re-install by insulated wires from Kayakuchi Bazar to Fazu Bazar, Tapa Chok, Pakabetbari development block. The Committee also recommends to shift electric poles and reinstall by insulated wires from Kalijhar to Nittananda Chowk.
13. The Committee recommends to install electric substation at Bhaktardoba Bazar and Barbala under Sarukhetri LAC.
14. The Committee recommends that new electric connections to be provided to the disadvantaged people under Sarukhetri LAC.

The Committee recommends that the Budget allocation provided under Grant No. 62 for the Financial Year 2025-2026 for the Power(Electricity) Department be approved by the August House.
