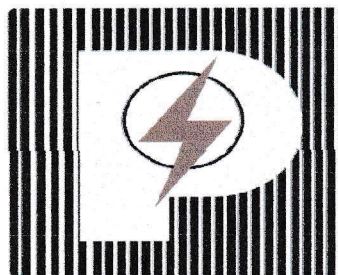


Before
Arunachal Pradesh State Electricity Regulatory
Commission

**Petition for Business Plan
from
FY 2025-26 To FY2029-30**

February 2025



State Load Despatch Centre, Arunachal Pradesh

Near 132/33 KV Sub-Station Chimpu, Itanagar-791113



BEFORE HON'BLE ARUNACHAL PRADESH STATE ELECTRICITY REGULATORY
COMMISSION

Petition No: _____

IN THE MATTER OF: Petition for approval of Multi Year Aggregate Revenue Requirement for FY 2025-26 to FY 2029-30 & SLDC charges for FY 2025-26

AND

IN THE MATTER OF: Petition for approval of Multi Year Aggregate Revenue Requirement for FY 2025-26 to FY 2029-30 & SLDC charges for FY 2025-26

State Load Despatch Centre, Arunachal Pradesh

..... Petitioner

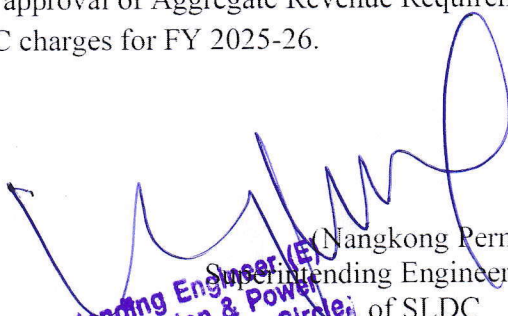
The petitioner most respectfully submits as follows:

1. The Petitioner, the State Load Despatch Centre, Arunachal Pradesh (herein after called APSLDC), is a Government Department under the Ministry of Power, Government of Arunachal Pradesh, and is responsible for managing the state's power grid, monitoring electricity generation and distribution, and ensuring a stable supply of power across the region.
2. The petitioner, being a Government Department, is the apex body constituted vide Section 31 of the Indian Electricity Act - 2003 (Central Act No. 36 of 2003) and complies with the directions stipulated in Section 33 to ensure integrated operation of the power system in the state of Arunachal Pradesh.
3. As per Section 62 and 64 of the Electricity Act 2003 read with Multi-Year Tariff Regulation 2024 notified by Arunachal Pradesh State Electricity Regulatory Commission (hereinafter called "Hon'ble Commission"), the SLDC has to file a petition for determination of ARR and LDC charges for every year.

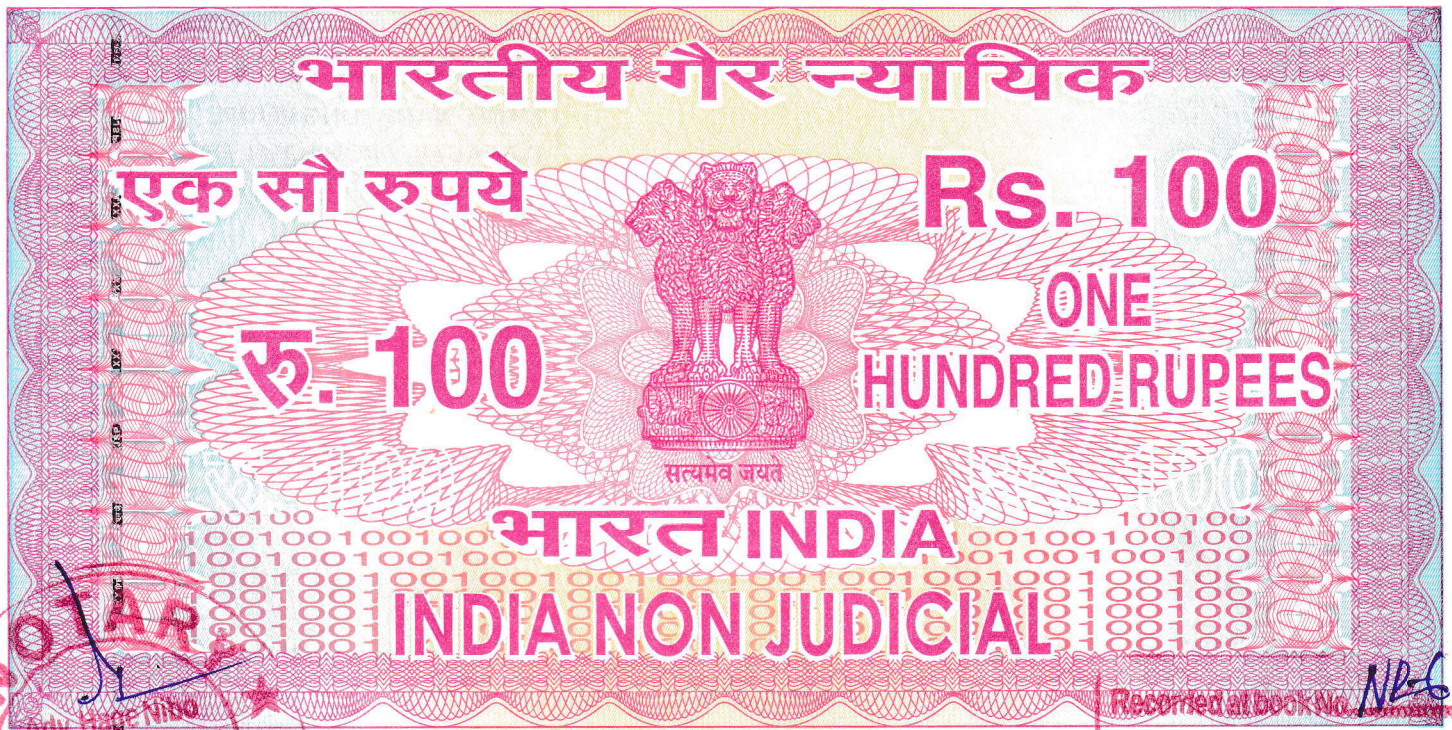




4. The Petitioner is filing a petition for approval of Aggregate Revenue Requirement for the FY 2025-26 to FY 2029-30 and LDC charges for FY 2025-26.


(Nangkong Perne)
Superintending Engineer cum Head
of SLDC
Arunachal Pradesh, Itanagar
Department of Power,
Itanagar-791111





Recorded at book No. *NB-6*
Volume No. *A 300580*
27 FEB 2025
14

अरुणाचल प्रदेश ARUNACHAL PRADESH

AFFIDAVIT

I Shri Nangkong Perme, aged about 59 years, son of Late Apel Perme, presently residing at P-Sector, Near Raj Bhawan, Itanagar, Arunachal Pradesh and presently serving as Superintending Engineer cum Head of State Load Despatch Centre (SLDC) Itanagar, Arunachal Pradesh, do hereby affirm and states, as follow:

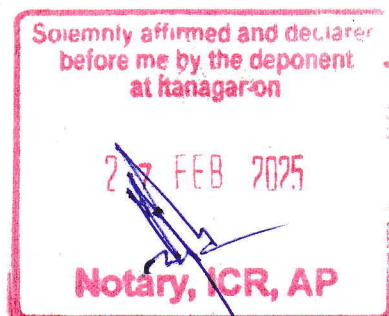
1. That the applicant of the application, is fully conversant with all the facts and the circumstances of the case and is competent to swear and sign this Affidavit.
2. That the statements made in Paragraphs 1,2,3 and 4 of this Petition are true to the best of my personal knowledge and belief.

"OATH"

Hence, I swear that this affidavit/declaration is true, that is conceals nothing, and that no part of it is false, so help me God.

And I sign this Affidavit in the Commission Premises at Itanagar, Arunachal Pradesh, on this 25th day of February, 2025.

Identified by:-



DEPONENT

Identified/Verified/Authenticated by me on *27 Feb 2025*

Hage Nibo
Advocate
Gauhati High Court
Itanagar/Naharlagun

Adv. Hage Nibo
Advocate & Notary Public, Govt. of A.P.
D.C Office, Chandra Nagar, Itanagar
Regd. No : 20/2023
Expiry : 01/08/2028

OFFICE OF THE TREASURY OFFICER	
S.N 16611	25, FEB '2025
NAME NANGKONG PERME	
ITANAGAR, ARUNACHAL PRADESH	

RECEIVED

1. The undersigned has the honor to acknowledge the receipt of the letter of the Government of India, dated 15th February 2025, regarding the subject mentioned above.

2. The undersigned has the honor to inform that the same has been forwarded to the concerned authorities for their consideration.

3. The undersigned has the honor to inform that the same has been forwarded to the concerned authorities for their consideration.

Yours faithfully,

(Signature of the undersigned)

(Signature of the undersigned)

(Signature of the undersigned)

(Signature of the undersigned)



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[Signature]
Superintending Engineer (E)
System Operation & Power
System Communication Circle,
Department of Power,
Itanagar-791111



CHAPTER-1: INTRODUCTION

1.1 About Arunachal Pradesh State Load Despatch Centre

The State Load Despatch Centre (hereinafter to be referred as 'SLDC or 'Petitioner') is the apex body constituted vide Section 31 of the Indian Electricity Act - 2003 (Central Act No. 36 of 2003) and complies with the directions stipulated in Section 33 to ensure integrated operation of the power system in the state of Arunachal Pradesh. The SLDC (State Load Despatch Centre) in Arunachal Pradesh is a government-established center responsible for managing the state's power grid, monitoring electricity generation and distribution, and ensuring a stable supply of power across the region, essentially acting as the "nerve center" for power management within the state, as per the Electricity Act, 2003. Arunachal Pradesh SLDC Division was created along with the Transmission Division-II in the year 2015. Later, the SLDC Division was bifurcated from the Transmission Division-II in the year 2019.

1.2 The key duties being discharged by APSLDC are:

The Load Dispatch Centre plays a technically complex and critical role in the power system of the State. Small investments in this function could yield major gains in terms of uninterrupted flow of quality power to all the consumers. Technically speaking investment in this function is essential from the point of view of secure, reliable, efficient, and economic operation of the electricity grid.

The major functional activities of APSLDC comprise of i) Scheduling and despatch of electricity within the State, ii) Monitor grid operations, iii) Maintain accounts of the quantity of electricity transmitted through the State grid, iv) Exercise supervision and control of intra-State transmission system and v) Carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid.

The functional activities of APSLDC are discharged by a team of competent officers & staff which ensures 24x7 Hrs. monitoring of State Grid for its secure and economic operation. It also keeps account of all the energy flows through the grid. To perform these technically complex functions, the manpower at LDC need to keep abreast with the technological & regulatory changes taking place in the fast-changing power sector and therefore needs to undergo specialized and routine training programmes from time to time.

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The current Business Plan Petition is filed keeping in view the specific requirements of the Load Despatch function and in accordance with the provisions of the APSPERC - (Multi Year Tariff Regulations), 2024. The Capital expenditure plan for the control period FY 2025-26 to FY 2029-30 is shown below: -

Summary of Capital Expenditure for FY 2025-26 to FY 2029-30

Sl. No.	Particulars	Actual Capital Expenditure (in Rs. Lakhs)	Estimated Capital Expenditure (in Rs. Lakhs)	Projection				
On Going Schemes		2023-24	2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
1	Civil Infrastructure-Data Centre, office and Residential.	200	700	221	—	—	—	—
2	Cyber Security Operation Centre (C-SOC) including H/W, S/W & Infrastructure	nil	nil	1300	10	10	10	10
3	Charges for V-SAT Connectivity	12	12	12	12	12	12	12
4	Charges for Static IP and Bandwidth	38	38	38	38	38	38	38
5	Integration of all EHV and major 33/11 kV Su-Station through VHF/GPRS to SLDC	70	80	20	0	0	0	0
6	Charges for API for ADMS system	nil	0	0.65	0.65	0.65	0.65	0.65
New Schemes:								
7	C/o Backup SLDC at Niglok, Pasighat.	nil	400	400	50	nil	nil	nil
8	Laying of Interlocking paver block for the parking lodge and Approach Road of SLDC Complex Chimpu.	nil	48	nil	nil	nil	nil	nil



Petition for Approval of Business Plan for 5-year MYT Control Period from FY
2025-26 to 2029-30

Sl. No.	Particulars	Actual Capital Expenditure (in Rs. Lakhs)	Estimated Capital Expenditure (in Rs. Lakhs)	Projection				
9	I.T enabled Audio Visual System surveillance and Automation of SLDC Building i/c Conference / V.C Room	70	nil	nil	nil	nil	nil	nil
Total		390.00	1278.00	1991.65	110.65	60.65	60.65	60.65

Summary of Capitalization for FY 2025-26 to FY 2029-30

Sl. No.	Particulars	Actual Capitalisation (Rs. In Lakhs)	Estimated Capitalisation (Rs. In lakhs)	Projected				
On-Going Schemes		2023-24	2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
1	Civil Infrastructure-Data Centre, office and Residential.	200	700	221	-	-	-	-
2	Cyber Security Operation Centre (C-SOC) including H/W, S/W & Infrastructure	nil	nil	1300	10	10	10	10
3	Charges for V-SAT Connectivity	12	12	12	12	12	12	12
4	Charges for Static IP	38	38	38	38	38	38	38
5	Integration of all EHV and major 33/11 kV Su-Station through VHF/GPRS to SLDC	70	80	20	0	0	0	0
6	Charges for API for ADMS system	nil	0	0.65	0.65	0.65	0.65	0.65
Sub-Total (A)		320.00	830.00	1591.65	60.65	60.65	60.65	60.65

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State Load Despatch Centre, Arunachal Pradesh

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Sl. No.	Particulars	Actual Capitalisation (Rs. In Lakhs)	Estimated Capitalisation (Rs. In lakhs)	Projected				
New Schemes:								
7	C/o Backup SLDC at Niglok, Pasighat.	nil	400	400	50	nil	nil	nil
8	Laying of Interlocking paver block for the parking lodge and Approach Road of SLDC Complex Chimpu.	nil	48	nil	nil	nil	nil	nil
19	I.T enabled Audio Visual System surveillance and Automation of SLDC Building i/c Conference / V.C Room	70	nil	nil	nil	nil	nil	nil
Sub-Total (B)		70.00	448.00	400.00	50.00	0.00	0.00	0.00
Grand Total (A)+(B)		390.00	1278.00	1991.65	110.65	60.65	60.65	60.65

i) Civil Infrastructure-Data Centre, office and Residential: -

As mandated electricity act 2003, every state is required to establish SLDC to be working as an apex body in the state to monitor the power system. So, the department of power, Government of Arunachal Pradesh had created a separate division to be named as SLDC division under the transmission circle. In the beginning SLDC division was operating from a temporary office building located at P sector near Raj bhavan, Itanagar with its control room established in the existing building of transmission-II division at Chimpu. The SCADA/EMS system that is used by the SLDC for real time monitoring and data acquisition is also installed at the temporary control centre in the office of transmission division 2 at Chimpu. The SCADA EMS expansion scheme which was implemented by power grid does not cover civil infrastructure building (Office/Residential Building) under its scope. Proper civil

State Despatch Centre, Arunachal Pradesh

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infrastructural facilities are required for installation of SCADA and Allied system. Hence a building of appropriate dimension and standard is needed to house the SLDC control room and other associated offices. Furthermore, SLDCs are required to be operated 24x7 with adequate number of offices. In order to ensure full time and readily optimum deployment of manpower it becomes imperative that all the personnel are provided with accommodation facilities within the SLDC complex. In view of above, it has been proposed to construct a multi-storied RCC building to accommodate the offices (SLDC Control room, divisional office, conference hall etc) and residential accommodation at Chimpu, Itanagar. The proposal was placed to the Government and subsequently the expenditure sanctioned for amount of Rs 10 Crore was approved wide memo no. pwr/EST-75/2017-18(TPMZ)/507-18, dated 14/01/2020. The balance amount was sanctioned in the successive year.

ii) **Cyber Security Operation Centre (C-SOC) including H/W, S/W &**

Infrastructure: -

With rapid advancement in technological front in the area of power system cyber security has become one of the major challenges in today's world. Time in again directives has been received from CERT-GO under ministry of power, government of India for establishment of security operation centre (SOC) in the states to mitigate the threat of cyber-attacks in the power system grid. Therefore, SLDC, Arunachal Pradesh is planning to establish a fully operational security operation centre in the SLDC building. The amount stated above for establishment of SOC has been quoted based on the price quotation submitted by the firm.

iii) **Charges for V-SAT Connectivity: -**

V-SAT system is used as a communication channel between the SCADA system in the SLDC control room and the remote sub-station for acquisition of real time data. Continues availability of data from various grid-substation is very much essential for real time monitoring of power system grid within the state of Arunachal Pradesh.

iv) **Charges for Static IP: -**

These static IPs has been procured from airtel service provider for providing internet connectivity to various system like SCADA, ADMS, SAMAST system etc. SLDC Arunachal Pradesh is making yearly payment to the vendor as charges for the static Ips.

v) **Integration of all EHV and major 33/11 kV Sub-Station through VHF/GPRS to SLDC: -**

The main objective of this project is to enable the SLDC control room shift in charge to have access to the Real Time Parameters of the important 33/11 KV substation of



department of Power and important grid substation to ensure integrated, safe and secure grid operation and to enable optimum load forecasting and scheduling of power for Arunachal Pradesh to prevent penalties/ DSM charges. The project was approved by the Government and subsequently expenditure sanctioned for the amount of Rs 400 lakhs was issued wide memo no PWRS/w-12/2022/(c-no.47908)/2239-51 dated 20/03/2022.

vi) Charges for API for SAMAST system: -

The SAMAST system was funded by the PSDF and has been successfully commissioned on 19th July, 2024. Under the SAMAST system the scheduling module was required to be integrated with the NERLDC scheduling data base. For this integration, the required API along with various domains has been procured from a third party. The payment for API charges is being made on yearly basis to the firm.

vii) C/o Backup SLDC at Niglok, Pasighat: -

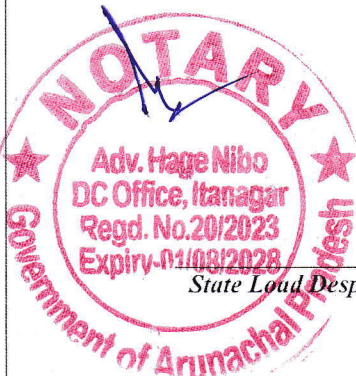
As a contingency major every state is required to have a backup SLDC apart from the main SLDC. Therefore, we have proposed the construction of backup SLDC building at Niglok, Pasighat. Under the "SCADA/EMS upgradation scheme, which is being funded by PSDF, the executing agency the PowerGrid is providing all the hardware equipment's along with the required software. However, the civil infrastructure i.e., backup SLDC building is not covered under this centrally funded scheme. Therefore, we are proposing for construction of backup SLDC building from our own fund.

viii) Laying of Interlocking paver block for the parking lodge and Approach Road of SLDC Complex Chimpu: -

The interlocking paver block has been laid for construction of parking facility in front of the SLDC complex periphery. The construction of parking facility was not covered under the scheme for construction of SLDC building. Therefore, a separate fund was allocated for laying of interlocking paver block.

IX) I.T enabled Audio-Visual System surveillance and Automation of SLDC Building i/c Conference / V.C Room: -

The officers of SLDC Arunachal Pradesh are frequently engaged in online meeting / seminars / conferences with NERLDC and NERPC. For facilitating these meetings in seamless manner there was a requirement of a dedicated IT enables audio visual system in the conference hall and VC room at SLDC building. Therefore, the IT enable audio visual system has been procured and installed at SLDC building.



State Load Despatch Centre, Arunachal Pradesh

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1.3 Power Scenario in Arunachal Pradesh

Arunachal Pradesh has targeted towards continuous improvement in Generation, Transmission and Distribution sectors, the gap between generation & demand is continuously narrowing down. The table below shows power scenario, in the State for past five Financial Years.

Power Demand Scenario in Arunachal Pradesh

Year	Maximum Demand Met (MW)
FY 2019-20	151
FY 2020-21	155
FY 2021-22	158
FY 2022-23	160
FY 2023-24	178
FY 2024-25	195

Source-wise Tied-up Capacity (MW) in Arunachal Pradesh

Upto March, 2024

Source	Thermal	Hydro	Nuclear	Renewable	Total
Capacity (MW) Tied-up	91	225	—	—	316

Upto September, 2024

Source	Thermal	Hydro	Nuclear	Renewable	Total
Capacity (MW) Tied-up	91	225	—	—	316

The energy and peak power demand projections as per APSLDC's estimates are provided below:

FY	2019-20	2020-21	2021-22	2022-23	2023-24
Energy Requirement (in MU)	456	405.11	518	585.1	673
Peak Demand (in MW)	151	155	158	160	178



FY	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Energy Requirement (in MU)	751	839.62	940	1,054	1,184	1332.26
Peak Demand (in MW)	195	214	235	258	283	311

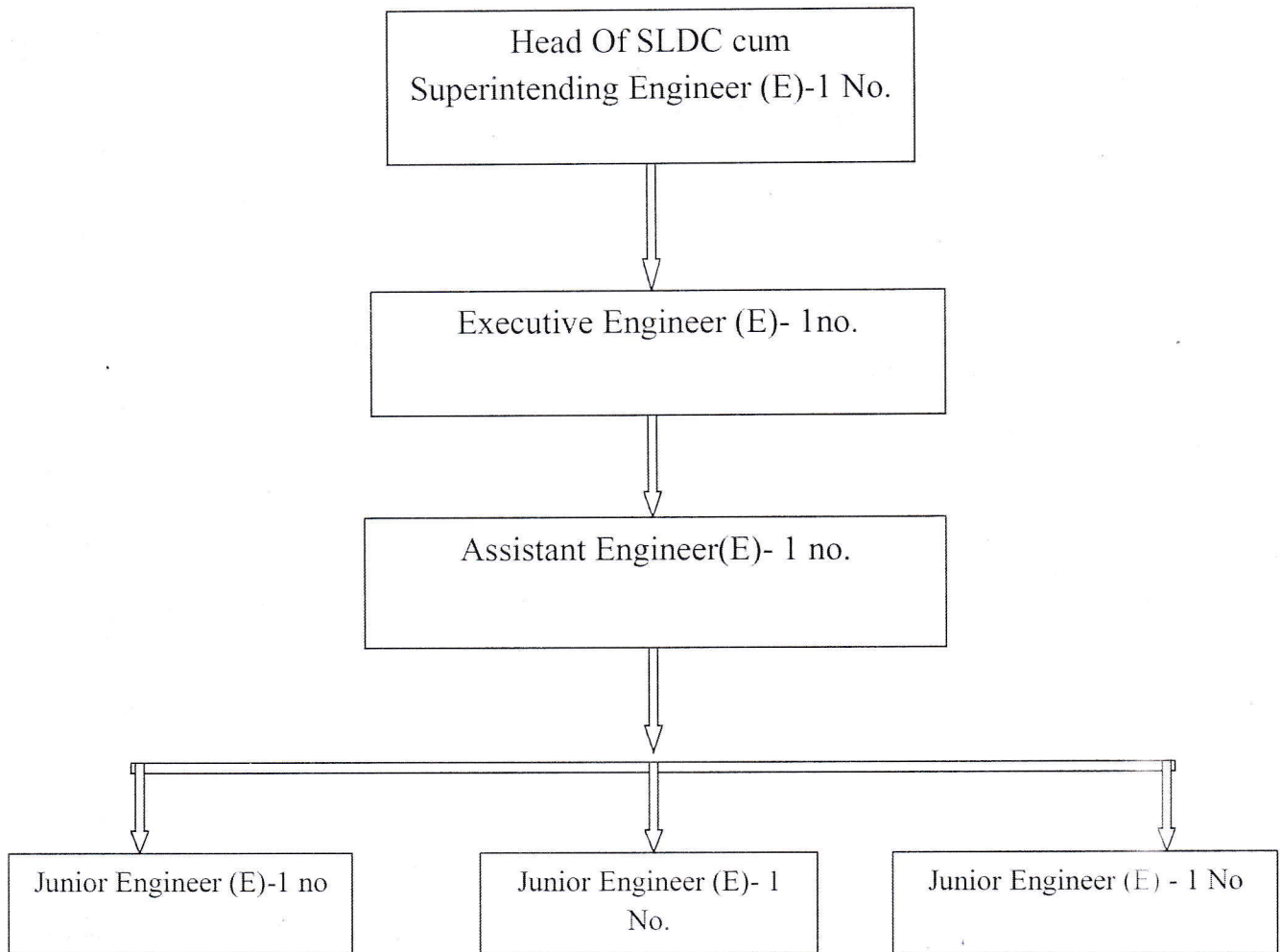


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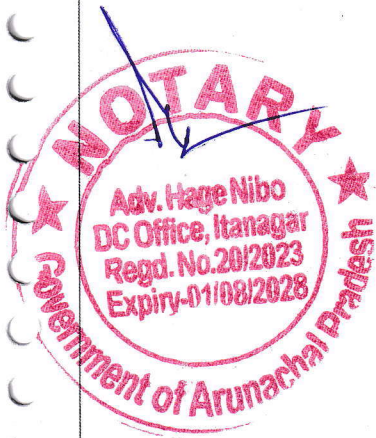
CHAPTER-2: ORGANIZATIONAL STRUCTURE

The Organisation structure of APSLDC is depicted in the figure below.



Other Staff:

1. Sr. Estimator-1
2. Head Assistant-1
3. UDC -3
4. LDC-4
5. Accountant-2
6. PA-1
7. Computer Operator -2
8. MTS-3
9. Shift Operator-8



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As per latest notification from the Ministry of Power, Govt. of India dated 30th October 2024 (copy attached) manpower requirement for all the emerging SLDCs is minimum 62 inclusive of executive and non-executive for the SLDC to run smoothly. Apart from acting as power sector regulator within the State, SLDCs are involved in varieties of activities such as System Operation, Energy Scheduling, Market Operation, System Logistics which requires trained manpower in adequate number. Therefore, SLDC Arunachal Pradesh shall require the workforce in the next 4-5 Years.



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CHAPTER 3: FUNCTIONS OF APSLDC

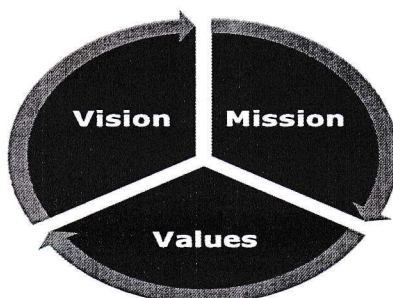
The key functions and duties of the Arunachal Pradesh State Load Despatch Centre are as per Electricity Act 2003, as mentioned below:

1. The State Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in a State.
2. The State Load Despatch Centre shall--
 - a) be responsible for optimum scheduling and despatch of electricity within a State, in accordance with the contracts entered into with the licensees or the generating companies operating in that State;
 - b) monitor grid operations;
 - c) keep accounts of the quantity of electricity transmitted through the State grid;
 - d) exercise supervision and control over the intra-State transmission system; and
 - e) be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code
3. The State Load Despatch Centre may levy and collect such fee and charges from the generating companies and licensees engaged in intra-State transmission of electricity as may be specified by the State Commission.

4. Mission, Vision & Values

The mission, vision and core values of the Arunachal Pradesh State Load Despatch Centre are mentioned below:

▪ Propelling people and industrial growth of State by providing quality service



▪ To achieve global standards in reliable and quality grid services

- Secure and reliable real time grid operation.
- Participative Work Culture
- Pride of belongingness
- Excellence
- Being ethically and Socially responsive
- Knowledge Based Learning Culture

State Load Despatch Centre, Arunachal Pradesh

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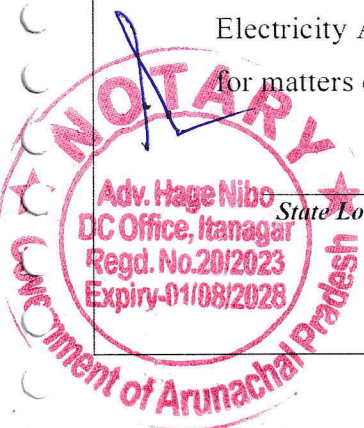
CHAPTER 4: REGULATORY FRAMEWORK

As per the Constitution of India, Electricity is a concurrent subject, which implies that the Power Sector in India is the combined responsibility of Union and State Government. Over the years, reforms in Indian Power Sector have been driven by the Union Government in an endeavour to achieve sustainable growth and improvement in operational efficiencies. One of the hallmarks of this reform Agenda is the Electricity Act, 2003 (hereinafter referred as “Electricity Act 2003” or simply the “Act” unless specified otherwise).

The Electricity Act 2003 attempts to induce competition in electricity sector for creating an environment conducive to supply quality electricity to all categories of consumers at affordable/reasonable prices. The access to electricity markets for captive generators, open access participants and parallel licensees has led to evolution of multi buyer market mechanism. Adequate investment in Intra-state and Inter-state transmission infrastructure would also be required for supporting power generation. This vibrant power market would facilitate competitive merchant power plants to be set up pursuant to the promotional policies like mega power plants etc., and incentives offered by the Government such as availability of state specific resources like land, water, rebate in local taxes, etc.

Enabling Provisions in Electricity Act 2003

The Government of India has notified the Electricity Act 2003 with effect from 10th June 2003, which requires the State Governments to initiate major changes in the Industry Structure and Operations of the state power sector. The broad objectives of the Electricity Act 2003 as incorporated in its preamble is to consolidate the laws relating to generation, transmission, distribution, trading and use of electricity and for taking measures conducive to development of electricity industry through way of reforms and restructuring, promoting competition therein, protecting interest of consumers and supply of electricity to all areas, rationalisation of electricity tariff, ensuring transparent policies regarding subsidies, promotion of efficient and environmentally benign policies, constitution of Central Electricity Authority, Regulatory Commissions and establishment of Appellate Tribunal and for matters connected therewith or incidental thereto.



State Load Despatch Centre, Arunachal Pradesh

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Department of Power,
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It has introduced a number of innovative concepts like de-licensing of Generation, Power Trading, Open Access, Appellate Tribunal, etc., and special provisions for the rural areas. The Act has made it mandatory for all the States to restructure their SEBs.

The major provisions of the Electricity Act 2003 related to SLDCs are as follows:

Section 29. (3): All directions issued by the Regional Load Despatch Centres to any transmission licensee of State transmission lines or any other licensee of the State or generating company (other than those connected to inter State transmission system) or sub-station in the State shall be issued through the State Load Despatch Centre and the State Load Despatch Centres shall ensure that such directions are duly complied with the licensee or generating company or sub-station.

Section 31. (Constitution of State Load Despatch Centres): --- (1) The State Government shall establish a Centre to be known as the State Load Despatch Centre for the purposes of exercising the powers and discharging the functions under this Part.

(2) The State Load Despatch Centre shall be operated by a Government company or any authority or corporation established or constituted by or under any State Act, as may be notified by the State Government:

Provided that until a Government company or any authority or corporation is notified by the State Government, the State Transmission Utility shall operate the State Load Despatch Centre:

Provided further that no State Load Despatch Centre shall engage in the business of trading in electricity.

Section 32. (Functions of State Load Despatch Centres): --- (1) The State Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in a State.

(2) The State Load Despatch Centre shall -

- a) be responsible for optimum scheduling and despatch of electricity within a State, in accordance with the contracts entered into with the licensees or the generating companies operating in that State;
- b) monitor grid operations;

State Load Despatch Centre, Arunachal Pradesh

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DC Office, Itanagar
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Expiry-01/08/2028



- c) keep accounts of the quantity of electricity transmitted through the State grid;
- d) exercise supervision and control over the intra-State transmission system; and
- e) be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code.

(3) The State Load Despatch Centre may levy and collect such fee and charges from the generating companies and licensees engaged in intra-State transmission of electricity as may be specified by the State Commission.

Section 33. (Compliance of directions): --- (1) The State Load Despatch Centre in a State may give such directions and exercise such supervision and control as may be required for ensuring the integrated grid operations and for achieving the maximum economy and efficiency in the operation of power system in that State.

(2) Every licensee, generating company, generating station, sub-station and any other person connected with the operation of the power system shall comply with the directions issued by the State Load Despatch Centre under sub-section (1).

(3) The State Load Despatch Centre shall comply with the directions of the Regional Load Despatch Centre.

(4) If any dispute arises with reference to the quality of electricity or safe, secure, and integrated operation of the State grid or in relation to any direction given under sub-section (1), it shall be referred to the State Commission for decision:

Provided that pending the decision of the State Commission, the directions of the State Load Despatch Centre shall be complied with by the licensee or generating company.

(5) If any licensee, generating company or any other person fails to comply with the directions issued under sub-section (1), he shall be liable to a penalty not exceeding rupees five lacs.



State Load Despatch Centre, Arunachal Pradesh

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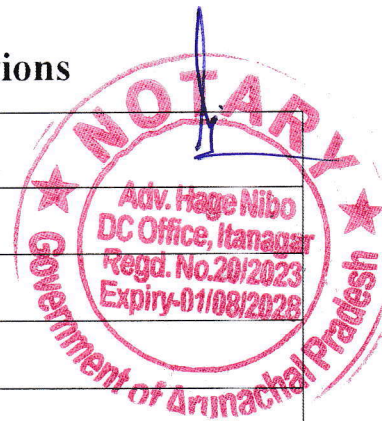


State Electricity Regulatory Commission Regulations

The Regulations were enacted by the Hon'ble Commission in compliance with the provisions of the Electricity Act 2003 and as guided by the National Tariff Policy and National Electricity Policy. Some of the key Regulations which were enacted by the Hon'ble Arunachal Pradesh State Electricity Regulatory Commission as outlined below:

Hon'ble APSERC's published Regulations

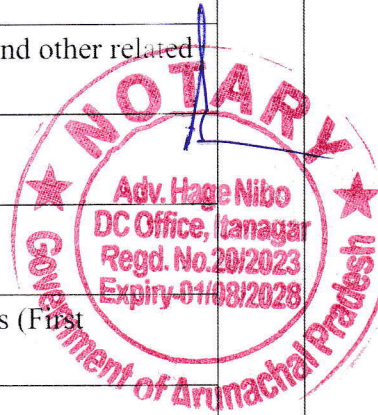
S. No.	Name of the Regulation
1.	State Advisory Committee (SAC) Notification - 2011
2.	Conduct of Business Regulations - 2011
3.	Redressal of Grievances and Ombudsman Regulations - 2011
4.	Fee Regulations - 2011
5.	Grant of Intra State Trading Licence Regulations - 2011
6.	Terms and Conditions for Determining of Tariff and Formats for Tariff Filing Regulations - 2011
7.	Renewable Power Purchase Obligation and Its Compliance Regulations - 2012
8.	Redressal of Grievances & Ombudsman Regulation (1st Amendment) - 2012
9.	State Grid Code Regulations - 2012
10.	Terms & Conditions for Intra State Open Access Regulations - 2012
11.	Reconstitution of the State Advisory Committee
12.	Multi Year Tariff Regulations - 2013
13.	Amendment Order
14.	Service Conditions of Staff Regulations - 2015
15.	Consumer Grievances Redressal Forum and Ombudsman Regulations, 2015
16.	Renewable Power Purchase Obligation and Its Compliance Regulation (1st Amendment) 2016
17.	Renewable Power Purchase Obligation and Its Compliance Regulation (2nd Amendment) 2016



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S. No.	Name of the Regulation
18.	Rooftop Solar Grid Interactive Systems Based on Net Metering
19.	Payment of Fees (1st Amendment) 2017
20.	Procedure, Terms and Conditions for grant of Transmission Licence and other related matters Regulations, 2017
21.	State Grid Code Regulations, 2018
22.	Service Conditions of Staff Regulations, 2018
23.	Consumer Grievances Redressal Forum And Ombudsman Regulations (First Amendment)-2018
24.	Multi Year Tariff Regulations-2018
25.	Corrigendum to Regulation No. APSERC/Notification/30/2018-APSERC (Multi Year Tariff) Regulations, 2018.
26.	APSERC Appointment of Consultants Regulations - 2024
27.	APSERC Conduct of Business for Holding Inquiry by Adjudicating Officer Regulations - 2023
28.	APSERC Green Energy Open Access (GEOA) and Methodology for calculation of Charges Regulations - 2024
29.	Terms and Conditions for Determination of Renewable Energy Tariff Regulations, 2024
30.	APSERC (Grid Interactive Distributed Renewable Energy System with Net Metering including Group Net Metering and Virtual Net Metering, Net Billing/Net Feed – In, Gross Metering and Its Related Matter) Regulations, 2024
31.	APSERC (Electricity Supply Code) Regulation, 2024
32.	Corrigendum to Regulation No. APSERC/Notification/34/2024 - APSERC (Conduct of Business for Holding Inquiry by Adjudicating Officer) 2024
33.	APSERC-(consumer grievances redressal forum and ombudsman regulations) (2nd Amendment) Regulations, 2024 APSERC-(Terms and Conditions for Green Energy Open Access (GEOA) and Methodology for Calculation of Charges) (1st Amendment) Regulations, 2024



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S. No.	Name of the Regulation
34.	APSERC - Power Purchase and Procurement Process of Licensee Regulations, 2024
35.	APSERC - Standards of Performance for the Distribution Licensee Regulations, 2024
36.	APSERC - (Terms and Conditions for Determination of Renewable Energy Tariff) (1st Amendment) Regulations, 2024
37.	APSERC - Framework for Resource Adequacy Regulations, 2024
38.	APSERC - Terms and Conditions for Determination of Renewable Energy Tariff Regulations, 2024 (2nd Amendment)
39.	APSERC - Procedure, Terms and Conditions for Grant of Distribution Licence and other Related Matters Regulations, 2024.
40.	APSERC - Demand Side Management Regulations, 2024.
41.	APSERC - Multi Year Tariff Regulations, 2024.

APSLDC has been complying with all the Regulations issued by the Hon'ble Commission to the extent the same are applicable & relevant to the operations of APSLDC and discharge of its statutory functions & responsibilities.



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CHAPTER 5: CURRENT IT INFRASTRUCTURE

To shoulder the responsibilities and carryout the functions entrusted to it under the provisions of the Electricity Act-2003, APSLDC, in addition to its own well-equipped building and skilled manpower, has a robust IT infrastructure encompassing the online scheduling, despatch and energy accounting software and state of art SCADA system. The online scheduling, despatch and energy accounting software can be easily accessed through the dynamic & interactive web-site of the APSLDC. The SCADA system while providing real time data on generation, demand, schedules, deviation from schedules, line loading, voltage profile at different sub-stations, system frequency etc. and also helps visualize the data through graphs and charts.

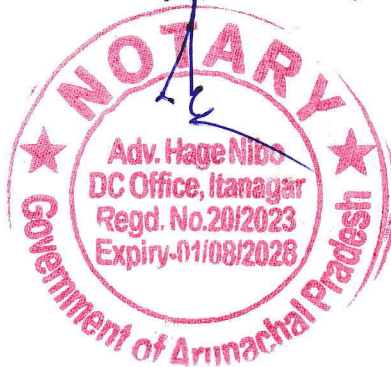
The purpose of having a robust IT system is to attain the following objectives: -

1. To ensure regulatory compliance of CERC/APSERC/CEA Regulations/ Orders/ Amendments
2. To ensure efficient real-time operations, accurate energy accounting, credible and dispute-free settlement of electricity transactions.
3. Transparent grid management.
4. Automate real-time & back-office processes to address emerging challenges - growing system size, complex & evolving regulatory framework, large data volumes, constraints in human resources.

SAMAST: -

The SAMAST system stands for Scheduling, Accounting, Metering and Settlement of Transaction in Electricity. It consists of 6 modules namely:

1. Scheduling module
2. Open Access Module
3. Meter Data Management
4. Energy Accounting
5. Management information System (MIS)
6. E-Log Book and Website





The SAMAST system provides an innovative platform to SLDC and other intra-state power utilities for management of Meter Data, Scheduling, Power Trading, Generation Monitoring, and record keeping.

CORRESPONDING WEBSITE: -

i) <https://arpslde.in>

ii) <https://scheduling.arpslde.in>

iii) <https://openAccess.arpslde.in>

iv) <https://mis.arpslde.in>

SCADA: -

For real time monitoring and data acquisition SCADA system has been installed at SLDC control room and in operation since 2018. All the 132/33 KV and above grid sub-station in the state has been linked with the SCADA system either through OPGW or VSAT. For maintenance of SCADA system, the AMC is being borne by the state government.

ADMS: -

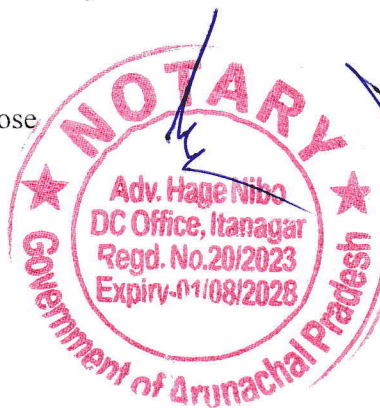
Automatic Demand Management System has been installed in all the identified 33 KV and 11 KV feeders for load relief during grid contingency at 07 nos. of 33/11 kV Sub-Stations. Whenever grid frequency drops beyond the pre-defined level, the feeders are made to trip in sequence as per logic incorporated. The tripping may be carried out manually too, if required. The system also provides real time data of Distribution level Sub-Station.

UNMS: -

Unified Network Management System

V-SAT: -

For Communication Purpose



[Signature]
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CHAPTER 6: CAPACITY BUILDING

The plans & initiatives for capacity building of the executives of the APSLDC for the control period is detailed below.

Sl. No	Name of Training Plan	Estimated Amount (Rs. In Lakh) in FY						
		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
1	Existing Training Plan							
1(a)	i) Basic: Power System Operations ii) Basic: Refresher 1 (PSO), Online iii) Basic: Cyber Security iv) Basic: Behavioural & Soft Skills v) Development	50	50	50	50	50	50	50
2	New Training Plan							
2(a)	i) Specialist: Power Markets ii) Specialist: Power system reliability iii) Specialist: Refresher 1 (PSR), Online iv) Specialist: Renewable Energy Sources and grid Integration v) Specialist: Power System Logistics vi) Intermediate: Cyber Security vii) Specialiser: Regulatory Framework in Power Sector	NA	NA	30	30	30	30	30



State Load Despatch Centre, Arunachal Pradesh

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CHAPTER – 7: PRAYER

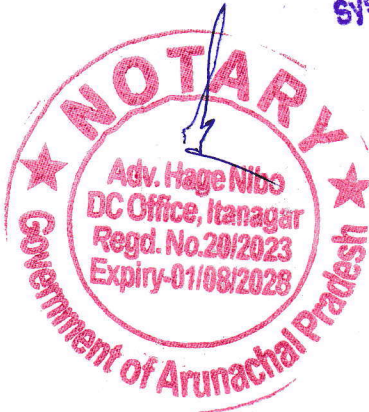
The APSLDC respectfully prays to the Hon'ble Commission-

1. To admit this Petition for approval of Business Plan for the period from FY 2025-26 to FY 2029-30.
2. To grant any other relief as the Hon'ble Commission may consider appropriate.
3. To pass any other order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.
4. The petitioner craves leave of the Hon'ble Commission to allow further submissions, additions, and alterations to this petition as may be necessary from time to time.

Dated Itanagar theth February 2025

Petitioner
For the State Load Despatch
Centre
Itanagar

Superintending Engineer (E)
System Operation & Power
System Communication Circle,
Department of Power,
Itanagar-791111



Adv. Hage Nibo
Advocate & Notary Public, Govt. of A.P
D.C Office, Chandra Nagar, Itanagar
Regd. No : 20/2023
Expiry : 01/08/2028

