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(i)

**COMPOSITION OF THE DEPARTMENTALLY  
RELATED STANDING COMMITTEE ON  
DEVELOPMENT (A) DEPARTMENTS,  
2022-23**

**CHAIRMAN**

1. Shri Gobinda Chandra Basumatari MLA

**MEMBERS**

1. Shri Bolin Chetia MLA
2. Shri Krishnendu Paul MLA
3. Shri Rama Kanta Dewri MLA
4. Shri Jayanta Malla Baruah MLA
5. Shri Promod Borthakur MLA
6. Shri Biswajit Phukan MLA
7. Shri Jitu Goswami MLA
8. Shri Krishna Kamal Tanti MLA
9. Shri Hemanga Thakuria MLA
10. Shri Wazed Ali Choudhury MLA
11. Shri Sherman Ali Ahmed MLA
12. Shri Siddeque Ahmed MLA
13. Shri Diganta Barman MLA
14. Shri Misbahul Islam Laskar MLA
15. Shri Abdul Batin Khandakar MLA
16. Shri Prithiraj Rava MLA
17. Shri Ponakan Baruah MLA
18. Shri Mazibur Rahman MLA
19. Shri Nizanur Rahman MLA
20. Shri Zakir Hussain Laskar MLA
21. Md. Aminul Islam (junior) MLA
22. Shri Lawrence Islary MLA
23. Shri Durga Das Boro MLA
24. Shri Akhil Gogoi MLA

**SECRETARIAT**

1. Shri Hemen Das, Principal Secretary
2. Shri Dulal Pegu, Secretary
3. Shri Rajib Bhattacharyya, Joint Secretary
4. Shri Binod Ch. Bhuyan, Deputy Secretary
5. Smti Deepali Pegu, OSD (Under Secretary)
6. Shri Nabajyoti Patowary, Under Secretary
7. Shri Digambar Barman, Committee Officer
8. Smti Menaka Kutum, Committee Officer,
9. Smti Susmita Das, Committee Officer



## INTRODUCTION

1. I, the Chairman of the Departmentally Related Standing Committee on Development (A) Departments having been authorized by the Committee to present the **Twenty Fourth Report** on their behalf on the demands for **Grant Nos. 61 & 62** relating to **Power (Electricity), Mines & Minerals Department** for the financial year 2022-23.
2. The Committee took evidence of the government representatives on **23<sup>rd</sup> March, 2022**.
3. The Committee wishes to place its thanks to the representatives of concerned Department who appeared before the committee and placed their considered views and notes. The Committee also like to thanks the Department for furnishing the replies on the points raised by the Committee.
4. The Reports was considered and adopted by the Committee at their sitting held on **26<sup>th</sup> March, 2022**.
5. The Committee also expresses its thanks to the Officers and staff of the Assam Legislative Assembly Secretariat, who devoted their time and energy in processing and compilation of the report within a very short span of time for their Secretarial assistance & co-operation.

Dispur :  
The 26<sup>th</sup> March, 2022.

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



**CHAPTER-1**  
**MINES & MINARALS**  
**GRANT NO.-61**

The total sum of Rs.2552.38 Lakhs are required for approval of the House during the Financial year, 2022-2023.

The Total allocation of fund under the Grant No.61 for administration of Mines & Minerals Department during the financial year 2022-2023 is Rs.2552.38 Lakhs and Presented before the House for approval. The total amount so allocation prepared to spend in the Revenue & Capital expenditure.

The detailed budget allocation under the Grant No.-61 of Mines & Minerals Department as under :-

(Rupees in Lakhs)

<b>General Area</b>			
<b>Head of Account</b>	<b>Major Head</b>		<b>Budget Estimates</b>
<b>2853</b>	Non-ferrous Mining and Metallurgical Industries	EE	2105.52
<b>4853</b>	Capital out lay on Non-ferrous Mining & Metal Industries	SOPD	406.60
	<b>Total</b>		<b>Rs.2512.12</b>
<b>Karbi-Along Autonomous Council</b>			
<b>2853</b>	Non-ferrous Mining and Metallurgical Industries		23.16
<b>North Cachher Hills Autonomous Council</b>			
<b>2853</b>	Non-ferrous Mining and Metallurgical Industries		17.10
	<b>Grand Total Rs.2552.38</b>		

The Departmentally Related Standing Committee on Development (A) Department examining the Grant No. 61 and took the evidence from the Departmental representatives present in the meeting.



## Report

### Grant No-61

### Mines & Minerals

Directorate of Geology & Mining under the administrative control of the Mines & Minerals Department of the Government of Assam is the Directorate responsible for administration of minerals, including exploration and survey of minerals, auction of 11) minerals grant of exploration licenses, mining lease on minerals and petroleum to both public and private sector organization, realization of royalty, rent, fee etc. on various minerals, oil and natural gas produced from the mining lease areas. The Directorate also has the authority for issuing of Sealer's: license, for limestone and coal by implementing "The Assam Mineral Regulation and Dealers Rules, 2020" to prevent illegal mining, storing, trading, transportation etc. of coal and limestone. Geological investigation works carried out by the Directorate of Geology and Mining, Assam are basically ongoing schemes and continuous in nature. The expenditure to execute the ongoing schemes is Preliminary .met from the budget allocation to the Department in Grant No. 61 Preliminary Mines & Minerals under the Head of Account "2583-Non-Ferrous Mining & Metallurgical Industries-o2- Regulation and Development of Mines"

Geological works consist of

- i. Intensive Mineral investigation along with survey, and
- ii. Ground water Survey

The activities involved are Preliminary and detailed geological investigation of mineral deposits including survey and mapping, core drilling of possible mineral bearing areas to ascertain depth thickness, extension, nature etc. of the mineral deposits Chemical analysis of the samples of mineral deposits collected from the field are carry out in the departmental laboratory for assessment of quality and grade of the mineral deposits. Subsequently reserve estimation of mineral deposits for economic exploitation and mineral blocks are then ready for auction. Similarly, hydro geological survey inducing exploratory drilling, chemical quality analysis carried out for assessment of groundwater potentialities and for identifying: zones, etc. for utilization of groundwater.

#### 2. Annual Budget Report of the Department

The total sum of Rs. 3225.17 Lakhs are required for approval of the House during the financial year, 2022-23.

The detailed estimated budget allocation under the Grant No. - 61 of Mines & Minerals Department as follows :-

(Rupees in lakhs)			
Head of Account	Major Head	General Area	Budget Estimate
2853	Non-ferrous Mining and metallurgical Industries	Salary and wages	1565.89
		EE	532.28
		SOPD	56.00
4853	Capital outlay on Non-ferrous Mining & Metal Industries	EE	200.00
		SOPD	823.00
Karbi-Anglong Autonomous Council			
2853	Non-ferrous Mining and metallurgical Industries	SOPD	30.00
North Cachar Hills Autonomous Council			
2853	Non-ferrous Mining and metallurgical Industries	SOPD	18.00
1286	Grand Total		Rs. 3225.17

**Detailed Break-up of Budget & Expenditure of Directorate of Geology & Mining,  
Assam for the financial year 2021-22**

(Rs.) in  
Lakh

Sl No.			Budget	Expenditure
			2021-22	2021-22
1	EE	Salary & Wages	1352.67	1130.69
2	EE	Non-Salary (1) Revenue Head	592.24	24.89
	EE	(2) Capital Head	225.00	25.24
3	Sixth Schedule	(1) Karbi Anglong (Non-Salary)	31.84	0.00
		(2) N C Hill (Non-Salary)	16.72	0.00
4	SOPD-G	Non-Salary (1) Revenue Head	24.01	0.00
		(2) Capital Head	94.78	26.46
<b>Total of Non-Salary Under SOPD-G</b>			<b>158.65</b>	<b>31.98</b>
5	SOPD-ODS	Non-Salary (Assam Hydro Carbon Co. Ltd)	4000.00	4000.00
<b>Grand Total</b>			<b>6337.26</b>	<b>5210.28</b>

**3. Physical target achieved during last three years**

**(a) Mineral Investigation**

Year	Mineral Exploration work	Achievement	Remark
2019-20	1: Preliminary Geological Investigation of Limestone Deposit in Voveranglangsho area, Dima-Hassao District.	Preliminary Geological mapping 22.00 Sq. Km. Detailed geological mapping with contouring 2.033 Sq. Km	Detail mapping of 2.033 Sq. Km. area is carried out and Limestones are highly fossiliferous. Average CaO percentage is 45%. Selected for drilling in the next field season
	2: Granite deposit at Dhansora near Rajagaon, Nagaon District.	Detailed geological mapping with contouring 1.02 Sq.km	The area is divided into 4 blocks and are ready for auction. Granite is of gray variety.
	3: Geological investigation and detail mapping with contouring of quartzite deposit near Parakhowa area, Karbi-Anglong	Detailed geological mapping with contouring 0.86 Sq. Km (scale 1: 2000)	As the silica percentage is lower (89%) in the deposit, therefore the area is not selected for auction.
	4: Silimanite deposit at Samelangso Valley area, Karbi-Anglong District	Preliminary Geological mapping 20 Sq. Km Detailed geological mapping with contouring 1.67Sq. Km	The project proposal submitted by the directorate for National Mineral Exploration Trust (NMET), Govt of India, have been

			approved by Technical cum cost committee for exploration.
2020-21	1. Preliminary Geological investigation and detail mapping with contouring of granite deposit at Borbhita and Rakhyashini hills, Goalpara	Preliminary Geological mapping 20 Sq.Km Detail mapping 1.00 Sq.Km (Borbhita)	Exploration has been completed; the technical report is being prepared.
	2. Granite deposit near Danshora hill, Nagaon District,	Preliminary Geological mapping 10 Sq.Km. Detail mapping 1.1 Sq.Km	Will be auctioned in 2022-23 with revised NIT.
	3. DGPS Survey in Umrangshu E and F block and Juipahar A & B block, Dima-Hasao District	Completed for Umrangshu E and F blocks	SBICAP is nominated as Transaction Adviser with the approval of cabinet for preparation of tender documents, valuation etc. for auction within this year.
	4. Geological investigation and detail mapping with contouring of sillimanite deposit at Samelangso Valley area, Karbi Anglong District	Detail mapping: 2.00 Sq.Km	Upto G4 level exploration has been approve by TCC of NMET fund.
	5. Investigation of coal in and around Klur Dung area near Bokolia town, Karbi-Anglong District		Will be continued in 2021-22
	6. Geological Investigation of Limestone Deposit in Votcranglangsho area, West-Karbi-Anglong dist., Assam		The project proposal submitted by the directorate for National Mineral Exploration Trust (NMET), Govt of India, have been approved by Technical cum Cost committee for exploration.
2021-22	1. Investigation of coal in and around Klurdung area near Bokolia town, Karbi anlong District, Assam	2 Nos. of boreholes has been drilled in Klurdung area. In first borehole, 30 metres were drilled and encountered 1.5 metres of coal seam along with ferruginous matters. Drilling of second borehole is continuing and drilled upto the depth of 30 metres. No coal seam is encountered till now.	Under progress
	2 Investigation of coal in around Dentaghat area near Bokmoka town Karbi Anlong district.	The exploration of coal has started at Disubai area instead of Dentaghat area	Under progress

		As per preliminary report, there is no occurrence of economically viable coal at Dentaghat. In Disubai area, detailed survey is in progress in 1:2000 scale with a target of 2 sq. km.	
	3. Preliminary Geological Investigation and detail mapping with contouring of granite deposit at Tetelia Pahar, Morigaon district	Not yet started	Will be continued in next field season
	4. Preliminary Geological Investigation and detail mapping with contouring of granite deposit at Kakira, Goalpara district	Preliminary survey was completed. As per report, granite deposit is not suitable for slab or tiles.	completed
	5. Preliminary Geological Investigation and detail mapping with contouring of granite deposit at Agyathuri, Kamrup district	Preliminary survey was done but due to local habitants in the area, further survey has not been carried out.	completed
	6. Preliminary Geological Investigation and detail mapping with contouring of granite deposit at Nakhala Pahar area, Morigaon district	Not yet started	
	7. Preparation of district Survey Report of Kamrup District	The district survey for Kamrup has started. The exploration work is under progress.	Under progress

**(b) Trend of Revenue Collection for Last Three Years**

Sl. No.	Status of Revenue Collection	Unit	2019-20		2020-21		2021-22	
			Target	Achievement	Target	Achievement	Target	Achievement
1	Revenue Collection	Crore of Rupees	2237.67	2335.73	2383.12	1489.20	2291.33	2281.63
2	Collection over Target	%	104.38		62.49		99.57	

**4. Action taken report on Observations and Recommendations (Grant No 61) Mines and Minerals Department for the year 2020-21 21-22**

Sl. No.	Observation and Recommendation	Action Taken
1	The Committee observes that the meeting of the District Level Governing Council of the DMF Trust is seldom held in many districts, such as Barpeta etc. The committee therefore recommends that the said meetings shall be held at regular intervals, at least once in three months so that	Regarding holding of meeting of government council of DMFT, the recommendation is sent through email to Deputy Commissioners and Chairpersons of DMFT of 33 districts of Assam. It may be mention here that newly constituted

	<p>the fund of the trust is gainfully utilized.</p>	<p>Bajali district does not have District Mineral Foundation Trust. (Annexure I). It may be mentioned that after the instaction, governing council meeting of Barpeta district was held on 15/11/2021 and attended by our officers (Annexure II) Holding of such meetings have been reported from other district also.</p>
<p>2</p>	<p>The Committee observed that there is huge resource of Granite in Assam which may be around 300 million cubic metre. As of now exploration has been done of about 100 million cubic metres. The committee therefore recommends that detail exploration of granite should be done and this will minimize the use of granite as building stone.</p> <p>The committee further recommends that necessary infrastructure required for easy exploration shall be provided to the Directorate of Geology and Mining, Assam.</p>	<p>Directorate has carried out exploration of granite in Goalpara, Kamrup and Morigaon district in the field season 2021-22. The exploration works are still going on. (Annexure III) 22 (twenty two) blocks of granite will be auctioned with revised NIT (Annexure IV). Auction process has been started from 2019 onwards after fixation of royalty rate. Till now, bidding through e- Auction was done for 2 (two) times, though no bidder has participated due some technical reasons. To find out the lacuna, modifications on tender documents, comparison of rate of royalty with other granite bearing States, recovery rate etc. are done and the matter will send to the Department for the amendments within a short period.</p>
<p>3</p>	<p>The Committee observed that the granites used in Assam are brought from outside the state. Since Assam has a huge resources of granite as such, the Committee recommends for a setting up of granite based industries in Assam to encourage the youth of the state.</p>	<p>22 (twenty-two) blocks of granite will be auctioned with revised NIT. Many entrepreneurs are coming up to participate in auction with revised NIT. (Annexure IV) The Department is hopeful that the lease holder will set up granite polishing industry in the State. And thereby, the market of granite within the state along with the neighbouring states will be evolved. Department has already informed Industries &amp; Commerce Department as per point 3 of observation and recommendation of DRSC 25<sup>th</sup> report vide department letter No. PEM/36/2020/105 dated 5<sup>th</sup> March, 2022 (Annexure-A)</p>
<p>4</p>	<p>The Committee observed that the granites are extracted from the hills in the name of stone for which the state is losing huge amount of revenue. The Committee strongly recommends for making an enquiry in this regard and action should be taken against those ROPs who are involved in such malpractice.</p>	<p>At present, before preparing the mining plan for permit, contract etc. for stone, competent authority, the Environment and Forest Department send the sample of the area with GPS coordinates to the Directorate. After examining the sample in petrological laboratory, the Directorate decides whether the sample is suitable for ordinary stone or of industrial grade.</p>



5	<p>There is no environmental science engineering person in Mines and Minerals Department who can replace the RQPs. The committee, therefore, recommends for appointing 2 (two) nos of environmental science engineering person in the department.</p>	<p>Recognised Qualified Person (RQP) is registered with the directorate as per Rule 48 of Assam Minor Minerals Concession Rules, 2013 and clause (b) of sub-section 2 of section 5 of Mines and Minerals (Development and Regulation) Act, 1957 for preparation of mining plan. Recognised Qualified Person (RQP) is registered as per rule 49 of Assam Minor Minerals Concession Rules, 2013. and RQP shall have the following qualification and experiences:</p> <p>(a) A degree in mining engineering or a post graduate degree in geology granted by a university established or incorporated by or under a Central Act, A Provincial Act or a State Act including any institutions recognized by the University Grants Commission under Section 4 of the University Grants Commission Act, 1956 (3 of 1956) or any equivalent qualification granted by any university or institute outside India and recognized by Government of India and</p> <p>(b) professional experience of five years of working in a supervisory capacity in the field of mining after obtaining the degree.</p> <p>Mining Plan is prepared by the Recognized Qualified Person (RQP) as per Rule 50 of AMMR, 2013. (Annexure V)</p> <p>However, Environmental Science engineer may engage in the department to monitor the post effects of mining of an area or for the mine closure plan as per the Hon'ble Supreme Court order in writ petition No. 114/ 2014 in the common cause Vs Union of India. Steps have been taken to move department for making necessary amendment in the relevant clause of MMDR Act, 1957 to incorporate Environmental Science Engineering as requisite qualification for RQP.</p>
6	<p>The committee observes that illegal mining is going on in Karbi-Anglong and Dima Hasao. So, the committee strongly recommends that an enquiry should be conducted regarding illegal mining in the state as well as to take the necessary steps so that department may collect revenue from coal and mining specially in the districts of Karbi-Anglong and Dima-Hasao.</p>	<p>Two enquiry team have been formed separately for both Karbi-Anglong and Dima-Hasao District. (Annexure VI, VII). Several field visits have been made by department for checking illegal mining (Annexure VIII). Following the Hon'ble committee's recommendation a verification was conducted by the Directorate and Mines and Minerals Department in Karbianglong and Dima Hasao. 3, 288 metric ton of coal was detected which was stocked outside the</p>

		<p>stockyard of Garampani Coal Extraction Project. Later Assam Mineral Development Corporation (AMDC) has claimed that those coal were extracted from their lease field area by their approved customer before closure of mining activities. It is to be mentioned that AMDC may dispose those coal as per rules, which will enhance the state revenue.</p> <p>The Directorate has recently implemented "The Assam Mineral Regulation and Dealers Rules, 2020". And accordingly 326 numbers of licence to coal and limestone dealers are issued. The whole process will prevent illegal trading, storage, transportation of limestone and coal.</p>
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## A brief Note in respect of Grant No. 61

The Directorate of Geology & Mining under the administrative control of the Mines & Minerals Department of the Government of Assam is the Directorate responsible for Administration of minerals, including exploration and survey of minerals, grant of exploration licenses, mining lease on minerals and petroleum to both public and private sector organisation, realisation of royalty, rent, fee etc. on various minerals, oil and natural gas produced from the mining lease areas. The average revenue collection in last year is Rs.2281.63 Crores. The Mines & Minerals Department has issued total 68(Sixty-eight) numbers of PML which includes 46 (Forty-six) numbers to ONGC and 22 (Twenty-Two) numbers to Oil India Ltd. 9 (Nine) numbers of hydrocarbon areas awarded under the Discovered Small Fields (DSF) policy are expected to start production in 2021-22. 22(Twenty-two) blocks have also been awarded to different oil exploration companies under Open Acreage Licensing Policy (OALP).

### Achievement in 2021-22

- Auction of Minerals: 6 (six) blocks of quartzite and 1 (one) block of china clay have been auctioned with a sold value of Rs. 25.45 Crores
- Proposal for 2 blocks of coal in Garampani and Koilajan area sent to Govt. of India by Mines and Minerals Department, have been auctioned in 2021-22.
- The Royalty collection in the year 2021-22 till February is Rs. 2281.63 crore
- Government of Assam has signed 3(three) OALP (Open Acreage licencing policy) Block with Oil India Limited on 6th October 2021 for exploration of oil.
- Total DMF Accrual till December, 2021 is Rs.110.3524 Crore. Under PMKKKY various projects have already been started in Dima Hasao, Karbi Anglong, Tinsukia, Cachar, Darrang, Barpeta, Dhubri, Dibrugarh and Lakhimpur District
- Implementation of "The Assam Mineral Regulation and Dealers Rules,2020" with 326 numbers of mineral Dealer licence have been issued up-to February 2022.
- 6 (six) new District Mines and Minerals Office are established in Cachar, Tinsukia, Dima Hasao, Karbi angling, Jorhat and Sivasagar districts.

### Proposed Activities for 2022-23

- 1117 MMT of limestone will be auctioned in 2022-23 with SBICAP as Transaction Manager, which is approved by Cabinet. Estimated revenue to be collected is about 45000 crore for fifty years.
- 18 blocks of Granite, 1 blocks of china clay, 2 blocks of glass sand, 2 blocks of Quartzite and 1 sandstone block will be auctioned in 2022-23 with revised NIT.
- A collection of revenue of Rs. 2520.00 crore in next financial year i.e., 2022-23 has been anticipated by this directorate.
- Proposal submitted to GOI for mining leases in Amlokhi, and Silonijan in Karbi Anglong District for extraction of coal.
- For the first time three of the project proposals submitted by the directorate for National Mineral Exploration Trust (NMET), Govt. of India, have been approved by Technical cum cost committee for exploration of limestone, iron ore and sillimanite. Cost approved for three projects is about 10.4 crore. These projects will immensely help the state government by enhancing revenue in near future.
- As per the direction of Hon'ble Chief Minister the transfer of administration for minerals listed in Y-Schedule of Assam Minor Mineral Concession Rules, 2013 the Directorate of Geology and Mining under the Mines and Minerals Department is under process. With this transfer. revenue from minor minerals is expected to be enhanced with proper scientific exploitation and administrative control.



**New Schemes-** Various investigation programmes are being carried out like Geological Investigation of Coal deposit in and around Klur Dung and Disobai area, Karbi Anglong District, Granite deposit at Tetelia, Morigaon district and Kakira in Goalpara District. A MoU has been signed with MECL for non-coal minerals and accordingly MECL has started exploration of sillimanite in Chipilangsho area of Karbi Anglong district.

Out of Rs.879 lakhs allocation of SOPD fund, the directorate will utilize Rs. 823 lakhs for infrastructure development which includes .

- (a) A Museum to display the various rock and minerals samples and the items related to earth science for public and student to acquire knowledge, along with a Remote Sensing Laboratory for pursuing different GIS related works and mapping works.
- (b) A guest house with 2 VIP rooms and other rooms for officers and staff, for visiting scientist and other officers and staff from other organisation and also for employees of the Directorate from district offices.
- (c) Construction of two district offices which were established in 2021-22.
- (d) A new building (G+1) for workshop along with office of drilling section and store is proposed.

Another Rs.56 lakhs is for procurement of machineries for analytical laboratory and petrological laboratory

- (a) Machinery for petrological laboratory-upright microscope for polarisation.
- (b) Machinery for analytical lab-TGA for proximate analysis of coal.

**Grant No.61.**  
**Mines & Minerals Department**  
**Observation and Recommendation**

1. The committee took strong exception to the fact that the inspite of statutory provisions for involvement of the MLAs in the District Level Governing Council of the DMF Trust, MLAs were not invited in the meeting of the Governing Council of the DMF Trust.

The committee therefore strongly recommends that the MLAs shall be involved in the said meetings and the meetings shall invariably be held at regular intervals, at least once in three months.

3. The Committee observes that at present there is no district level office under the Directorate of Mines and Minerals in the state which is highly essential for better administration and management of mining activities of the respective districts. This will also assist in restriction as illegal mining and storage/Transportion of illegal mined and minerals.

The Committee therefore recommends setting up District Office with permanent officers and staff initially in the district of Tinsukia, Dibrugarh, Sivasagar, Charaideo, Jorhat, Golaghat, Karbi Anglong, Dima Hasao, Cachar, Karimganj, Goalpara.

4. The Committee also recommends for creation of a Mines and Minerals Task force for restricting illegal mining and storage/transportation of illegally mined minerals.
5. The Committee also recommends survey and exploration of Chandardinga Hill at Bilasipara which is reportedly rich in mineral resources.
6. The Committee also endorsed the increase in budget allocation for vehicles in the Directorate of Geology and Mining for carrying out survey and exploration works.
7. The Committee recommends to increase the budget provision and also to increase manpower for fast mapping and exploration of minerals.
8. The Committee observes that there is huge potential of minerals in all the districts of upper Assam, Silchar, Karimganj, Karbi Anglong and Dima Hasao and Goalpara district. The Committee, therefore, strongly recommended that exploration work should be conducted in these districts.
9. The Committee reiterates its earlier recommendation for taking necessary steps regarding recruitment of two nos. of environmental science engineering person in the Department.

The Committee recommends that the Budget allocation provided under Grant No.61 for the Financial Year 2022-23 for Mines and Minerals be approved by the August House.

**CHAPTER-II  
POWER  
GRANT NO-62**

The total sum of Rs.194598.60 Lakhs are required for approval of the House during the financial year, 2022-2023.

The Total allocation of fund under the Grant No.62 for administration of Power (Electrical) Department during the financial year 2022-2023 is Rs.194598.60 Lakhs and presented before the House for approval. The total amount so allocation prepared to spend in the Revenue & Capital expenditure.

The detailed budget allocation under the Grant No.62 of Power (Electrical) Department will be as follows:

**(Rupees in Lakhs)**

<b>Revenue Accounts</b>		
<b>Head of Account</b>	<b>Major Head</b>	<b>Budget Estimates</b>
2045	Other Taxes & Duties on commodities and Services	593.02
2801	Power	103736.97
4801	Capital Outlay on Power project	79595.36
6801	Loans for power project	10673.25
	<b>Grand Total Rs.</b>	<b>194598.60</b>

While examining the Grant No.62 Power (Electricity) the official representatives deposed before the Committee that the Inspectorate of Electricity, under the Power (Electricity) Department, Government of Assam is Directorate level establishment with the Chief Electrical Inspector-cum-Adviser as the Head of the Directorate (HoD).

The objective of the Inspectorate of Electricity is to implement and administer the following Acts, Rules and Regulations.

- i. Certain provisions of the Electricity Act, 2003 and Rules/Regulations made there under ;
- ii. Central Electricity Authority (measures relating to Safety and Electric Supply) Regulations, 2010 ;
- iii. Certain provisions of the Assam Cinema (Regulation) Rules, 1960.
- iv. The Assam Electrical Licensing Board Regulation, 1992.
- v. The Assam Lifts and Escalators Act, 2006.
- vi. The Assam Lifts and Escalators Rules, 2010.

The Chief Electrical Inspector-cum-Adviser is the Designated Agency for the State of Assam under the Energy Conservation Act, 2001 to ordinate, regulate and enforce the provisions of the Energy Conservation Act within the state.

The Inspectorate of Electricity, Assam consists of Head Quarter Office at Guwahati and four (4) Zonal Offices at Silchar, Tezpur, Jorhat and Dibrugarh, all of which are under NONPLAN. There is no Plan Scheme in so far as the Electrical Inspectorate is concerned. This Inspectorate does not execute any project work but is primarily concerned with administration of certain provisions the Acts and Rules/ Regulations stated above to ensure safety.

In the year 2021-22, there were no Schemes for implementation by this Inspectorate in respect of the Demand for Grant in the last year's Budget.

Followings are the salient points reflecting the working and relevant requirement of budget:

**1. Administration of Electricity Act 2003 and Rules/Regulations made thereunder:**

The Electricity Act, 2003 and Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2010 provides for safety and related rules to be followed by organizations/personnel involved in Generation, Supply/Transmission, Distribution and Utilization of Electrical Energy, with an objective to provide safety to Human/Animal Life and equipments/properties.

**2. Administration of provisions of Assam Cinema (Regulation) Rules, 1960:**

Under provisions of this regulation permanent Cinema Halls are to be inspected and tested from this Inspectorate every year for the purpose of issuing Electrical Safety Certificates.

The Cinema Operator's License are issued and renewed by the Inspectorate.

**1. Administration of the provisions of the Assam Electrical Licensing Board Regulations, 1992.**

The Electrical Licensing Board is constituted by the State Govt. under the above regulation with the Chief Electrical Inspector -cum- Adviser. Assam as the ex-officio Chairman of the Board. The main functions of the Board are to grant Electrical Workmen permits, Supervisors certificate of competency and electrical contractor's license and to enquire in to malpractices in electrical works and disputes between the Licensed Electrical Contractor and the prospective/existing consumers of Electricity about contravention of Licensing Rules.

**2. Co-ordinate, Regulate and enforce the provisions of the Energy Conservation Act 2001.**

The Chief Electrical Inspector -cum- Adviser is the Designated Agency for the State of Assam as per the Energy Conservation Act, 2001 to co-ordinate, regulate and enforce the provisions of the Energy Conservation Act within the state of Assam.

A fund by the name 'Assam State Energy Conservation Fund' was constituted by the Government with publication of Rules to operate the fund in December 2011, as required under Section 16 (I) of the Energy Conservation Act, 2001 for the purposes of promotion of efficient use of energy and its conservation within the State.

**3. Administration of the Assam Lifts and Escalators, Act, 2006 and Rules:**

The Govt. of Assam enacted the Assam Lifts and Escalators Act, 2006 to regulate the installation, maintenance and safe operation of lifts and escalators within the state of Assam. Necessary Rules under the Act i.e. the Assam Lifts and Escalators Rules, 2010 was made in December 2010.

#### 4. Inquiry of Electrical Accidents;

The Inspectorate of Electricity has to conduct inquiry into cases relating to electrical accidents as per provisions of the Section 161 (2) of the Electricity Act, 2003, as and when directed by the Government and also by the Hon'ble Court.

#### Budget and receipt of fund :

This Inspectorate submitted the Budget Demand under NON-PLAN in the format prescribed by the Finance Department and also submitted in Govt. Web sit i.e [www.finassam.in](http://www.finassam.in).

The Budget on the grant during the last three years are follows :-

2019-20:	Rs.613.41 Lakh
2020-21:	Rs.583.82 Lakh
2021-22:	Rs.583.07 Lakh

There was no Plan Scheme in this Inspectorate.

Demand place by this Inspectorate for the FY 2021-22 was as under :

1787	Inspectorate of Electricity	Rs.585.09 Lakh
1788	Licensing scheme/Board	Rs.17.23 Lakh

During the year 2022-23, total Budget provision for the Inspectorate as a whole was Rs. 583.07 Lakh including salary.

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

Sl. No.	Designation of the Post	Sanctioned Post at		Vacancy position As on February/2022
		Head Office	Zonal Office	
1.	Chief Electrical Inspector-cum-Adviser.	1	-	Nil
2.	Addi. Chief Electrical Inspector-cum-1 Adviser.	1	-	Nil
3.	Deputy Chief Electrical Inspector	-	-	1 (One)
4.	Senior Electrical Inspector.	1	4	4 (Four)
5.	Electrical Inspector (Senior Grade)	1	4	3 (Three)
6.	Electrical Inspector.	-	4	4 (Four)
7.	Asstt. Electrica I Inspector.	2	-	Nil
8.	Sub-Asstt. Electrical Inspector.	4	4	2 (Two)
10.	Stenographer.	2	-	1 (One)
11.	Addi. Secretary, ELB.	1	-	Nil
12.	Superintendent.	1	-	Nil
13.	Senior Assistant.	5	4	3 (Three)
14.	Junior Assistant.	9	8	10 (Ten)
15.	Accountant.	1	-	Nil
16.	Clerk-cum-Record Keeper.	1	-	1 (One)
17.	Driver.	6	4	7 (Seven)
18.	Duftry.	1	-	Nil
19.	Chowkidar.	1	4	2 (Two)
20.	Peon.	9	12	9 (Nine)
21.	Electrical Jugali.	9	12	4 (Six)
<b>Total</b>		<b>60 Nos.</b>	<b>60 Nos.</b>	<b>55 Nos.</b>

Details of works and activities carried out during the year 2020-2021 by the Inspectorate of Electricity are shown below:

**A. Inspection works:**

- i. Inspection of High & Extra high voltage installations: 2243 Nos.
- ii. Approval of generating sets under CEA Regulation 12/8 Nos.
- iii. Inspection of approval of High rise buildings: 03 Nos.
- iv. Periodical Inspection of Cinema Halls: 04 Nos.
- v. Inspection of Lifts; 503 Nos.
- vi. Inspection of Escalators; 13 Nos.
- vii. Electrical accident inquiries conducted as per
- viii. direction of Government and Hon'ble Court: 08 Nos.

**B. Licensing matters:**

- i. Electrical Supervisors certificate of competency 711 Nos.
- ii. granted to qualified candidates:
- iii. New Electrical Contractors License granted: 508 Nos.
- iv. Electrical Workmen permits granted: 246 Nos.

Total revenue collected from inspections & licensing matters :

Rs.62,08.573.00

**PRELIMINARY STATUS PAPER RELATED TO GRANT 62 OF 2022-23  
ASSAM POWER DISTRIBUTION CO. LTD. (APDCL)**

Sl. No.	Name of Project/ Scheme	(Rs. in Lakhs)		
		Budget Proposed during FY 2022-23	Present Status of the Fund	
1	2	3	4	
<b>A</b>	<b>Grant No.62 (Budget Head 6801)</b>			
1	"Integrated Power Development Scheme" (IPDS) Counterpart Fund	2677.10	The proposals are placed for Budget approval for the FY 2022-23 under SOPD, Grant No.62	
2	Installation of DTR fencing in vulnerable locations as safety measure	1500.00		
3	Enterprise Resource Planning	651.00		
4	Procurement of DTR Test benches and Conductor test set up for each region (LAR/UAR/CAR) alongwith civil works for setting up of the same.	278.00		
5	Strengthening of Distribution Network of APDCL	3000.00		
<b>B</b>	<b>Grant No.62 (Budget Head 4801)</b>			
1	Assured 24x7 Power Supply in Kaziranga, Kamakhya, Sualkuchi, Tezpur, Manas, Pobitora And Maluli.	1600.00		
2	Procurement, Installation, Augmentation and Repair of Distribution & Power transformer along with lines, fittings and necessary civil works.	6000.00		
3	Electrification of Anganwadi Centres and Primary Schools Implemented by APDCL	1762.00		
4	Procurement of meters (Implementation of Smart Metering in Selected Distribution Transformers (DTRs) for automatic DTR wise Energy Audit in APDCL)	3500.00		
5	Implementation of 1000 MW Solar Power Plants across the State under Mukhya Mantri Suroo Shakti Prokolpo	500.00		
6	10% State Share component of RDSS Infrastructure work- loss reduction implemented	1000.00		
7	Assam Power Distribution System Enhancement & Loss Reduction Project (AIB)	2000.00		
8		5000.00		
<b>C</b>	<b>Grant No.62 (Budget Head 2801)</b>			
1	Debt Servicing for RE related works Implemented by APDCL	10000.00		
2	Balance 5% State Share component of DDUGJY -NEW Projects Implemented by APDCL.	5000.00		
3	Waiver of electricity charges of Khoontale Tea Estate, Cinema Hall etc.	151.00		
4	OFR under UDAY	7600.00		
5	Energy Forecasting and Analytics	2485.00		
6	Targeted Subsidy	30000.00		
7	Power Purchase Subsidy	40000.00		
8	Targeted Subsidy to Assam Power Distribution Company Limited to provide tariff respite to some specific category of consumers as per prevailing mechanism.	30000.00		
<b>GRAND TOTAL</b>		<b>172704.10</b>		

**PRELIMINARY STATUS PAPER RELATED TO GRANT 62 FOR THE FY. 2021-22**

Sl. No.	Name of Project	Scheme	Budget Head	Budgeted Amount	Fund Utilised Status	Present Status
1	Contribution to ASEB Pension Trust	SOPD-QBS	2801	292.00	292.00	<p>ASEB Employees Pension Fund Investment Trust is a common Trust of all the three successor companies of erstwhile ASEB and it takes care of all the Terminal Benefit liabilities of employees joining prior to 01.01.2004.</p> <p>At the time of unbundling of former ASEB, the Government of Assam vide Notification No. PEL.1902004/69 dated 04/02/2005 had notified sources for funding of past-undated liabilities and committed to provide Budgetary Support to meet any shortfall.</p> <p>The estimated deficit for the FY 2021-22 was Rs. 385.16 Crores; against which GOA has made a Budgetary Provision of Rs.292 Crores in the regular Budget. For the remaining amount of Rs. 73.16 Crores; against which GOA has made a Budgetary Provision of Rs.292 Crores in submitted Supplementary Demand to be placed in the Winter session of the Assam Legislative Assembly, but it was not considered. Moreover, for the FY 2022-23, ASEB Pension Trust has submitted a Budget Estimate of Rs.404.70 Crores to the Government of Assam vide letter dated 28/01/2022.</p>
2	Enhancement of Intra State Transmission System of AEGCL (AIB)	EAP	4801	144.00	50.00	<p>Capital Share:</p> <ol style="list-style-type: none"> <li>1) For Phase-I, the Project Agreement, was signed between GOA, AIB &amp; AEGCL on 23/02/2021 and Loan Agreement was signed between DEA and AIB on 23/02/2021. Moreover, effectiveness of the loan has also been declared on 19/05/2021.</li> <li>2) Out of 16 packages, contracts against 9 packages have been effective while mobilisation advance amounting to Rs. 39.97 Crores has been released against 7 packages. Mobilisation Advance amounting to Rs. 28.06 Crores against 2 packages is to be released when requisite fund is available.</li> <li>3) For FY 2022-23, a proposal for an amount of Rs. 30212.00 Lakhs against Regular Budget has been placed.</li> <li>4) 82% of supply bills raised till date against Augmentation of Transmission line by HTLS has been released while for one augmentation package, bills raised have been processed and shall be released when requisite fund is available.</li> <li>5) Release of balance Rs 9400 Lakhs against Regular Budget FY 2021-22 (Capital Share) is under process.</li> </ol>
3	Enhancement of Intra State Transmission System of AEGCL (AIB)	EAP-SS	4801	47.32	25.00	<p>State Share:</p> <ol style="list-style-type: none"> <li>1) In PH-I, Master plan for Construction of 440 KV Rangia and 132/33 KV Kumbhata AIS is completed. Route survey has also been completed.</li> <li>2) In PH-I, route survey for Construction of 400 KV Sonapur GIS is completed. Master Plan approval is in process.</li> <li>3) Tender Evaluation for 1 package (Conversion of AIS to GIS at Gohpur) is under process.</li> <li>4) 18% of Mobilisation Advance raised against 04 (Four) packages has been released.</li> <li>5) 18% of supply bills raised till date against Augmentation of Transmission line by HTLS has been released.</li> <li>6) PMC is in service and are conducting E&amp;S and civil related site visits, review of drawings and preparation of E&amp;S documents and progress reports.</li> <li>7) For FY 2022-23, a proposal for an amount of Rs. 7203.25 Lakhs against Regular Budget has been placed.</li> <li>8) For PKG-D, land Demarcation at Khumtal has been concluded on 11/02/2022 and the land has been handed over to AEGCL from Morongl Revenue Circle on 28/02/2022.</li> <li>9) Release of balance Rs 1100.00 Lakhs against Regular Budget FY 2021-22 (State Share) is under process.</li> <li>10) Release of Rs 1132.14 Lakhs against Supplementary Demand FY 2021-22 (State Share) is under process.</li> </ol>

**PRELIMINARY STATUS PAPER RELATED TO GRANT 62 FOR THE F.Y. 2021-22**

Sl. No.	Name of Project	Scheme	Budget Head	Budgeted Amount	Fund Utilised Status	Present Status
4	Various Works Under Normal Work Component of AEGCL	SOPD-G	6801	18.00	0.00	Various works have been undertaken for Augmentation of Transformer capacities, stringing/construction of transmission lines, etc. at various sub-stations which would boost the power handling capacity in the various regions of Assam. For this, GoA has made budgetary provision for 4 nos. of projects with total amount of Rs. 18.00 Crore under SOPD-G 2021-22 scheme. Fund releasing process is under progress. Furthermore, an amount of Rs. 20.00 Crore has been proposed in the F.Y. 2022-23, for enabling AEGCL to continue implementation of works for 1 no. of ongoing projects, related to Renovation and Upgradation of 46 nos. of GSS under GOI PSDF scheme and 4 nos. of new projects related to Augmentation of Transformer Capacity and Bus System, Construction of new line bay and Stringing of Transmission Line.
5	Composite Schemes of Transmission & Distribution in NER (NERP-SIP) State Tax Reimbursement	EAP-SS	4801	43.83	29.57	STATE TAX REIMBURSEMENT OF NERPSIP SCHEME BY PGCIL



**Annual Report of the Department (APGCL)**

Status of APGCL from February'21 to January'22 was as follows:-

**Running Power Plants:**

**1. Lakwa Thermal Power Station (97.2 MW):**

Presently LTPS is generating an average of 70-80 MW (83%) load subject to availability of gas.

**2. Lakwa Replacement Power Project (70 MW):**

Presently LRPP is generating an average of 65-70 MW (92%) load subject to availability of gas.

**3. Namrup Thermal Power Station (64.5 MW):**

At present Namrup Thermal Power Station is generating at an average of 25-30 MW subject to availability of gas.

\* Unit No. #1, Unit #4 & Unit #5: Decommissioned.

**4. Namrup Replacement Power Project (100 MW):**

COD of NRPP has been declared on 16.07.2021. Presently NRPP is generating an average of 98-99 MW (98%) load subject to availability of gas.

**5. Karbi Langpi Hydro Electric Project (100 MW):**

KLHEP is generating at an average of 50-100 MW subject to availability of water and load demand.

**6. Myntriang Stage-I Small HEP (9 MW):**

MSHEP is generating at an average of 3-5 MW subject to availability of water.

**7. Myntriang Stage-II Small HEP (4.5 MW):**

MSHEP is generating at an average of 2.5-3 MW subject to availability of water.

**STATUS OF ONGOING AND UPCOMING POWER PROJECTS**

**A. Thermal Projects:**

**I) 100 MW Namrup Replacement Power Project (Phase-II):**

The Project is in the initial stage. Draft DPR has been submitted by the consultant and the same is under review at present. Total project cost is Rs. 1595.00 Crore (as per draft DPR). The DPR preparation for Environmental Impact Assessment (EIA) studies, engagement of Project Management Consultant (PMC) and other essential related miscellaneous works is under process.

**II) 100 MW Namrup Gas Engine Project:**

The Project is in the initial stage. Contract for preparation DPR has been issued.

**B. Hydro Projects:**

**L) 120 MW Lower Kopili HEP:**

**Project Description:**

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 of two project packages are already awarded: Package-2 (Project Roads, Civil & Hydro-Mechanical Works) to M/s Larsen & Toubro Ltd. and Package-3 (Electromechanical Works) to M/s Andritz Hydro Private Limited. The Project is expected to be completed by June 2024.

**II) Karbi Langpi Middle-II Hydro Power Project (24 Mw):**

NOC for land allotment & Implementation of the project received from KAAC. KAAC is in the process of final handling of land. APGCL has floated tender for civil works on 25-11-2021 and tender for electromechanical & Hydro-mechanical works is under process.

**C. Solar Projects:**

**I. 25 MW NAMRUP SOLAR PV PROJECT (NSPP):**

Another Renewable Energy Project has been undertaken by APGCL within the vacant land of Namrup Thermal Power Station (NTPS) premise. The project is at final stage of tendering.

**II. 20 MW Majuli Solar Power Project:**

APGCL has taken up a solar project of 20MW Capacity in Majuli. 300 Bighas of land at Lachon Chapori has been handed over to APGCL by Majuli District authority.

**III. Sonbeel Floating Solar Power Project (60 mw):**

NOC for allotment of 900 bighas of beel area of Sonbeel, Karimganj from Assam Fisheries Development Corporation Ltd. (AFDC) obtained. Tender for feasibility study and preparation of DPR was floated.

**ANNUAL REPORT OF THE AEGCL**

During last three years, the technical progress of AEGCL for construction of transmission line, Transformers, EHV Grid sub-stations and OPGW network are as follows-

**Technical Progress of AEGCL :**

(Line Length in Ckt. Km)

Sl. No.	Item	FY 2020-21	FY 2019-20	FY 2018-19	Up to 31.12.2021
1.	Transmission Network (in Ckt Km)	5713	5707.22	5366.93	5782
2	Total Transformer Capacity (in MVA)	7142	6972	6585	7514
3	No. of Substation	68	67	65	70
4	OPGW Network (in Km)				
5	Transmission Loss (%)	3.34	3.46	3.54	3.3
6	Transmission Availability (%)	98.32	98.83	98.83	99.16
7	Maximum Load handled (in MW)	1987	1956	1809	2120.7

Physical Target achieved during the last three years of APDCL related to Grant no. 62

ASSAM POWER DISTRIBUTION CO. LTD.

Sl No.	Project Description (Targets)	Physical Achievement	
		2019-20	2020-21
1	2	3	4
A	Grant No-62 (Budget Head 6801)	5	6
1	Strengthening of distribution network and infrastructure development	Construction of 11 KV feeders for power supply to 2 nos. of Tea Estate, Construction of 33 KV line, Construction of 11 KV dedicated Tea Feeder, Electrification of 5 nos. feeders, Construction of 30/11 KV 2110 MVA Substation, Construction of new 33KV line, Installation of highrised tower with 400 W LED bulbs at different locations, Construction of 11 KV line etc. 85% work completed	
2	Procurements of Electricity Meters, CT/PT sets, line & sub-station materials (O&M), SFV Grads PTR oil, T&G equipments, Repair of PTR & DTR alongwith installation of new DTRs with associated lines and fittings.	1) 180000 new single phase energy meters under all electrical circles of APDCL are being provided. 2) 2 nos of fully automatic 10point meter test bench under T&G Division of GEC-1 & Dibrugarh APDCL are being procured. 3) 5 nos of Digital leakage Circuit breaker and 7 nos of transformer winding resistance meter to different electrical circles under APDCL are being procured	The scheme was not approved in the Budget.
3	Procurement of IEC 61850 compliant IED/ CR panels with IEC 61850 compliant IED for Transformer and Feeder Protection with Broken conductor feature for upgradation of existing protection system to improve safety and reliability.	Amount budgeted but fund was not released	The scheme was not approved in the Budget.
4	Installation of DTR fencing and traffic guard for over head lines in vulnerable locations as safety measure	1327 nos of FRP DTR fencing completed.	The scheme was not approved in the Budget.
5	Upgradation of hardware of Data Center & Data Recovery (Procurement of new Server, upgradation of existing server and upgradation of necessary storage alongwith necessary licensing)	Amount budgeted but fund was not released	APDCL has upgraded the server and storage capacity of the Data Centre (DC) and the Disaster Recovery (DR) center which hosts the IT system set up under R-APDRP, Part-A scheme of entire North East states.
6	Procurement of DTR Test Benches and Conductor Test Set up for each region (LAB/JAR/CAR) alongwith civil works for setting up of the same	6 nos DTR test bench for T&G Divisions of GEC-4, Bongaigaon, Tezpur, Jorhat and Sivasar APDCL completed	The scheme was not approved in the Budget.
7	100% rollout of e-suvidha	APDCL aims to reach the target of 2500 or over being completed. Currently, approximately 30 Lakhs out of 66 Lakhs consumers are billed through this AI based system.	
8	Renovation of 5 Nos. Of Central Stores of APDCL for proper storing of procured materials at Guwahati, Tezpur, Bongaigaon, Silchar & Jorhat.	Amount budgeted but fund was not released	The scheme was not approved in the Budget.

Physical Achievement		2019-20	2020-21	2021-22
Sl No.	Project Description (Targets)	3	4	5
8	Enterprise Resource Planning	<p>1) Roll out and implementation of the ERP software across all units in all offices of APDCL.</p> <p>2) Proposals of the connectivity for ERP locations from BSNL.</p>	<p>Implementation of Pay Roll module for all the employees of APDCL.</p> <p>2) Uploading of material stock data in all other locations of APDCL.</p> <p>3) Completion of all business processes relating to employee benefits under HR module.</p>	<p>1) Study for roll out implementation of Pay Roll module.</p> <p>2) Automation of all the physical activities relating material, logistics and related payment activities.</p> <p>3) Digitization of physical record keeping system in most of the processes as an initiative to save paper cost.</p> <p>4) Generation of Annual Accounts and Balance Sheet of APDCL from the ERP system.</p> <p>5) Automation of all processes related to employee benefits under HR processes.</p> <p>6) Availability of MIS for Finance and HR</p> <p>7) Financial support of all the running business processes under Finance, Material, HR and District Station.</p>
9	Roof Top Solar PV Station on Govt. Building and Off-Grid Solar Power Plant at Primary Health Center (PHC) located in Off-Grid Remote Villages	<p>Work order issued for 470 KWp Off-Grid Solar Power Plant at different Primary Health Centers (PHC) located in Off-Grid Remote Villages. 80% work completed.</p>	<p>Annual budgeted but fund was not released</p>	<p>Grid Connected Rooftop Solar Power Plants of approximate 2000 KW plant capacity to be installed at different higher educational institutions throughout the State of Assam.</p> <p>The scheme was not approved in the Budget.</p>
10	Smart Street Lighting Project in identified Urban Area	<p>37% of Smart Light system completed.</p> <p>1) Smart meter 200 ampere meter replacement programmes at different locations under all LAL are being proposed.</p> <p>2) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>3) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>4) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>5) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>6) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>7) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>8) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>9) 1000 nos. of LED street lighting transformer at under all Offices of APDCL, being proposed.</p> <p>10) Work orders in 6 packages for procurement of 6000 nos. of LED street lighting transformer at under all Offices of APDCL, are issued.</p> <p>11) 4 nos. Digital transformer for TBC Divisions of Jorhat, Tezpur and Bongaigaon are being proposed.</p>	<p>The scheme was not proposed in the Budget.</p>	<p>This scheme is proposed under different head.</p>
11	"Integrated Power Development Scheme" (IPDS) Counterpart Fund		100% completed	
12	PWS (Facility Management Services) And Training Charges		Amount budgeted but fund was not released	
13	SCADA/DMS Project of APDCL Under RAPDRP Counterpart Fund		Amount budgeted but fund was not released	
14	Upgradation of BSNL MPLS Link		Amount budgeted but fund was not released	

Project Description (Targets)		Physical Achievement		
Sl. No.		2019-20	2020-21	2021-22
1		3	4	6
17	Annual Bandwidth Cost of Airtel Secondary Link	The scheme was not proposed in the Budget.	Amount budgeted but fund was not released	APDCL has been providing various online services to its consumers like online energy bill view, payment, prepaid meter recharge etc. In addition to providing diverse information about APDCL through the website www.apdcl.org. Internet Leased Lines have been provided and installed at the Data Centres for hosting these applications. Besides, MPLS links are running at the Data Centres and VSATs at field utility offices for supporting legacy centralized billing system. Uninterrupted connectivity at these offices is very much essential for ensuring smooth operation of these online services. As such, secondary links have been procured from Airtel as backup arrangement against the communication links procured from BSNL for these services. Total number of such secondary Airtel links is 9 out of which number of VSAT links is 5, number of MPLS links is 2 (for DC and DR) and number of LL links is 2 (for DC and DR)
18	Augmentation of Power Distribution In Majuli	Re-construction of existing R/S Jaiti Pankh/SSC Pole mounted S ph/4 wire/1ph 2 wire LT line with AB Cable, Buffer Stock of Distribution Transformers (DTR) Feeding, Augmentation of DTR of Substation. 100% completed.		
19	CMC of Grid Connected Rooftop setup in different Government Buildings of Assam under PDS	The scheme was not proposed in the Budget.	The scheme was not proposed in the Budget.	For the execution of all rooftop solar power projects, the scope of the work includes supply, erection and mandatory comprehensive maintenance contract (CMC) for the period of 5 years and accordingly work orders were awarded to the TCOs keeping provision of CMC of the installed systems for a period of 5 years.
20	Implementation of Off Grid Solar Power-Plant to be installed at different State Veterinary Dispensaries & Veterinary Hospitals throughout the State of Assam	The scheme was not proposed in the Budget.	The scheme was not proposed in the Budget.	The scheme was not approved in the Budget.
21	Procurement, installation, augmentation and repair of distribution & power transformer along with lines, fittings and necessary civil works	The scheme was not proposed in the Budget.	The scheme was not proposed in the Budget.	Procurement and installation of 9000 Nos. of Distribution Transformer, 70 nos. of pre-fabricated Compact Sub-Station (PCSS), 11 Nos. of Power Transformers and repairing of 4200 Nos. of damaged Distribution Transformers to improve voltage scenario.
<b>Grant No.62 (Budget Head 4801)</b>				
22	Replacement of wooden/Bamboo poles in HT/LT network of APDCL and upgradation of low lying substation prone to flood.	24217 nos. of Bamboo Poles replaced in the FY 2019-20.	The scheme was not proposed in the Budget.	APDCL has identified 62004 nos. of bamboo poles carrying LT distribution lines across the state. So far, 50655 nos. of bamboo poles have been replaced under different orders of APDCL and the replacement of balance 11,139 nos. is expected to be completed within June 2022.
23	Assured 24 Hours Electricity Supply in Kaziranga, Kamakhya, Soalichai, Tezpur, Manash, Pobitora & Majuli	Amount budgeted but fund was not released	The scheme was not proposed in the Budget.	To improve and augment the electrical power supply in the 7 (seven) nos. of tourist places in Assam namely Kaziranga, Kamakhya, Soalichai, Tezpur, Manash, Pobitora and Nagla by renovating of 11KV/33KV lines, re-conducting of 11 KV line using MVCC, conversion to LT bare conductor to LT AB cable, Distribution Transformer augmentation and installation of new Distribution Transformer, re-aligning/heightening of 11KV and LT overhead lines at eight corners. 95% of the total work has been completed

Sl No.	Project Description (Target)	Physical Achievement		
		2019-20	2020-21	2021-22
1		3	4	5
24	Expansion of 1972 helpline throughout the State	The Centralized Customer Care Centre is providing round the clock service to consumers related to their complaints and queries. All complaint and enquiry calls of consumers from all the central customer care centre (CCC) by using the number 1972	Amount budgeted but fund was not released	The scheme was not approved in the Budget.
25	Conversion of 1972 helpline with AIR cables in towns	Amount budgeted but fund was not released	Amount budgeted but fund was not released 1. OTT/Website - work in progress 2. Feeder metering 1st phase - 100% completed 2nd phase - 100% completed 3. Smart Metering - work in progress 4. System Strengthening - work under progress 5. Feeder Segregation - 98% completed a. To provide LED bulbs to consumers - 100% completed	The scheme was not approved in the Budget.
26	Targeted Activities under UDAY			
27	Separation Of Feeder	The scheme was proposed but not Budgeted.	Construction of 11 KV 3 KM new line 85% of the work has been completed.	Renovation of 11KV LT line. Construction of new 11KV line. Construction of 11KV feed back cable.
28	Implementation of online system monitoring and control of power distribution network of APDCL	The scheme was not proposed in the Budget.	Amount budgeted but fund was not released.	The scheme was not approved in the Budget.
29	Procurement of meters	The scheme was proposed but not Budgeted.	Smart Metering projects are underway covering a consumer base of 2.68 Lakh distribution under Jorhat, Suberg (Kamrup), Goalpara, Hilsa, Gualhati area. The scheme clubbed with UDAY and SOPD at together Rs. 200 crore project.	Only Rs. 1000 has been budgeted under the scheme.
30	Operating expenditure for running APDCL Revenue Management Software (ARMS) across APDCL	APDCL Revenue Management System (ARMS) in job employment against operating expenditures incurred		
31	Internal Electrification of Anganwadi Centres and Un electrified Primary Schools	The scheme was not proposed in the Budget.	The scheme was not proposed in the Budget.	Already around 40,000 numbers of Anganwadi Centres and primary schools are electrified out of total 61,794 and rest are going to be completed soon.
	Externally Aided Projects			
32	AIIIB (Asian Infrastructure Investment Bank)	The scheme was not proposed in the Budget.	2772 C Km New 33 KV Sub transmission line 4725.5 C Km New 11 KV Distribution line High Voltage Dist. System (HVDSS) at 140 locations. Work order issued and execution of work has been started.	

**PHYSICAL TARGET AND ACHIEVEMENT DURING LAST THREE YEARS RELATED TO GRANT**

**NO.82**

Sl No.	Year of completion	Name of the work	Fund	Status
1	2018-19	220KV Rangia GSS with associated transmission lines	ADB	100% completed
2		220KV Sonapur GIS with associated transmission lines	ADB	100% completed
3		132KV Sonapur GIS with associated transmission lines	ADB	100% completed
4		132kV DC line from Sonapur to CTPS GSS	ADB	100% completed
5	2019-2020	Augmentation of Sikona, Shipajhar, Nalbari, Rowta, N. Lakimpur, Dhemaji, Depota and Azara 132kV Grid Substation	SOPD	100% completed
6		2nd circuit stringing of Salakti - Kokrajhar line with HTLS conductor.	SOPD	100% completed
7	2020-21	2nd circuit stringing of Samaguri-Khaloigaon line	SOPD	100% completed
8		2nd circuit stringing of Bilaspara - Kokrajhar line	SOPD	100% completed
9		2nd 200MVA, 220/132kV at 220kV Sarusajai GSS	SOPD	100% completed
10		2 nos. of bays at Salakti and APM substation for termination of Salakti - APM Transmission line	SOPD	100% completed
11		Construction of 6 nos. of bays i) 132 kV line bays at Samaguri and Khaloigaon (Nagaon) sub-stations for 132 kV 2nd circuit Samaguri - Khaloigaon line. ii) 132 kV line bays at BTPS and Kokrajhar sub-stations for 132 kV 2nd circuit BTPS - Kokrajhar line. iii) 132 kV line bays at Kokrajhar and Bilashpara sub-stations for 132 kV 2nd circuit Kokrajhar - Bilashpara line.	SOPD	100% completed
12	2021-22	Augmentation of transformer capacity of 132/33 kV Khaloigaon sub-station from 2x25 MVA to 1x25 MVA + 1x50 MVA	SOPD	100% completed
13		132/33 kV Chapakhowa GSS	NERPSIP	100% completed
14		132/33 kV Teok GSS		100% completed
15		LILO of 132 kV Jorhat-Nazira at Teok		100% completed
16	132 kV Rupai-Chapakhowa TL	100% completed		

**ONGOING PROJECTS UNDER VARIOUS SCHEMES**

1	Turnkey Construction of 2 (two) nos. of 132kV Line-Bays including Supply of Bay Equipment and line bay materials and associated works etc. at Gohpur GSS, AEGCL	SOPD-2021-22	50% Completed
2	Augmentation of transformer capacity of 132/33 kV Nabari sub-station from 1x40 MVA + 1x16 MVA to 1x50 MVA + 1x40 MVA	SOPD-2020-21	95% Completed
3	Construction of 9 nos. of EHV substations and 9 nos. of EHV transmission line	NERPSIP	70% Completed
4	Construction of 8 nos. of EHV GIS alongwith the associated transmission lines	AIIB	24% Completed
5	Augmentation of Transformation Capacity at 14 nos. of Substations		
6	Augmentation of Transmission Line Capacity (Three Lines) (HTLS)(186 ckm)		
7	Augmentation of the communication backbone - Replacement of existing ground wire by OPGW (536 km)		
8	Procurement of Enterprise Resource Planning (ERP)		



**Action Taken on Observation and Recommendation on DRSC (APDCL) Observation and Recommendation:**

The committee recommends that uninterrupted power supply shall be ensured to those consumers who pay their electric bills regularly and replacement of DTR shall in no case be deferred for pending bill of other irregular payee. Instead, electric lines shall be disconnected to the consumers who do not pay their bills regularly, immediately after the due date is over in a particular month.

**Action taken:**

Disconnection of defaulted consumers is done in strict adherence to the governing regulations.

**Observation and Recommendation:**

The committee recommends that electric connection to every household in the state shall be completed within specific time frame.

**Action taken:**

As per timeline of REC Ltd., all household in the State of Assam are to be electrified within 31.12.2021 following the guidelines of DDUGJY/Saubhgya. Accordingly, all eligible households in all revenue villages except for the revenue villages with PGR, VGR and eroded status are provided with electrification. Also, all households nonmigratory in nature are provided with electrification as per MOP, GOI guidelines. The electric connection other than DDUGJY /Saubhgya is as per norms of AERC supply code regulation.

**3. Observation and Recommendation:**

The committee recommends that the electric bills shall invariably be served on actual meter reading to the customers on every month.

**Action taken:**

APDCL has taken various steps to ensure delivery of electricity bills on actual meter reading to the customers:

- a) Installation of Smart Meters for automatic meter reading and preparation of bills for consumers without manual intervention.
- b) Implementation of Artificial Intelligence (AI) based spot reading and preparation of bills to the consumers. In this process, the meter reader takes the photo of the reading displayed in the meter with his Smartphone. The AI system then extracts the reading from the photo taken and populates the reading in the software and the bill is processed. This feature eliminates the human error in collecting meter readings and helps in preparation of accurate electricity bills.

**Observation and Recommendation:**

The committee observes that APGCL has been unable to generate power and the installed capacity of APGCL has huge difference with power production. The committee strongly criticizes the incapability in this regard.

The committee recommends that the APGCL shall make the state self-sufficient in power production within 2025. APGCL should prepare a complete roadmap in this regard and submit it to the committee and execute the plans to make the state self-sufficient in power production.

**Action taken:**

APGCL is actively working on the roadmap to increase its generation capacity to approx. 5000 MW by 2030 subjected to the issuance of all statutory clearance and availability of the fuel allocation from the concern authorities. The project capacity along with the timeline for the completion of the project is tabulated as follows:

Sl. No	Project Name	Location	Type	Nominal Capacity(MW)	Projected completion time.
1.	Lower Kopili Hydro Electric Project	Lonku, Dima Hasao	Hydro	120	June, 2024
2.	Namrup Solar Project	Namrup, Dibrugarh	Solar	25	12 Months from issue of LOA.
3.	Karbi Langpi Middle Stage-II	Morinto, Karbi Anglong	Hydro	24	36 Months from issue of LOA.
4.	Karbi Langpi Middle Stage-I	Morinto, Karbi Anglong	Hydro	22.5	36 Months from issue of LOA.
5.	Margarhita Thermal Power Project	Margarhita, Tinsukia	Coal	2x800	60 Months from issue of LOA.
6.	Namrup Replaceme Power Project Phase-II	Namrup, Dibrugarh	Gas	100	36 Months from issue of LOA.
7.	Namrup Gas Engine Power Project	Namrup, Dibrugarh	Gas	100	24 Months from issue of LOA.
8.	Sonbeel Floating Solar	Sonbeel, Karimganj	Floating Solar	60	18 Months from issue of LOA.
9.	Majuli Solar Power Project	Majuli	Solar	20	12 Months from issue of LOA.
10	Chandrapu Waste to Energy Project	Chandrapur, Guwahati	Municipal Solid Waste	11	24 Months from issue of LOA.
11	Chandrapur Gas Based Power	Chandrapur, Guwahati	Gas	3x250	36 Months from issue of LOA.

	Project				
12	Gas Turbine Combine Cycle Power Project at Lowar Assam	Lower Assam	Gas	4x250	24 Months from issue of LOA.
13	Gas Turbine Combine Cycle Power Project at Anguri	Anguri Sivasagar	Gas	3x250	24 Months from issue of LOA.
TOTAL				4582.50	

**5. Observation and Recommendation::**

The committee thoroughly discussed the investment done in APDCL and the schemes taken to reform the sector. The committee observed that there is a mismatch between the investment done in the sector and the production gained out of it. The committee recommends that APDCL should be made more efficient and professional. The committee recommends that within 31 March, 2020 APDCL shall give 100% electrification to every household in Assam.

The committee further observes that inefficiency and malpractices such as inflated electricity bills and arbitrary practices against the customers has become common in APDCL and the committee recommends that these kinds of activities must stop. **Action taken;**

With implementation of Revamped Distribution Sector Scheme (RDSS) and Externally Aided Projects (EAP) such as Asian Infrastructure & Investment Bank (AIIB), APDCL has proposed to decrease the AT&C losses of the Company by 2024-25 as per the following trajectory-

Parameter	2021-22	2022-23	2023-24	2024-25
AT & C Loss	17.30%	16.50%	15.8%	13.5%

In order to achieve the above trajectory, APDCL proposes to undertake the following works under RDSS and AIIB Projects in the coming years:

- 1) Smart Metering for all consumers in Prepaid mode.
- 2) Aerial Bunched (AB) Cable Installation.
- 3) Installation of High Voltage Distribution System (HVDS).
- 4) Bifurcation of Feeders.
- 5) Reconductoring of Feeders.
- 6) New 33/11 kV Distribution Substations, 33 kV Lines, 11 kV Lines, DTRs.
- 7) Strengthening & Modernization of sub-stations and sub-transmission network.

Further, As per timeline of REC Ltd., all household in the State of Assam are to be electrified within 31.12.2021 following the guidelines of DDUGJY /Saubhgya. Accordingly, all eligible households in all revenue villages except for the revenue villages with PGR, VGR and eroded status are provided with electrification. Also, all households non-migratory in nature are provided with electrification as per MOP, GOI guidelines.

APDCL has taken various steps to stop delivery of incorrect bills. To ensure delivery of accurate electricity bills on actual meter reading to the customers, APDCL has implemented following steps:

- a) Installation of Smart Meters for automatic meter reading and preparation of bills for consumers without manual intervention.
- b) Installation of Prepaid Smart Meters for supplying electricity in prepayment mode for better accountability.
- c) Implementation of Artificial Intelligence (AI) based spot reading and preparation of bills to the consumers. In this process, the meter reader takes the photo of the reading displayed in the meter with his Smartphone. The AI system then extracts the reading from the photo taken and populates the reading in the software and the bill is processed. This feature eliminates the human error in collecting meter readings and helps in preparation of accurate electricity bills.

#### **6.Observation and Recommendation:**

The Committee recommends that grid connectivity shall be ensured to the inhabitants of 17 nos. of villages in Char areas of Baghbar LAC through construction of tower lines at two points namely, (1) Dalguma-Chaysimana and (2) Dekdhuwa Uzirachar to cross river Jaljali.

#### **Action taken:**

The ongoing AEGCL project of 'Construction of 132/33 kV, 2x25 MVA Barpeta sub-station with LILO of 132 kV Dhaligaon - Nalbariline at Barpeta sub-station' will not only improve the power position of Barpeta District and its surroundings but also fulfil the objective of the proper utilization of investment against the project.

The work of "Construction of 132 KV Barpeta GSS and Construction of 132 KV LILO to Barpeta from Dhaligaon Nalbari Line" are currently under progress and around 94% of work has been completed. All the foundation works of the transmission line has been completed and erection and stringing works are in progress. The work is targeted to be completed by April 2022. The Construction of 132/33 KV Barpeta GSS has been completed and presently back charged at 33 KV voltage level.

#### **7.Observation and Recommendation;**

The committee recommends that two numbers of 33/11 KVA Substations (2x5 MVA for each) at Milijuli and Baghmara Char under Baghbar LAC shall be constructed immediately for quality power supply.

#### **Action taken:**

APDCL has taken up 1 (one) no. of 2x2.5 MVA Substation at Baghmara Char under Baghbar LAC under AIIB scheme.

Also, it is worthwhile to mention that already there is 1(one) [1x2.5 MVA and 1x 5 MVA] Substation in Mandya and that is 12 Kms (approx) from Milijuli area and power is already fed from Mandya Substation through Satra Feeder.

Moreover, power quality supply will be amplified after commissioning of 2x25 MVA Grid Substation at Barpeta, which is expected to be commissioned by April 2022.

#### **8.Observation and Recommendation;**

The Committee observes that the construction and completion of 132 kV Grid sub-station at Barpeta is abnormally slow. The committee therefore strongly recommends that the said substation at Barpeta shall be completed on war footing within a period of three months.

**Action taken:**

The work of "Construction of 132 KV Barpeta GSS and Construction of 132 KV LILO to Barpeta from Dhaligaon Nalbari Line" are currently under progress and around 94% of work has been completed. All the foundation works of the transmission line has been completed and erection and stringing works are in progress. The work is targeted to be completed by April 2022. The Construction of 132/33 KV Barpeta GSS has been completed and presently back charged at 33 KV voltage level.

**9.Observation and Recommendation:**

The committee observed that around 10% (27000Kms approx.) of total LT Lines have been converted/constructed or taken up to be constructed/converted to AB cable under different schemes like IPDS, Saubhagya, DDUGJY, SOPD, etc., conversion of HT lines to Medium Voltage Covered Conductor(MVCC) lines have been only recently taken up in APDCL for dedicated tea feeders and animal corridors in

Kaziranga and Tinsukia area.

The Committee recommends for conversion of LT /HT conductors with AB cables in the flood prone, low lying and hazard area at the earliest to ensure safety and to avoid any electrocution.

**Action taken:**

Around 29000 kms of LT /HT lines have been converted, under construction or taken up to be constructed/converted to AB cable under different schemes like IPDS, Saubhagya, DDUGJY, SOPD, etc., conversion of HT lines to Medium Voltage Covered Conductor(MVCC) lines.

Further, under ROSS Scheme, APDCL has proposed to replace existing wire/cable throughout Assam with Aerial Bunched (AB) Cables. A total of 13497 Circuit Kilometers of Low Tension lines will be replaced with AB Cables within 31.03.2024 under ROSS.

Moreover, under HVDS of AIIB Projects new LT line and replacement of existing bare conductor by AB cable has been proposed.

**10. Observation and Recommendation:**

The Committee observed that there are a considerable number of villages/household under SAUBHAGY A scheme yet to be electrified which falls in the char, NC areas.

The Committee recommends for 100% electrification within March 2022.

**Action taken:**

As per timeline of REC Ltd., all household in the State of Assam are to be electrified within 31.12.2021 following the guidelines of DDUGJY /Saubhgya. Accordingly, all eligible households in all revenue villages except for the revenue villages with PGR, VGR and eroded status are provided with electrification. Also, all households nonmigratory in nature are provided with electrification as per MOP, GOI guidelines.

**11. Observation and Recommendation:**

The Committee observed that for replacement of defective meters requires around 2-3 months time.

The Committee recommends that APDCL should replace the defective meters of the consumers immediately within a period of 3 days.

**Action taken:**

Governing regulation provides for a time period of 3 months for replacement of defective meter. The timeline is set with due consideration of production line of meters. It needs mention here that, keeping buffer stock of meters for replacement require additional financial involvement of around Rs. 100 crore on regular basis. Apart from this, there is also risk of obsolescence with adventment of new technologies and policy amendment. APDCL may be allowed to operate as per the timeframe set in the governing regulation.

**12. Observation and Recommendation:**

The committee observed that an important measure of the health of the state's electric power sector is aggregate technical and commercial losses (AT & C), which measure line losses from transmission and distribution equipment, power theft, billing and collection inefficiencies and customer's liability to pay APDCL's AT & C losses are currently 21-68 percent.

The Committee recommends APDCL would target AT&C losses of 18-15 percent by 2024 with the implementation AIIB and Revamp projects.

**Action taken:**

With implementation of Revamped Distribution Sector Scheme (RDSS) and Externally Aided Projects (EAP) such as Asian Infrastructure & Investment Bank (AIIB), APDCL has proposed to decrease the AT&C losses of the Company by 2024-25 as per the following trajectory.

Parameter	2021-22	2022-23	2023-24	2024-25
AT & C Loss	17.30%	16.50%	15.8%	13.5%

In order to achieve the above trajectory, APDCL proposes to undertake the following works under RDSS and AIIB Projects in the coming years:

- 1) Smart Metering for all consumers in Prepaid mode.
- 2) Aerial Bunched (AB) Cable Installation.
- 3) Installation of High Voltage Distribution System (HVDS).
- 4) Bifurcation of Feeders.
- 5) Reconductoring of Feeders.
- 6) New 33/11 kV Distribution Substations, 33 kV Lines, 11 kV Lines, DTRs.
- 7) Strengthening & Modernization of sub-stations and sub-transmission network.

**13. Observation and Recommendation:**

The committee observed that there is gap in collection of electricity bills by the collection based distribution franchise appointed by APDCL.

The Committee therefore recommends strengthening the electricity bill collection system and making it more transparent. The committee further recommends that the CBDF system should be abolished gradually and the bill collection shall be taken up the department itself.

**Action taken:**

In strict adherence to the recommendation, APDCL is carrying out physical verification of all franchises across the state. Any franchisee found 'in default are immediately terminated and operation of the franchised area is taken over by APDCL. With proposed recruitment, it is expected that APDCL will be able to maintain without any franchisee in future.

**14. Observation and Recommendation:**

The Committee recommends that the department should upgrade the electricity line of the Janani Path area of Kalyani Nagar, Kahilipara, Guwahati to 3 (three) phase electricity line as well as a new transformer be installed separately for the Janani Path area of Kalyani Nagar, Kahilipara, Guwahati.

**Action taken:**

The proposal has been proposed in the Budget 2022-23, under SOPD towards Strengthening of Distribution Network, the said work will be undertaken after the approval of budget and issue of Administrative approval in the FY 2022-23.

**15. Observation and Recommendation:**

The Committee recommends for construction of new sub-station Power House at Bhairabkunda, Udalguri and Shyampur/Arimari, Darrang under Dalgaon revenue circle.

**Action taken:**

In Bhairabkunda, Udalguri area a nearest 33/11 kV Soanigaon Substation has been proposed under AIIB projects and work order has been issued and work is in progress.

Further, in Shyampur/Arimari, Darrang area 33/11 KV Substation was proposed under AIIB. Due to the construction of educational institution in the Substation land and the obstruction of local people the said Substation is proposed to divert in Kuamari, Mangaldoi, Darrang area under AIIB and the concurrence from AIIB is yet to be receive.

**16. Observation and Recommendation:**

The Committee recommends for replacement of existing Bamboo/Wooden poles in HT/LT Network of APDCL in the entire state within a period of three months.

**Action taken:**

APDCL has identified 62004 nos. of bamboo poles carrying LT distribution lines across the state. So far, 50865 nos. of bamboo poles have been replaced under different circles of APDCL and the replacement of balance 11,139 nos. is expected to be completed within June'2022.

**17. Observation and Recommendation:**

The Committee recommends that the AB cable should replace the existing wire/ cable throughout Assam at the earliest.

**Action taken:**

Around 29000 kms of LT /HT lines have been converted under constructed or taken up to be constructed/ converted to AB cable under different schemes like IPDS, Saubhagya, DDUGJY, SOPD, etc., conversion of HT lines to Medium Voltage Covered Conductor(MVCC) lines.

Further, under ROSS Scheme, APDCL has proposed to replace existing wire/cable throughout Assam with Aerial Bunched (AB) Cables. A total of 13497 Circuit Kilometers of Low Tension lines will be replaced with AB Cables within 31.03.2024 Under RDSS.

**18. Observation and Recommendation:**

The Committee recommends the Department that the system of allotment of DTR should be continued constituency wise.

**Action taken:**

In the FY 2021-22, APDCL has issued work order for 4207 nos. of new DTR, 32 Nos of DTRs per LAC is allotted and total 657 nos. of DTRs received till date.





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**ACTION TAKEN REPORT ON OBSERVATIONS AND RECOMMENDATIONS OF THE HONOURABLE, 'DEPARTMENTALLY RELATED STANDING COMMITTEE (DRSC)' ON POWER (E) DEPARTMENT, BASED ON THE 23<sup>rd</sup> REPORT (GRANT NO. 62) OF THE COMMITTEE.**

**MEETING HELD ON 15.02.2022.**

**Assam Electricity Grid Corporation Limited (AEGCL)**

1) **Observations:** The committee observed that there is constant low voltage power supply in and around areas at Baghbar LAC, under Barpeta district.

**Recommendations:** Hence, the Committee recommended to complete the balance remaining works of the ongoing AEGCL project of 'Construction of 132/33 kV, 2x25 MVA Barpeta sub-station with LILO of 132 kV Dhaligaon – Naibari line at Barpeta sub-station' by March, 2022, which will not only improve the power position of Barpeta District and its surroundings but also fulfil the objective of the proper utilization of investment against the project.

**Action Taken:** The work of "Construction of 132 KV Barpeta GSS and Construction of 132 KV LILO to Barpeta from Dhaligaon Naibari Line" are currently under progress and around 90% of work has been completed. The Construction of 132/33 KV Barpeta GSS has been completed and presently back charged at 33 KV voltage level. All the foundation works of the transmission line has been completed and erection and stringing works are in progress. The work is targeted to be completed by April 2022. However, location no 60 is a difficult site as it is in the midst of a heavy waterbody. Hence, considering the erection of this tower and for erection of balanced towers and stringing works, it shall require additional 3 months for completion. However, the contractor has been vehemently requested to squeeze the completion timeline.

2) **Observations:** The committee observed that there is constant low voltage power supply and load shedding in and around areas at Lakhipur, South Salmara and Mankachar.

**Recommendations:** Hence, the Committee recommended to complete the balance remaining works of the ongoing AEGCL project of 'Construction of 132 KV Hatsingimari sub-station and 132 KV S/C Agia-Hatsingimari line on D/C tower' by March, 2022, which will bring the power feeding system of distribution network of the concerned areas under AEGCL grid network and also remove uncertainty of power feeding. It will further help to improve system voltage profile, system reliability & stability and will reduce load shedding in the concerned areas.

**Action Taken:** The work of "Construction of 132 KV GSS at Hatsingimari and 132 KV S/C line on D/C tower from Agia to Hatsingimari" is currently in progress and around 87% of the work has been completed. Regarding, forest clearance of 4.563 hectares of forest land from Govt of Meghalaya, Stage 1 clearance has been received and payment has been deposited. Stage 2 clearance from regional office Ministry of forest and environment Govt of India is now awaited. Also, RoW issues were observed at tower location No. 120/2 and the span between tower locations 124/0 and 125/0 which is under the Govt. Of Meghalaya. The matter has been taken up with DC, Tura, Meghalaya for which clearance is yet to be received.

3) **Observations:** The committee observed that the budgetary provision for F.Y. 2021-22 against various schemes of AEGCL, under SOPD, is nearly sufficient for carrying on ongoing works. The regular Budget Provision 2021-22 against various schemes of AEGCL are as follows-

- i. SOPD-G (Normal Work Component) = Rs. 18.00 crore
- ii. SOPD-ODS (Book Adjustment for Conversion of Loans & Grants into Equity) = Rs. 2074.7680 crore



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The committee however observed that, for undertaking new projects and effectively completing the ongoing projects on time, further budgetary provision would be necessary against the said schemes.

**Recommendations:** The committee recommended placing additional demand for funds under SOPD scheme in the Supplementary Budget demand for F.Y. 2021-22. The additional requirement of funds would be as such-

- i. SOPD-G (Normal Work Component) = Rs. 86.0184 crore
- ii. SOPD-ODS (Book Adjustment for Conversion of Loans & Grants into Equity) = Rs. 518.692 crore

**Action Taken:**

- i) During regular budget 2021-22, an amount of Rs. 18.00 Crore was provisioned for 4 nos. of projects under the SOPD-G (Normal work component) scheme, against a budget estimate of Rs. 104.0184 Crore. Hence, the balance amount of Rs. 86.0184 Crore was placed during winter session S.D. budget demand 2021-22, but the same was not approved.

Moreover, AEGCL has also submitted Budget Estimate of Rs. 20.00 crore under SOPD-G (Normal work component) scheme, for the F.Y. 2022-23.

- ii) During regular budget 2021-22, an amount of Rs. 2074.7680 Crore was provisioned for the SOPD-ODS (Book Adjustment for Conversion of Loans & Grants into Equity) scheme, against a budget estimate of Rs. 2593.46 Crore. Hence, the balance amount of Rs. 518.6920 Crore was placed during winter session S.D. budget demand 2021-22 and accordingly approved.

Accordingly Cabinet approval was given by the Government of Assam for 'Book Conversion of Government Loans and Grants to AEGCL into equity up-to 31.03.2021', total amounting to Rs. 2593.46 crore (Rs. 638.41 crore as loans + Rs. 1955.05 crore as grants).

- 4) **Observations:** The committee observed that AEGCL is implementing the EAP scheme, 'Enhancement of Intra State Transmission System of Assam', funded by Asian Infrastructure Investment Bank (AIIB), that will include- a) Construction of about 24 new extra high voltage grid substations, b) Up-gradation of about 14 existing substations. For the F.Y. 2021-22, an amount of Rs. 180.00 crore has been earmarked against total budget estimate of Rs. 501.29 crore, in the Regular Budget 2021-22.

**Recommendations:** The committee recommended for placing of additional budget demand in the Supplementary Budget Demand 2021-22, for an amount of Rs.321.29 crore (Rs. 501.29 crore – Rs. 180.00 crore), for effective implementation of the scheme,

**Action Taken:** AEGCL accordingly placed Supplementary Budget Demand for an amount of Rs. 55.6941 crore in the winter session Assembly of 2021-22, based on actual fund requirements for the F.Y. and out of which Rs. 11.3214 crore was approved for the same.

Moreover, AEGCL has also submitted Budget Estimate of Rs. 374.1525 crore against the EAP scheme for the F.Y. 2022-23.



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5) **Observations:** The committee observed that, in respect to 'Contribution to ASEB Pension Trust Fund', the estimated deficit for F.Y. 2021-22 is Rs. 365.16 crore and against which a provision of Rs. 292.00 crore was made in the Regular Budget 2021-22.

**Recommendations:** The committee recommended AEGCL to propose the balance remaining yearly deficit amount, i.e., Rs. 73.16 crore (Rs. 365.16 crore – Rs. 292.00 crore), in the Supplementary Budget demand for F.Y. 2021-22.

**Action Taken:** The estimated deficit for the FY 2021-22 was Rs. 365.16 Crores, against which GoA has made a Budgetary Provision of Rs.292 Crores in the regular Budget. For the remaining amount of Rs. 73.16 Crores (Rs.365.16-Rs.292), Supplementary Budget Demand was placed in the Winter session of the Assam Legislative Assembly, but it was not considered.

Moreover, for the FY 2022-23, ASEB Pension Trust has submitted a Budget Estimate of Rs.404.70 Crores to the Government of Assam vide letter dated 28/01/2022.

**ACTION TAKEN REPLY TO THE OBSERVATIONS & RECOMMENDATIONS OF THE HON'BLE DEPARTMENTALLY RELATED STANDING COMMITTEE (DRSC) ON POWER (E) DEPARTMENT BASED ON THE 22ND REPORT (GRANT-62) OF THE COMMITTEE MEETING HELD ON 24-07-2021.**

**(A) About APGCL**

Assam Power Generation Corporation Ltd. (APGCL) was constituted after unbundling of ASEB in Dec 2004 through State Power Sector Reforms Program under the provision of Electricity Act '2003. The final Transfer scheme was implemented on Aug'2005 with a new Company Balance Sheet w.e.f. April 2005. The company is mainly responsible for maximum energy generation to meet up the energy demand in the state. The Total Installed Capacity of APGCL is 443.2 MW.

The present installed capacity mix of APGCL is as follows:

**Current Generation Mix**

**Hydro**

**Gas**

**(B) Operational Power Plants of APGCL**

Sl. No	Power station	Installed capacity (MW)
1	Namrup Thermal Power station (NTPS)	64.5
2	Namrup Replacement Power Project Phase-I	98.4
3	Lakwa Thermal Power station (LTPS)	97.2
4	Lakwa Replacement Power Project (LRPP)	70

5	Karbi Langpi Hydro Electric Project (KLHEP)	100
6	Myntriang SHEP Stage-I & Stage-II (MSHEP -I & II)	13.5
<b>Total</b>		<b>443.2</b>

**(C) Ongoing Power Projects of APGCL:**

The major initiatives undertaken by APGCL to increase the power generation capacity are as follows:

- 120 MW Lower Kopili Hydro-electric Project  
(Construction has already started)
- 70 MW Amguri Solar Project  
(Expected completion in Dec' 2021)
- 25 MW Namrup Solar Project  
(EPC contract finalised. Awaiting BOD approval)
- 24 MW Karbi Langpi Middle Stage-II  
(DPR prepared/Statutory Clearances awaited/under process)
- 22.5 MW Karbi Langpi Middle Stage-I  
(Statutory Clearances awaited/under process)

**Total Capacity under on-going projects: 261.50 MW**

**Total installed capacity of APGCL after completion of the on-going projects including the already running projects will be 704.7 MW.**

In order to bridge the gap between demand and generation of power in the state, APGCL is planning to implement the following projects.

**(D) PROJECTS IN PIPELINE:**

- 2x800 MW Margherita Coal Based Thermal Project.  
(DPR prepared. Coal linkage not received as on date.)
- 100 MW Namrup Replacement Power Project (NRPP) Phase-II.  
(DPR preparation under process. Firm commitment for Gas linkage awaited.)
- 100 MW Namrup Gas Engine Project  
(DPR preparation under process. Firm commitment for Gas linkage awaited.)

- 60 MW Sonbeel Floating Solar Project. (In Preliminary Investigation stages.)
- 20 MW Majuli Solar Project  
(DPR prepared and to be placed in the next BOD meeting.)
- 11 MW Chandrapur Waste to Energy Project.  
(Draft DPR prepared.)

**Total Capacity under projects in pipeline: 1891.00 MW**

**(E) PROJECTS ENVISAGED UNDER NATIONAL GAS GRID (NGG)**

**I. NATIONAL GAS GRID**

GAIL has been authorized to construct the 2655 KM long Jagdishpur-Haldia- Bokaro-Dhamra Pipeline(JHBDPL). GAIL is further extending this JHBDPL project to Guwahati by laying the 721 KM long Barauni- Guwahati pipeline under the prestigious "Urja Ganga " project to connect the North Eastern Region (NER) with the National Gas Grid. It is expected to be completed by 2021. This pipeline will ensure availability of clean and eco friendly fuel to the power sector, transport sector, industry sector etc.

**II. INDRADHANUS (NORTH EAST GAS GRID PROJECT)**

The North East Gas Grid project is being implemented by Indradhanush Gas Grid Ltd (IGGL), a Joint Venture company of five CPSEs (GAIL, IOCL, ONGC, OIL and NRL). The total length of the pipeline is planned to be 1,656 km and will be built at an estimated cost of Rs. 9,265 crore (Including interest during construction). It will cover eight states of the North-Eastern region i.e., Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. The Cabinet Committee on Economic Affairs has approved a Capital Grant as the Viability Gap Funding (60%) to IGGL for setting up the North East I Gas Grid which will get the natural gas supply from NGG under Urja Ganga project.

APGCL desires to utilize the above sources of gas for augmentation of its power generation capacity by setting up gas based power projects at different locations in the state in phased manner as follows:

Sl. No.	Project with location	Nominal Capacity in MW	Gas requirement in MMSCMD
<b>A. National Gas Grid from Barauni to Guwahati (1<sup>st</sup> Phase)</b>			
1	Gas Based power project at Chandrapur in Kamrup District.	3 x 250 MW	3.25

2	Gas Turbine Combined Cycle Power project at Lower Assam.	4 x 250 MW	4.25
Requirement of Gas			7.50
<b>B. National Gas Grid from Guwahati to Upper Assam(2<sup>nd</sup> phase)</b>			
3	Gas Turbine Combined Cycle Power project at Amguri in Sivasagar District	2 x 250 MW	2.25
TOTAL		2250 MW	
Requirement of Gas			2.25
Total Requirement of Gas			9.75

**WASTE TO ENERGY PROJECTS:**

Development of Waste to Energy projects will help in the management of municipal solid wastes and also provide clean energy, thereby contributing in the protection of the environment.

**(F) ISSUES AND CHALLENGES**

Some of the specific challenges faced while implementing new projects are elaborated as follows:

- i. **Fuel Availability:** Allocation/supply constraints for coal and gas remain the key hindrance while developing thermal power projects. Firm allocation or assurance for the required quantity has not been received by APGCL. Without a firm assurance APGCL cannot go ahead with any project because of the funding constraints.
- ii. **Land Acquisition and Environment Clearance:** Land Acquisition poses an increasingly significant challenge in the electricity sector. Power plants and utilities face major constraints and delays regarding the availability of land and obtaining the requisite environmental and other statutory clearances for the projects.
- iii. **Location Disadvantage:** For Hydro Electric Projects, they are located in far flung areas having very little infrastructure and communication facilities. Also, issues like Non-Availability of Grid Power during Construction phase, lack of proper approach road and problems in Evacuation of power poses major challenges besides increasing the overall project cost substantially.
- iv. **Water Resources:** In Assam, barring the two hill districts of Dima Hasao and Karbi Anglong, availability of natural rivers for developing medium and big hydro power

projects is scarce. As per surveys carried out in recent times, small projects at the kW level are available which are not economically feasible.

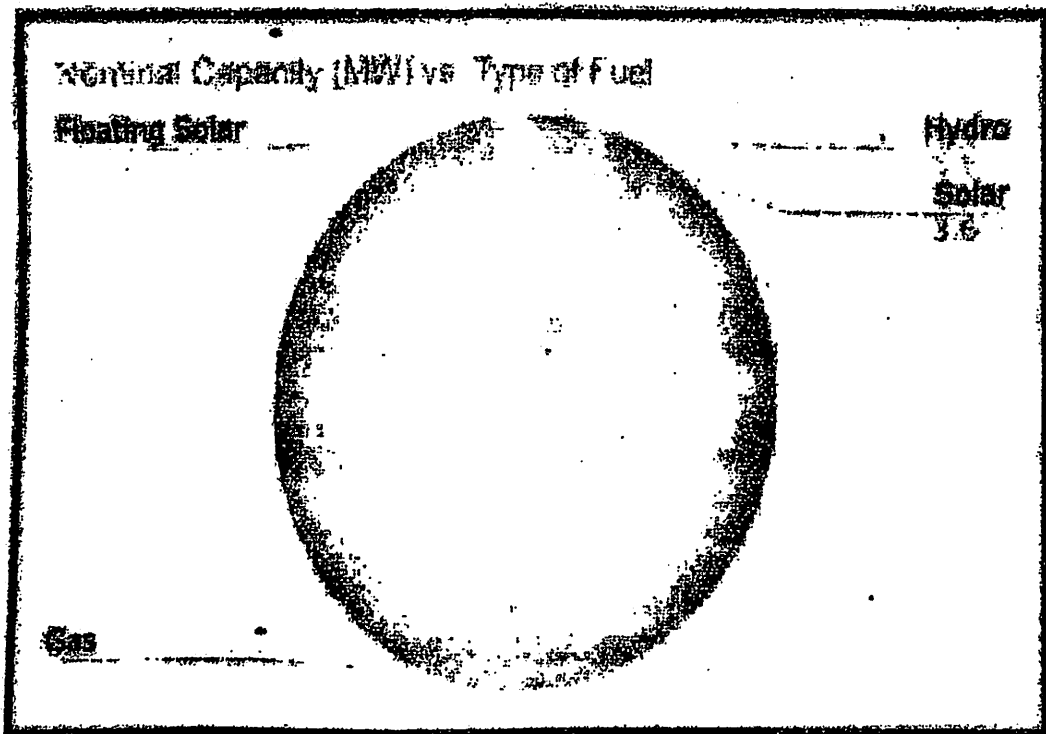
APGCL is actively working on the roadmap to increase its generation capacity to approx. 5000 MW by 2030 subject to the issuance of all statutory clearances and availability of the fuel allocation from the concerned authorities. The projected capacity along with the timelines for the completion of the projects is tabulated as follows:

Sl. No.	Project Name	Location	Type	Nominal Capacity (MW)	Projected completion time
1.	Lower Kopili Hydro Electric Project	Lonku, Dima Hasao	Hydro	120	June, 2024
2.	Amguri Solar Park	Amguri, Sivasagar	Solar	70	Jan, 2022
3.	Namrup Solar Project	Namrup, Dibrugarh	Solar	25	12 months from issue of LOA.
4.	Karbi Langpi Middle Stage-II	Morinto, Karbi Anglong	Hydro	24	36 months from issue of LOA.
5.	Karbi Langpi Middle Stage-I	Morinto, Karbi Anglong	Hydro	22.5	36 months from issue of LOA.
6.	Margherita Thermal Power Project	Margherita, Tinsukia	Coal	2x800	60 months from issue of LOA.
7.	Namrup Replacement Power Project Phase-II	Namrup, Dibrugarh	Gas	100	36 months from issue of LOA.
8.	Namrup Gas Engine Power Project	Namrup, Dibrugarh	Gas	100	24 months from issue of LOA.
9.	Sonbeel Floating Solar Project	Sonbeel, Karimganj	Floating Solar	60	18 months from issue of LOA.
10.	Majuli Solar Power Project	Majuli	Solar	20	12 months from issue of LOA.
11.	Chandrapur Waste to Energy Project	Chandrapur, Guwahati	Municipal Solid Waste	11	24 months from issue of LOA.



12.	Chandrapur Gas Based Power Project	Chandrapur, Sonapat	Gas	2 x 250	28 months from issue of LOA.
13.	Gas Turbine Combined Cycle Power project at Lower Assam.	Lower Assam	Gas	4 x 250	26 months from issue of LOA.
14.	Gas Turbine Combined Cycle Power project at Angul	Angul, Bhubaneswar	Gas	2 x 250	26 months from issue of LOA.
Total				4652.5	

(c) Pie chart of energy mix against planned generation capacity till 2030.



**A number of essential schemes were proposed under the Normal work component (APDCL) against SOPD 2022-23. These were:**

**Normal Work Component (APDCL)**

- i)"Integrated Power Development Scheme" (IPDS) Counterpart Fund.
- ii)Installation of DTR fencing in vulnerable locations as safety measure.
- iii)Procurement of DTR Test Benches and Conductor Test Set up for each region (LAR/UAR/CAR) along with civil works for setting up of the same.
- iv)Strengthening of distribution network and infrastructure development.

**OTHER PROJECTS:**

**2.Procurement, installation, augmentation and repair of distribution & power transformer along with lines, fittings and necessary civil works:** The scheme for "Procurement, Installation, Augmentation and Repair of Distribution & Power transformer along with lines, fittings and necessary civil works" has been proposed under SOPD 2022-23.

**3.Assured 24 Hours Electricity Supply in Kaziranga, Kamakhya, Soalkuchi, Tezpur, Manash, Pobitora & Majuli:** This scheme aims at building a good infrastructure including uninterrupted power supply to some places of tourist attraction in the state of Assam (viz.Kaziranga, Kamakhya, Suwalkuchi, Tezpur, Manash, Pobitora and Majuli). This objective is proposed to be achieved by selective investment to improve and augment the electrical power supply to these places by constructing dedicated feeders for 24x7 Power Supply. In addition, the project aims at enhanced system reliability and redundancy thereby provide better consumer services.

**4.Electrification of Anganwadi Centres and Primary Schools:** This scheme is a flagship scheme. 48231 nos. of Anganwadi Centres and 13503 nos. of Pimary centres (both On-Grid and OffGrid) will be electrified.

**5.Procurement of meters (Implementation of Smart Metering in Selected Distribution Transformers (DTRs) for automatic DTR wise Energy Audit in APDCL):** With the successful implementation of the DTR Smart Metering Project across APDCL, needful steps can be taken at the loss incurring areas towards reduction of AT&C Losses. This apart, DTR Metering shall enable APDCL to:

(i)Monitor Real time Energy auditing, target and responsibility fixing at field level to achieve maximum billing and collection, immediate identification of feeders with technical losses and, theft of power.

(ii) Identify the loss making areas and taking remedial measures for reduction of loss. (iii) Energy accounting and localization of Losses up to LT level.

(iv)Post DTR metering, several loss reduction measures viz. Feeder Segregation, LT to AB cable conversion, HVDS System etc. may be introduced in the areas reeling with high losses.

**6.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.

**7.State Share component of RDSS infrastructure work- loss reduction implemented:**

Revamped Distribution Sector Scheme (ROSS) 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 ROSS Infrastructure Works- Loss Reduction, for Assam as a special category state, is as follows: Project Cost: - Rs.257054.00 lakh

**8.Externally aided projects:** 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 140 locations.

**Projects to be undertaken by AEGCL in FY 2022-23**

a) State support to Execute the project under "Power System Development Fund (P,S,D,F)" of the Govt. of India.

Execution of the project was taken up under Annual Plan 2016-17 funding and the project is in already in progress. An amount of 3704,365 lakh has already been released in three installments. An amount of,350.00 lakh is now required under SOPD-G in FY 2022-23. Balance amount shall be proposed in the next F.Y,

**b) Augmentation Of 2x100 MVA, 220/132 KV Rangia GSS By 2x200 MVA Auto-Transformer**

Total amount of 2447.00 lakh is required to complete the project. Proposal for 1000.00 lakh is submitted under SOPD-G 2022-23. Balance amount shall be proposed in the next F.Y,

220/132 KV Rangia GS caters load demand of several 132/33 KV GSS viz. Nalbari, Sipajhar, Kamalpur and Bamagar. During the peak load, both the 100 MVA transformers get loaded almost up-to full capacity. Since load demand is increasing sharply with growing economic activity, it is necessary to augment the transformation capacity of the substation. Considering the prospect of load growth, augmentation from existing 2x100 MVA to 2x200 MA shall be required to meet the load demand in upcoming 5-7 years.

**c) Revival of 132 kV Srikona - Panchgram Line**

Total amount required to complete the project is 300.00 lakh. Proposal for an amount of 100.00 lakh is placed under SOPD-G 2022-23. Balance amount shall be proposed in the next F.Y.

For enhancing the power scenario in the Barak Valley region, it is necessary to revive the 132KV Srikona - Panchgram Line. The line has been non-functional for a long time. The revival of the line shall all lead to an increase in the availability factor of AEGCL

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

Total amount required to complete the project is 1111.97 lakh. Proposal for 500.00 lakh is submitted under SOPD-G 2022-23. Balance amount shall be proposed in the next F. Y,

The urgent requirement of stringing of 2nd circuit of 132 kV Nazira-Jorhat feeder to meet the real time load requirement and reliability improvement in the districts of Jorhat, Sivasagar and part of Golaghat. Under normal condition power to 132KV Garmur GSS-

Panisokhuwa - Bokakhat GSS flows from 132KV Nazira GSS via 132KV Nazira-Teok-Garmur S/C Line and 132KV Garmur - Mariani DIC Line from 220KV Mariani GSS. The total peak load of 91MW at 132KV Garmur GSS flows through the 132KV Nazira-Teok-Garmur SIC line and 132KV/ Garmur-Mariani DIC Line. In case of any schedule preventive maintenance or breakdown maintenance of the 132KV Garmur-Mariani D/C Line, the total peak load has to be supplied through the 132KV Nazira-Teok-Garmur SIC Line. During the shut-down of the 132 kV Jorhat-Mariani DIC Line, there has been a forced load shedding of around 20 MW (during peak hours) due to increase in load on the 132 kV Nazira-Teok-Jorhat SIC Feeder. So, the stringing of 2nd circuit of the 132 kV Nazira-Jorhat Line is critical for reliability of the power flow under abnormal situations.

**e) Construction of 132kV Line Bay at 132kV APM GSS along with Extension and Strengthening of the Bus System**

Total amount required to complete the project is 350.00 lakh. Proposal for an amount of 50.00 lakh is submitted under SOPD-G 2022-23 for the Bus Augmentation /Strengthening works to be undertaken in this F .Y. Balance required for the bay construction shall be proposed in the next F.Y.

The Central Govt is building a Logistics Park at Jogighopa and a requirement of a dedicated 132k/ Bay has been cited from the nearest substation i.e., 132kV APM GSS. The construction of this bay shall require extension of the existing bus. Also, the bus and the gantry system is already under stress due to the excessive load of the existing bus conductors. Thus, the construction of the new bay alongwith the Bus extension and augmentation is very critical to supply power to the upcoming Logistics Park and for reliability of power supply in the region.

**h) State support to the ASEB Employees Pension Fund Investment Trust**

ASEB Employees Pension Fund Investment Trust is a common Trust of all the three successor companies of erstwhile ASEB and it takes care of all the Terminal Benefit liabilities of employees joining prior to 01.01.2004.

At the time of unbundling of former ASE, the Government of Assam vide Notification No.PEL.190/2004/69 dated 04/02/2005 had notified sources for funding of past unfunded liabilities and committed to provide Budgetary Support to meet any shortfall.

For the FY 2022-23, ASEB Pension Trust has submitted a Budget Estimate of Rs.404.70 Crores to the Government of Assam vide letter dated 28/01/2022.

**i) Works under AIIB funded project "Enhancement of Intra State Transmission System of Assam"**

**Central Share:**

For Phase-I, the Project Agreement was signed between GoA, AIIB & AEGCL on 23/02/2021 and Loan Agreement was signed between DEA and AIIB on 23/02/2021. Moreover, effectiveness of the loan has also been declared on 19/05/2021.

Out of 15 packages, contracts against 9 packages have been effective while mobilisation advance amounting to Rs. 39.97 Crores has been released against 7 packages. Mobilisation Advance amounting to Rs. 26.86 Crores against 2 packages are to be released when requisite fund is available.

For FY 2022-23, a proposal for an amount of Rs. 30212.00 Lakhs against Regular Budget has been placed.

**State Share:**

In Ph-I, Master plan for Construction of 440 KV Rangia and 132/33 KV Kumarikata AIS is completed. Route survey has also been completed. Route survey for Construction of 400 KV Sonapur GIS is completed. Master Plan approval is in process. Tender Evaluation for 1 package (Conversion of AIS to GIS at Gohpur) is under process.

As of now, 18% of Mobilization Advance raised against 04 (Four) packages has been released. 18% of supply bills raised till date against Augmentation of Transmission line by HTLS has been released.

The PMC is in service and are conducting E&S and civil related site visits, review of drawings and preparation of E&S documents and progress reports.

For FY 2022-23, a proposal for an amount of Rs. 7203.25 Lakhs against Regular Budget has been placed.

**Grant No.62.**  
**Power (Electricity) Department**  
**Observation and Recommendation**

1. The committee reiterates its earlier recommendations of providing uninterrupted power supply to the consumers who pay their electric bills regularly and replacement of DTR shall in no case be deferred for pending bill of other irregular payee. Instead, electric lines shall be disconnected to the consumers who do not pay their bills regularly, preferably immediately after the due date is over in a particular month.
2. The committee recommends that electric connection to every household in the state shall invariably be completed within 31<sup>st</sup> March/2023.
3. The committee took strong exception to the fact that incorrect information were provided by the department to the committee in respect of construction of tower lines at two points, namely, (1) Dalguma-Chaysimana and (2) Dekdhuwa-Uzirarchar to cross river Jaljali in Barpeta and Goalpara district.

The committee recommends compliance of its recommendation within a period of 6 months and submit action taken report to the committee.

4. The committee recommends that tower-line shall also be constructed at Shewrabhita to Balajan at Baghbar under Barpeta district on priority.
5. In view of commitment of the department in the meeting of the committee regarding construction of 33/11 KVA sub-station (2x5 MVA) at Milijuli under Barpeta district, the committee recommends that construction of the same shall be completed within 31<sup>st</sup> March/2023.
6. In view of commitment of the department in the meeting of the committee regarding completion of 132/33 kv, 2x25 MBA Barpeta Sub-station within 30<sup>th</sup> April/2022, the committee strongly recommends of compliance of the commitment.
7. The Committee recommends that APDCL should be allotted Govt. land to set up Solar Power Plant.
8. The Committee observed that there are a considerable number of villages/household under SAUBHAGY A scheme yet to be electrified which falls in the char, NC areas.

Therefore, committee recommends APDCL should be given budgetary support to complete the left out BPL households connections.

9. The Committee recommends that APDCL should come up with one time settlement scheme to recover arrears and to waive off surcharge for all consumers with Budgetary Support from the Government for the loss of revenue in this exercise.
10. The committee recommends that 33/11 KVA Substations Baghmara Char under Baghbar LAC shall be constructed immediately for quality power supply.
11. The Committee recommends that the department should upgrade the 11kV line of the Janani Path of Kalyani Nagar area, Kahilipara, Guwahati as well as a new transformer be installed separately for the Janani Path area of Kalyani Nagar, Kahilipara, Guwahati.

12. The committee observed that the total production capacity of APGCL falls short for meeting the state's power requirement.

The Committee recommends for conducting a viability survey at Bhairabh Kunda for constructing a Hydro Power Plant for Generation of power in the state.

13. The committee observes that the total solar production capacity of APGCL is very low.

The Committee recommends for conducting a pre feasibility survey at Tezpur for constructing a floating solar plant at Mora Bhorali for clean power production in the state.

14. The Committee recommends that 1 (one) numbers of 33x11 KVA Sub-station (2x5 MVA) at 'Loharkatha' under Barkhetri revenue circle of Nalbari District should be constructed for quality Power Supply.

15. The Committee recommends to complete the balance reaming works of the ongoing AEGCL project of 'Construction of 132/33 kv, 2x25 MVA Barpela sub-station with ULO of 132 kv Dhaligaon-Nalbari Line at Barpeta sub-station by April, 2022, which will not only improve the power position of Barpeta District and surrounding but also fulfill the object of the proper utilization of investment against the project.

16. The Committee recommends to ensure grid connectivity through construction of tower lines at two points namely, (1) Dalguma-Chaysimana and (2) Dekdhuwa-Uzirachar to cross river Jaljali. The committee further recommends that APDCL shall ensure resolution of the matter within 6 months.

17. The committee observes that there is constant low voltage power supply load shedding in and around areas at Lakhipur, South Salmara and Mankachar. Hence, the Committee recommends to complete the balance remaining works of the ongoing AEGCL project of 'Construction of 132 kV Halsingimari sub-station and 132 kV SIC Agia-Hatsingimari line on DIC tower in an urgent manner, which will bring the power feeding system of distribution network of the concerned areas under AEGCL grid network and also remove uncertainty of power feeding. It will further help to Improve system voltage profile, system reliability & stability and will reduce load shedding in the concerned areas. The Committee further recommends that assistance may be sought from the concern MLAs for resolving issues, if this regard, if any.

19. The Committee observes that the Electricity Act, 2003 is very flexible. Therefore, the Committee recommends that the Electricity Act, 2003 should be amended and strict Rules should be framed in his regard.

20. The Committee recommends that the APGCL should complete their Power Projects within 2 years and also issue LOA within six months to make the state self sufficient in power production.

21. The Committee also strongly recommends that the construction of Barpeta Sub-station should be completed within 30" April, 2022.

22. The Committee recommends to install a separate Sub-station of 33x11 KVA <sup>near</sup> at Rupsi Airport under Gauripur constituency in Dubri district.

The Committee recommends that the Budget allocation provided under Grant No.62 for the Financial Year 2022-23 for Power (Electricity), be approved by the August House.

