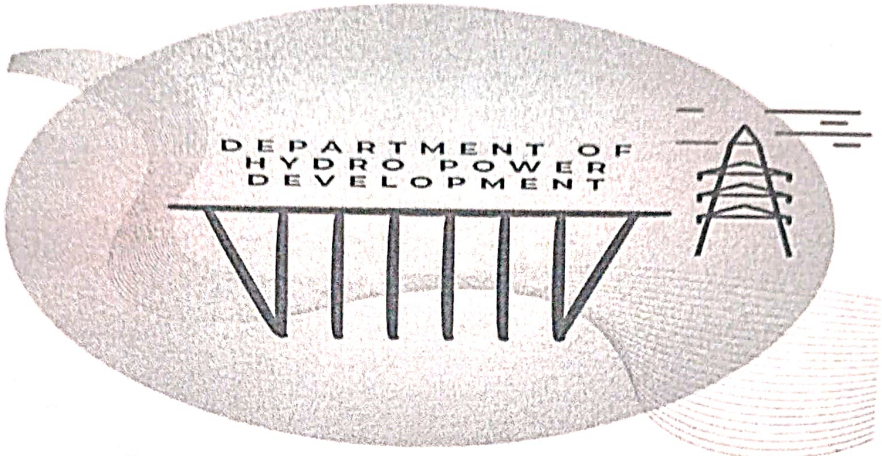

Powering Progress, Naturally.

GOVERNMENT OF
ARUNACHAL PRADESH

APPLICATION

FOR

ANNUAL REVENUE REQUIREMENT (ARR)

&

TARIFF PETITION FOR

FY 2026-27

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Submitted by:
Department of Hydro Power Development-2026

सत्यमेव जयते

COMMON SERVICE CENTRE
SHANKAR PRADHAN
CSC ID 133951510012
E-Stamping ACC
Bank Tinali Itanagar

INDIA NON JUDICIAL

Government of Arunachal Pradesh

Recorded at book No. 11
Volume No.
09 FEB 2026
Serial No. 18

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

e-Stamp

Certificate No.		IN-AR009385837761 35Y
Certificate Issued Date		09-Feb-2026 12:46 PM
Account Reference		CSCACC (GV)/ arcsceg07/ AR-PPMSHA0001/ AR-PPM
Unique Doc. Reference		SUBIN-ARARCSCEG0701477951213418Y
Purchased by	:	DEPTT OF HYDRO POWER DEVELOPMENT GOVT OF AP
Description of Document	:	Article 4 Affidavit
Property Description	:	AFFIDAVIT IN SUPPORT OF TARIFF PETITION FY 26-27
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	DEPTT OF HYDRO POWER DEVELOPMENT GOVT OF AP
Second Party	:	AP STATE ELECTRICITY REGULATORY COMMISSION
Stamp Duty Paid By	:	DEPTT OF HYDRO POWER DEVELOPMENT GOVT OF AP
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

Please write or type below this line

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Statutory Alert:
1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate
3. In case of any discrepancy please inform the Competent Authority.

GENERAL HEADINGS OF PROCEEDINGS

BEFORE THE ARUNACHAL PRADESH STATE ELECTRICITY REGULATORY COMMISSION (APSERC), ITANAGAR

Filing No.....

Case No.....

IN THE MATTER OF:

APPLICATION FOR APPROVAL OF ANNUAL REVENUE REQUIREMENT AND TARIFF PETITION OF HYDRO ELECTRIC STATIONS, DEPARTMENT OF HYDRO POWER DEVELOPMENT, ARUNACHAL PRADESH FOR THE FINANCIAL YEAR 2026-27 IN ACCORDANCE WITH THE APSERC (TERMS AND CONDITIONS FOR DETERMINATION OF RENEWABLE ENERGY TARIFF) REGULATIONS, 2024.

AND

IN THE MATTER OF:

DEPARTMENT OF HYDRO POWER DEVELOPMENT, ARUNACHAL PRADESH (HEREINAFTER REFERRED TO AS DHPD), JAL VIDYUT BHAWAN, ITANAGAR (NEAR INDIRA GANDHI PARK, ARUNACHAL PRADESH).

..... PETITIONER

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

AFFIDAVIT

BEFORE HON'BLE ELECTRICITY REGULATORY COMMISSION

FOR THE STATE OF ARUNACHAL PRADESH

FILE No: _____

CASE No: _____

IN THE MATTER OF : **Petition for Approval of Annual Revenue Requirement (ARR) and Tariff Proposal for FY 2026-27 for The State of Arunachal Pradesh under Sections 61, 62 and 64 of The Electricity Act 2003**

AND

IN THE MATTER OF : **Department of Hydro Power Development, Jal Vidyut**

THE PETITIONER **Bhawan, Itanagar, Arunachal Pradesh**

.....Petitioner

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

I, **Er. Taki Tatin,** son of **Lt. Tameng Tatin** (aged 54 years), residing at Itanagar, the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That the deponent is **the Chief Engineer (P,D&C)** of the Department of Hydro Power Development, Government of Arunachal Pradesh, and is acquainted with the facts deposed to below.

2. I, the deponent named above do hereby verify that the contents of the accompanying petition are based on the records of Department of Hydro Power Development, Government of Arunachal Pradesh maintained in the ordinary course of business and believed by them to be true and I believe that no part of it is false and no material has been concealed there from.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Details of enclosures:

a) Proposal for Aggregate Revenue Requirement ("ARR") for the Financial Year 2026-27 for Determination of Tariff.

b) Annexures-

c) Petition Fee – Rs.7,50,000/- (Rupees Seven Lacs Fifty Thousand) only has been paid through e-GRAS.

Department of Hydro Power Development,
Govt. of Arunachal Pradesh.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Petitioner

Place: Itanagar

Dated: 09/02/2026

I, Hage Nibo Advocate, Itanagar, do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

Advocate

Solemnly affirmed before me on this 9th day of February, 2026 at Itanagar by the deponent who has been identified by the aforesaid Advocate. I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Solemnly affirmed and declared before me by the deponent at Itanagar on
09 FEB 2026
Notary, ICR, AP

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

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

LIST OF ABBREVIATIONS

Abbreviation	Description
A&G	Administration & General
ACT	Electricity Act, 2003
APSERC	Arunachal Pradesh State Electricity Regulatory Commission
ARR	Aggregate Revenue Requirement
APTEL	Appellate Tribunal For Electricity
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGS	Central Generating Stations
CPSU	Central Power Sector Undertakings
Cr./Crs	Crore/Crores
D/E	Debt Equity
DHPD	Deptt. of Hydro Power Development
DOP, AP	Department of power, Govt. of Arunachal Pradesh
FY	Financial year
GFA	Gross Fixed Assets
kV	Kilovolt
kVA	Kilo Volt Amps
kwh	Kilo Watt Hour
MU	Million Units
MVA	Million Volt Amps
MW	Mega Watt
O&M	Operation & Maintenance

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Abbreviation	Description
ROE	Return on Equity
RoR	Rate of Return
Rs.	Rupees
SS	Sub Station
SBI	State Bank of India
SBI-PLR	State Bank of India- Prime Lending Rate (Short Term)
SBI-MCLR	State Bank of India- Marginal Cost Lending Rate
SERC	State Electricity Regulatory Commission
R&M	Repairs and Maintenance
YoY	Year on Year

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

1. BACKGROUND

In order to oversee, co-ordinate and monitor the development of hydro power in the State of Arunachal Pradesh, the State Govt. created a separate department namely "Department of Hydro Power Development" on 12/11/2003. It is a full-fledged department headed by a Chief Engineer. The Department is entrusted with the development of micro / mini / small hydro project, improvement of existing hydro projects including renovation & modernization works, operation and maintenance of existing hydel stations, survey & investigation of new potential sites, and construction of residential and non-residential building for the Department. The Department is foremost concentrating on the urgent need of bridging the existing demand supply gap in order to make the State self-reliant, so far as power needs of the State are concerned and to help achieve the target of all village's electrification and all household electrification.

The Department at present has to its credit 80.68 MW installed capacity. Department is operating micro/mini/small Hydro Power Stations. Department is also under taking construction of various Hydel Stations in various districts of the State which are under different stages of development. Completion of these on-going schemes shall lead to a further capacity addition. In addition to above, Department is also carrying out Survey & Investigation of new schemes with the aim of identifying more potential sites for tapping the estimated 2000 MW small hydro power potential in the State developing hydro power.

The Department has a dedicated work force of 2304 Nos. staff comprising of experienced engineers, technical staff and other supporting staff. The Department of Hydro Power Development has also been assigned the very important responsibility of acting as nodal agency for coordinating and overseeing the allotment and development of Mega Hydro Electric Projects in the State by IPPs as State's Mega & Small Hydro Power Policy. Department is looking forward to transforming the long-awaited dream of the people of the State into reality that Arunachal Pradesh shall be the "FUTURE POWER HOUSE OF THE COUNTRY".

INSTALLED CAPACITY

a) Hydro Electric Power Stations

The Department has a total installed capacity of 58.49 MW and firm capacity of 54.49 MW of corresponding 88 power stations that were commissioned before the year 2017 and currently in running condition. DHPD has proposed write-off of 4 plants. The list of those projects has been attached as **Annexure 1**. Therefore, DHPD is submitting the instant petition in respect of 88(Including Tato) HEPs.

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

b) Tato Hydro Electric Power Station:

i. Introduction

This section presents the background of the Tato Mini Hydro Electric Project (Tato MHS), having an installed capacity of 2×50 kW (total 100 kW), which is presently owned, operated, and maintained by the Department of Hydro Power Development (DHPD), Government of Arunachal Pradesh.

ii. Project Overview

The Tato Mini Hydro Electric Project (MHS) is a run-of-the-river type small hydro project situated at Tato, under the administrative control of the Mechuka Hydro Power Division, Department of Hydro Power Development. The project was operated by Reliance Energy Limited (M/s Tato Power Pvt. Ltd., Noida, Uttar Pradesh) with a total installed capacity of 140 kW (2 units of 50 kW each+2 units of 20 kW each).

iii. Transfer and Taking Over of the Project

Pursuant to the approval of the competent authority, the Department of Hydro Power Development (DHPD) formally took over the Tato Mini Hydro Electric Project from Reliance Energy Limited on 25.06.2020, in accordance with the directive issued by the Chief Engineer (EZ), DHPD, Itanagar, vide letter No. CE/EZ/DHPD/W-G/15/2020-21/86-90 dated 21.05.2020.

The Executive Engineer, Mechuka Hydro Power Division, confirmed the physical takeover through his communication No. MHPD/WS-16/2020-21/24-26 dated 05.01.2021, stating that the project assets had been duly handed over and integrated under departmental control.

iv. Post-Takeover Actions and Operational Status

Following the takeover, the Mechuka Hydro Power Division undertook necessary repair and restoration works to bring the project back to operational condition. The project was successfully recommissioned and made operational on 28.07.2020.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Nage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry: 01/03/2026
Government of Arunachal Pradesh

The project has since remained functional and is generating approximately 23,000 kWh of electricity per month, which is supplied to local consumers through the departmental distribution system.

v. Current Ownership and Responsibility

From 25.06.2020 onwards, the Department of Hydro Power Development (DHPD), Government of Arunachal Pradesh, has assumed complete responsibility for:

- Operation and Maintenance (O&M) of the project;
- Management of power generation and dispatch; and
- Compliance with regulatory, safety, and reporting obligations as per Central Electricity Authority (CEA) guidelines and APSERC Regulations.

Accordingly, all expenses relating to operation, maintenance, manpower, and repairs are now accounted for under the departmental budget of DHPD and are proposed for inclusion in this tariff determination exercise.

The Department now seeks tariff determination for the said project in accordance with the applicable provisions of the Electricity Act, 2003, and the APSERC Tariff Regulations.

The details of 88 hydroelectric power stations which are currently operating are given here under:

1. Details of 88 Hydro Electric Power Stations (commissioned before the year 2017)

Details of Hydro Electric Power Stations					
SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning
Western Zone (WZ)			(KW)	(KW)	
Tawang District					
1	Chellengkang Ph-I	1 x 30	30	30	2004-05
2	Chellengkang Ph-II	1 x 30	30	30	2008-09
3	Shakti Nallah	2 x 50	100	50	2008-09
4	Thimbu	2 x 50	100	100	2009-10

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nido
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2026
Government of Arunachal Pradesh

Details of Hydro Electric Power Stations

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning
5	Khet	2 x 50	100	100	2009-10
6	Tsechu Nallah	2 x 50	100	100	2010-11
7	Mago MHS	2 x 50	100	100	2014-15
8	Nuranang	3 x 2000	6000	6000	1996 - 97
9	Kitpi Ph-I	3 x 500	1500	1500	1977 - 78
10	Kitpi MHS Ph-II	2 x 1500	3000	3000	2008-09
11	T. Gompa	1 x 50	50	50	2001-02
12	Bongleng	2 x 50	100	100	2009-10
13	Bramdhongchung Ph-II	2 x 50	100	100	2010-11
West Kameng District					
14	Rahung	3 x 250	750	500	1972 - 73
15	Dirang	4 x 500	2000	1500	1977 - 78
16	Saktangrong MHS	3 x 100	300	300	2011-12
17	Zhongdongrong	2 x 500	1000	1000	2016-17
18	Sessa	3 x 500	1500	1500	1992 - 93
19	Domkhrong	2 x 500	1000	1000	2008-09/ 2019-20
20	Dikshi	2 x 30	60	60	2010-11/ 2019-20
21	Khadiyabey	2 x 100	200	200	2011-12
22	Jigaon	2 x 50	100	100	2016-17
East Kameng District					
23	Pakke Kessang	1 x 30	30	30	2001-02
24	Pacha MHS	2 x 1500	3000	3000	2008-09
25	Pakoti	2 x 50	100	100	2010-11
26	Patta Nallah	2 x 50	100	100	2010-11
27	Watte Mame	1 x 50	50	50	2010-11
28	Kade Nallah	1 x 50	50	50	2010-11
Kurung Kumey District					
29	Koye	1 x 50	50	50	2009-10
30	Paya MHS at Hiya	2 x 50	100	100	2011-12
31	Chambang	1 x 30	30	30	2009-10

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry: 01/08/2026
Government of Arunachal Pradesh

Details of Hydro Electric Power Stations

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning
Lower Subansiri District					
32	Mai Ph-I	4 x 500	2000	1500	1977-78
33	Mai Ph-II	2 x 500	1000	500	1982-83
34	Tago	3 x 1500	4500	3000	1992-93
Upper Subansiri District					
35	Sippi	2 x 2000	4000	4000	2008-09
36	Sikin Karo	2 x 100	200	200	2011-12
37	Sinyum Koro	2 x 50	100	100	2011-12
38	Dulom (Daporijo)	4 x 100	400	300	1981-82
39	Ayingmuri MHS	2 x 125	250	250	2012-13
Estern Zone (EZ)					
West Siang District					
40	Pagi (Basar)	2 x 50	100	50	1972-73
41	Ego-Echi (Dali)	4 x 100	400	400	1987-88
42	Liromoba	2 x 1000	2000	2000	2008-09
43	Kamba MHS	3 x 2000	6000	6000	2010
44	Yingko Sikong at Rapum	1 x 50	50	50	2009-10
45	Sirikorang MHS	2x250	500	500	2013-14
46	Solegomang MHS	1 x 50	50	50	2011-12
Lower Dibang Valley District					
Dibang Valley District					
47	Echi Ahfra at Anaya	2 x 200	400	400	2005-06
48	Tah Ahfra Ph-I and Ph-II at Angolin	1 x 50 + 1 x 50	100	100	2001-02 2009-10
49	Chini Ahfra at Amuli	1 x 250	250	250	2001-02
50	Awapani Ph-II at LG	2 x 250	500	250	2005-06
51	Echito Nallah at Dambien	2 x 20	40	40	2010-11
52	Rupapani at Punli	2 x 20	40	40	2010-11
53	Chu Nallah at Mipi	2 x 15	30	30	2011-12
54	Awapani at Gepuline	2 x 250	500	500	2014-15
Changlang District					

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nido
DC Office, Itanagar
Regd. No. 66/2023
Expiry-01/08/2026
Government of Arunachal Pradesh

Details of Hydro Electric Power Stations

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning
55	Jongkey Nallah	1 x 50	50	50	2011-12
56	Chicklong	2 x 75	150	150	2011-12
57	Tissue	4 x 100	400	300	1986-87
58	Tinning	2 x 25	50	50	2010-11
Upper Siang District					
59	Sirnyuk SHP	2 x 1000	2000	2000	1996-97
60	Gosang (siri) MHS	2 x 250	500	500	2011-12
61	Selli MHS at Geku	2 x 250	500	500	1994-95
62	Yingkiong Ph-I MHS	3 x 50	150	150	1980-81
63	Yingkiong Ph-II MHS	2 x 100	200	200	1992-93
64	Kopu MHS at Tuting	1 x 250	250	250	2004
65	Sikut/ Tuting MHS	2 x 50	100	100	1984-85
66	Sillingri (Gelling) MHS	1 x 50	50	50	2008-09
67	Ngaming MHS	1 x 50	50	50	2008-09
68	Singha MHS	1 x 30	30	30	2008-09
69	Mayung	1 x 5	5	5	2011
Anjaw District					
70	Mati Nallah	2 x 250 + 1 x 50	550	500	2004-05
71	Yapak Nallah	2 x 100	200	200	2005-06
72	Kebitho	1 x 30	30	30	2004-05
73	Kaho	1 x 10	10	10	2004-05
74	Krawti Nallah	2 x 50	100	100	2011
75	Teepani MHS	2 x 250	500	500	2009-10
76	Langpani MHS	2 x 200	400	400	2011-12
77	Kachopani MHS	2 x 100	200	200	2014-15
78	Maipani MHS	2 x 30	60	60	2010-11
Tirap District					
79	Charju	3 x 200	600	600	1984-85
80	Thiratju	4 x 250	1000	1000	1977
81	Sumhok Nallah	2 x 50	100	100	2009-10
Siang District					

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Nege Mibo
DC Office, Itanagar
Regd. No. 26/2023
Expiry: 01/08/2028

Details of Hydro Electric Power Stations					
SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning
82	Yembung	4 x 500	2000	2000	1984
East Siang District					
83	Rina	2 x 1000	2000	2000	2008-09
84	Pasighat	2 x 100	200	100	1972
85	Silli	1 x 30	30	30	2001-02
Lohit District					
86	Tafragram	1 x 250	250	250	1984-85
87	Doorah Nallah	2 x 100	200	200	2013-14
		3 x 100	300	300	1976-77
	TOTAL		58355.00	54405.00	

1A. Details of Tato Hydro Electric Power Stations (commissioned before the year 2017)

Details of Tato Hydro Electric Power Stations					
SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning
Eastern Zone (EZ)			(KW)	(KW)	
1	Tato MHS	(2 X 50 kW + 2 X 20 kW)	140	90	2014

2. ENERGY SALES WITHIN THE STATE TO POWER DEPARTMENT

. The entire quantity of electricity generated by the HEPs is being sold within State to the Power Department.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry 31/06/2028
Government of Arunachal Pradesh

2.Performance during 2024-25

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning	Actual Net Generation	Design Energy (Annual)
Western Zone (WZ)			(KW)	(KW)		(KWH)	(MU)
Tawang District							
1	Chellengkang Ph-I	1 x 30	30	30	2004-05	35726	0.25
2	Chellengkang Ph-II	1 x 30	30	30	2008-09	3941	0.25
3	Shakti Nallah	2 x 50	100	50	2008-09	64535	0.83
4	Thimbu	2 x 50	100	100	2009-10	78257	0.83
5	Khet	2 x 50	100	100	2009-10	155826	0.83
6	Tsechu Nallah	2 x 50	100	100	2010-11	69061	0.83
7	Mago MHS	2 x 50	100	100	2014-15	47837	0.83
8	Nuranang	3 x 2000	6000	6000	1996 - 97	7780239	49.93
9	Kitpi Ph-I	3 x 500	1500	1500	1977 - 78	0	12.48
10	Kitpi MHS Ph-II	2 x 1500	3000	3000	2008-09	4906474	24.97
11	T. Gompa	1 x 50	50	50	2001-02	17485	0.42
12	Bongleng	2 x 50	100	100	2009-10	1568	0.83
13	Bramdhongchung Ph-II	2 x 50	100	100	2010-11	0	0.83
West Kameng District							
14	Rahung	3 x 250	750	500	1972 - 73	765624	6.24
15	Dirang	4 x 500	2000	1500	1977 - 78	1871530	16.64
16	Saktangrong MHS	3 x 100	300	300	2011-12	0	2.50
17	Zhongdongrong	2 x 500	1000	1000	2016-17	0	8.32
18	Sessa	3 x 500	1500	1500	1992 - 93	897404	12.48
19	Rupa	2 x 100	200	100	1997 - 98	30760	1.66
20	Dokumpani	1 x 30	30	30	2000-01	8773	0.25
21	Domkhrong	2 x	1000	1000	2008-09/ 2019-	1778700	8.32

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Hibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning	Actual Net Generation	Design Energy (Annual)
		500			20		
22	Ankaling	1 x 30	30	30	2009-10	0	0.25
23	Dikshi	2 x 30	60	60	2010-11/ 2019-20	26713	0.50
24	Khadiyabey	2 x 100	200	200	2011-12	0	1.66
25	Jigaon	2 x 50	100	100	2016-17	24502	0.83
East Kameng District							
26	Pakke Kessang	1 x 30	30	30	2001-02	0	0.25
27	Pacha MHS	2 x 1500	3000	3000	2008-09	6940438	24.97
28	Pakoti	2 x 50	100	100	2010-11	149276	0.83
29	Patta Nallah	2 x 50	100	100	2010-11	219120	0.83
30	Watte Mame	1 x 50	50	50	2010-11	149716	0.42
31	Kade Nallah	1 x 50	50	50	2010-11	0	0.42
Kurung Kumey District							
32	Koye	1 x 50	50	50	2009-10	0	0.42
33	Paya MHS at Hiya	2 x 50	100	100	2011-12	44557	0.83
34	Chambang	1 x 30	30	30	2009-10	0	0.25
Lower Subansiri District							
35	Mai Ph-I	4 x 500	2000	1500	1977-78	268504	16.64
36	Mai Ph-II	2 x 500	1000	500	1982-83	1494466	8.32
37	Tago	3 x 1500	4500	3000	1992-93	275350	37.45
Upper Subansiri District						0	
38	Sippi	2 x 2000	4000	4000	2008-09	6952686	33.29
39	Pinto Karo MHS	1 x 25	25	25	2011-12	0	0.21
40	Sikin Karo	2 x 100	200	200	2011-12	0	1.66
41	Sinyum Koro	2 x 50	100	100	2011-12	92	0.83
42	Dulom (Daporijo)	4 x 100	400	300	1981-82	0	3.33

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nido
DC Office, Itanagar
Regd. No. 20/2023
Expiry on 08/2028

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning	Actual Net Generation	Design Energy (Annual)
43	Ayingmuri MHS	2 x 125	250	250	2012-13	0	2.08
Estern Zone (EZ)							
West Siang District							
44	Pagi (Basar)	2 x 50	100	50	1972-73	74150	0.83
45	Ego-Echi (Dali)	4 x 100	400	400	1987-88	511778	3.33
46	Liromoba	2 x 1000	2000	2000	2008-09	114380	16.64
47	Kamba MHS	3 x 2000	6000	6000	2010	2963169	49.93
48	Yingko Sikong at Rapum	1 x 50	50	50	2009-10	19186	0.42
49	Sirikorang MHS	2x250	500	500	2013-14	775464	4.16
50	Solegomang MHS	1 x 50	50	50	2011-12	19086	0.42
Lower Dibang Valley District							
Dibang Valley District							
51	Echi Ahfra at Anaya	2 x 200	400	200	2005-06	370807	3.33
52	Tah Ahfra Ph-I and Ph-II at Angolin	1 x 50 + 1 x 50	100	100	2001-02 2009-10	1605	0.83
53	Chini Ahfra at Amuli	1 x 250	250	250	2001-02	0	2.08
54	Awapani Ph-II at LG	2 x 250	500	250	2005-06	1428960	4.16
55	Echito Nallah at Dambien	2 x 20	40	40	2010-11	29295	0.33
56	Rupapani at Punli	2 x 20	40	40	2010-11	29219	0.33
57	Chu Nallah at Mipi	2 x 15	30	30	2011-12	24075	0.25
58	Awapani at Gepuline	2 x 250	500	500	2014-15	1084419	4.16
Changlang District							
59	Jongkey Nallah	1 x 50	50	50	2011-12	10993	0.42
60	Chicklong	2 x 75	150	150	2011-12	62141	1.25

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nido
DC Office Itanagar
Regd. No. 20/2023
Expiry 04/06/2028
Government of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning	Actual Net Generation	Design Energy (Annual)
61	Tissue	4 x 100	400	300	1986-87	240	3.33
62	Tinning	2 x 25	50	50	2010-11	5694	0.42
Upper Siang District							
63	Sirnyuk SHP	2 x 1000	2000	2000	1996-97	3690304	16.64
64	Gosang (siri) MHS	2 x 250	500	500	2011-12	281081	4.16
65	Selli MHS at Geku	2 x 250	500	500	1994-95	837206	4.16
66	Yingkiong Ph-I MHS	3 x 50	150	150	1980-81	141079	1.25
67	Yingkiong Ph-II MHS	2 x 100	200	200	1992-93	216874	1.66
68	Kopu MHS at Tuting	1 x 250	250	250	2004	0	2.08
69	Sikut/ Tuting MHS	2 x 50	100	100	1984-85	185454	0.83
70	Sillingri (Gelling) MHS	1 x 50	50	50	2008-09	187197	0.42
71	Ngaming MHS	1 x 50	50	50	2008-09	45749	0.42
72	Singha MHS	1 x 30	30	30	2008-09	85268	0.25
73	Mayung	1 x 5	5	5	2011	4803	0.04
Anjaw District							
74	Mati Nallah	2 x 250 + 1 x 50	550	500	2004-05	1232292	4.58
75	Yapak Nallah	2 x 100	200	200	2005-06	904905	1.66
76	Kebitho	1 x 30	30	30	2004-05	0	0.25
77	Kaho	1 x 10	10	10	2004-05	0	0.08
78	Krawti Nallah	2 x 50	100	100	2011	149749	0.83
79	Teepani MHS	2 x 250	500	500	2009-10	956171	4.16
80	Langpani MHS	2 x 200	400	400	2011-12	41615	3.33
81	Kachopani MHS	2 x 100	200	200	2014-15	143122	1.66

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Govt. of Arunachal Pradesh
Adv. Hage Mibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry dt. 06/2028

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning	Actual Net Generation	Design Energy (Annual)
82	Maipani MHS	2 x 30	60	60	2010-11	0	0.50
Tirap District							
83	Charju	3 x 200	600	600	1984-85	558886	4.99
84	Thiratju	4 x 250	1000	1000	1977	20197	8.32
85	Sumhok Nallah	2 x 50	100	100	2009-10	0	0.83
Siang District							
86	Yembung	4 x 500	2000	2000	1984	2105793	16.64
East Siang District							
87	Rina	2 x 1000	2000	2000	2008-09	1324920	16.64
88	Pasighat	2 x 100	200	100	1972	19186	1.66
89	Silli	1 x 30	30	30	2001-02	22560	0.25
Lohit District							
90	Tafragram	1 x 250	250	250	1984-85	94857	2.08
91	Doorah Nallah	2 x 100	200	200	2013-14	207719	1.66
		3 x 100	300	300	1976-77	0	2.50
	TOTAL		**58640**	**54390**		**56040806**	

Details of Hydro Electric Power Stations						**2024-25**	
SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Year of Commissioning	Actual Net Generation	Design Energy (Annual)
Eastern Zone (EZ)			(KW)	(KW)		(KWH)	(MU)
1	Tato MHS	(2 X 50 kW + 2 X 20 kW)	140	90	2014	95891	1.17

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Rage Nilo
DC Office, Itanagar
Regd. No. 20/2023
Govt. of Arunachal Pradesh

3.The projected net generation for FY 2025-26 is given below: -

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Projected Net Generation
Western Zone (WZ)			(KW)	(KW)	(KWH)
Tawang District					
1	Chellengkang Ph-I	1 x 30	30	30	17723
2	Chellengkang Ph-II	1 x 30	30	30	9132
3	Shakti Nallah	2 x 50	100	50	51420
4	Thimbu	2 x 50	100	100	89559
5	Khet	2 x 50	100	100	148840
6	Tsechu Nallah	2 x 50	100	100	65788
7	Mago MHS	2 x 50	100	100	47000
8	Nuranang	3 x 2000	6000	6000	7290507
9	Kitpi Ph-I	3 x 500	1500	1500	0
10	Kitpi MHS Ph-II	2 x 1500	3000	3000	4410149
11	T. Gompa	1 x 50	50	50	29938
12	Bongleng	2 x 50	100	100	15683
13	Bramdhongchung Ph-II	2 x 50	100	100	0
West Kameng District					
14	Rahung	3 x 250	750	500	783453
15	Dirang	4 x 500	2000	1500	1255625
16	Saktangrong MHS	3 x 100	300	300	0
17	Zhongdongrong	2 x 500	1000	1000	0
18	Sessa	3 x 500	1500	1500	864910
19	Domkhrong	2 x 500	1000	1000	1559180
20	Dikshi	2 x 30	60	60	54042
21	Khadiyabey	2 x 100	200	200	0
22	Jigaon	2 x 50	100	100	14580
East Kameng District					
23	Pakke Kessang	1 x 30	30	30	22200
24	Pacha MHS	2 x 1500	3000	3000	7501247
25	Pakoti	2 x 50	100	100	149217
26	Patta Nallah	2 x 50	100	100	189889
27	Watte Mame	1 x 50	50	50	130635

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/06/2028
Government of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Projected Net Generation
28	Kade Nallah	1 x 50	50	50	0
Kurung Kumey District					
29	Koye	1 x 50	50	50	0
30	Paya MHS at Hiya	2 x 50	100	100	16908
31	Chambang	1 x 30	30	30	0
Lower Subansiri District					
32	Mai Ph-I	4 x 500	2000	1500	0
33	Mai Ph-II	2 x 500	1000	500	1437733
34	Tago	3 x 1500	4500	3000	892644
Upper Subansiri District					
35	Sippi	2 x 2000	4000	4000	8939419
36	Sikin Karo	2 x 100	200	200	0
37	Sinyum Koro	2 x 50	100	100	93
38	Dulom (Daporijo)	4 x 100	400	300	0
39	Ayingmuri MHS	2 x 125	250	250	27792
Estern Zone (EZ)					
West Siang District					
40	Pagi (Basar)	2 x 50	100	50	78186
41	Ego-Echi (Dali)	4 x 100	400	400	525916
42	Liromoba	2 x 1000	2000	2000	114380
43	Kamba MHS	3 x 2000	6000	6000	3036924
44	Yingko Sikong at Rapum	1 x 50	50	50	18006
45	Sirikorang MHS	2x250	500	500	838949
46	Solegomang MHS	1 x 50	50	50	14663
Lower Dibang Valley District					
Dibang Valley District					
47	Echi Ahfra at Anaya	2 x 200	400	400	389362
48	Tah Ahfra Ph-I and Ph-II at Angolin	1 x 50 + 1 x 50	100	100	530
49	Chini Ahfra at Amuli	1 x 250	250	250	0
50	Awapani Ph-II at LG	2 x 250	500	250	1412203
51	Echito Nallah at Dambien	2 x 20	40	40	26216

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Mide
DC Office, Itanagar
Regd. No. 201/2023
Expiry date/2028
Government of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Projected Net Generation
52	Rupapani at Punli	2 x 20	40	40	23092
53	Chu Nallah at Mipi	2 x 15	30	30	15580
54	Awapani at Gepuline	2 x 250	500	500	1103642
Changlang District					
55	Jongkey Nallah	1 x 50	50	50	7322
56	Chicklong	2 x 75	150	150	57906
57	Tissue	4 x 100	400	300	0
58	Tinning	2 x 25	50	50	2334
Upper Siang District					
59	Sirnyuk SHP	2 x 1000	2000	2000	3614474
60	Gosang (siri) MHS	2 x 250	500	500	321268
61	Selli MHS at Geku	2 x 250	500	500	684334
62	Yingkiong Ph-I MHS	3 x 50	150	150	171588
63	Yingkiong Ph-II MHS	2 x 100	200	200	203906
64	Kopu MHS at Tuting	1 x 250	250	250	53947
65	Sikut/ Tuting MHS	2 x 50	100	100	201669
66	Sillingri (Gelling) MHS	1 x 50	50	50	152870
67	Ngaming MHS	1 x 50	50	50	51160
68	Singha MHS	1 x 30	30	30	72100
69	Mayung	1 x 5	5	5	4286
Anjaw District					
70	Mati Nallah	2 x 250 + 1 x 50	550	500	1250388
71	Yapak Nallah	2 x 100	200	200	984205
72	Kebitho	1 x 30	30	30	0
73	Kaho	1 x 10	10	10	0
74	Krawti Nallah	2 x 50	100	100	176714
75	Teepani MHS	2 x 250	500	500	873102
76	Langpani MHS	2 x 200	400	400	89656
77	Kachopani MHS	2 x 100	200	200	172721
78	Maipani MHS	2 x 30	60	60	0
Tirap District					
79	Charju	3 x 200	600	600	571391

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/05/2028
Government of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Projected Net Generation
80	Thiratju	4 x 250	1000	1000	22611
81	Sumhok Nallah	2 x 50	100	100	0
Siang District					
82	Yembung	4 x 500	2000	2000	2114171
East Siang District					
83	Rina	2 x 1000	2000	2000	1118089
84	Pasighat	2 x 100	200	100	37591
85	Silli	1 x 30	30	30	23077
Lohit District					
86	Tafragram	1 x 250	250	250	79084
87	Doorah Nallah	2 x 100	200	200	222198
		3 x 100	300	300	0
	TOTAL		**58355.00**	**54405.00**	**56947120.65**

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Projected Net Generation
Eastern Zone (EZ)			**(KW)**	**(KW)**	**(KWH)**
1	**Tato MHS**	(2 X 50 kW + 2 X 20 kW)	140	90	113062

A. *DETERMINATION OF TARIFF FOR THE HEPs*

ARR & tariff has been calculated on parameters as defined in the APSERC (Terms & Conditions for Determination of Renewable Energy Tariff) Regulations, 2024.

The RE Regulations, 2024 provides that tariff for sale of electricity from a hydro power station shall be aimed at recovering the Annual Fixed Charges and various components of AFC has been defined in Regulation 11.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC

Accordingly, following has been considered for calculating Annual Fixed Charges for the HEP:

Annual Fixed Charges:

The Annual Fixed Charges (AFC) is determined based on following factors: -

a) Project Cost

b) Design Energy

c) Interest on Loan Capital.

d) Depreciation.

e) Return on Equity.

f) Operation & Maintenance Expenses.

g) Interest on Working Capital.

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

4. The assumptions considered for the HEPs are given below:

Sl. No.	Particulars	Unit	Value	
1	**Auxiliary Consumption**	%	1	
2	**O&M Expenses**	Below 500KW – 41.78 Lakh/MW		
		500KW-1MW- 31.34 Lakh/MW		
	Escalation	%	5.89% per annum	
3	**Depreciation**		NA	
	Plant Life	years	40	
	Residual	%	10	
4	**Working Capital**			
	Receivable (45 days Energy Charges)	Months	1 Month 15 days	
	O & M Expenses	Months	1	
	Spares for Maintenance	%	15	O&M Expenses
	Rate of Interest	%	SBI MCLR (One year Tenor) + 325 basis point	
5	**Return on Equity**	%	NA	

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Sl. No.	Particulars	Unit	Value	
6	Equity	%	30	Net Project Cost
	Loan	%	70	Net Project Cost
7	Interest	%	NA	
8	Moratorium		No moratorium after COD	

a) **Capital Cost**

Clause 14 of APSERC (Terms and Conditions for Determination of Renewable Energy Tariff) Regulations, 2024 provides that the capital cost as specified in the technology specific chapters of the Regulation shall be considered for determination of AFC & Tariff. Capital as approved by the Commission shall be considered for project specific tariff.
The Hon'ble Commission has approved the capital cost of 79 HEPs in the Tariff Order Dt. 20.12.2019 for the FY 2019-20. Further, in respect of 37 HEPs Hon'ble Commission in the Tariff Order Dt.31.12.2024 for the FY 2024-25 has observed as below.

"The Commission has referred the Tariff Order of DHPD for the fiscal year 2019-20, dated 20/12/2019, in which the Commission has approved the capital cost of 79 Hydroelectric Projects (HEPs) after conducting a thorough review and analysis of the documents submitted by the Petitioner. In the present matter, the Petitioner has sought approval for the capital cost of the remaining 37 HEPs, for which approval was not granted by the Commission at that time due to inadequate data.

In the present context for approval of the capital cost of 37 HEPs the Petitioner has stated that the capital cost was determined considering the APSERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2012.

The Commission has reviewed the APSERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2012, for the purpose of determining the capital cost of the plants. The Commission has also examined the submission made by the petitioner in which the Petitioner has provided the capital cost for each individual plant. Upon scrutinizing the submitted details, the Commission has noted that the Petitioner failed to submit the base cost used for the calculation of capital costs, prior to the application of the relevant escalations, as stipulated under the APSERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2012.

In the absence of the base data, the Commission is unable to proceed with the approval of the capital cost for the 37 Hydroelectric Projects (HEPs). Consequently, the Commission does not grant approval for the capital cost of the 37 HEPs at this time. However, the Commission provides the Petitioner with an opportunity to seek approval for the capital

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibe
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

cost of the 37 HEPs upon the submission of a detailed cost breakdown, along with the necessary supporting documentation in future petition."

It is submitted that DHPD is making efforts to finalise the capital cost HEPs based on the cost data/records. The same shall be submitted for consideration of the Hon'ble Commission. However, the projects which have either been approved for write-off or are under process to be written off have already been excluded in the instant petition as submitted supra.

b) **Design Energy**

Design energy of the HEPs has been calculated in accordance with the APSERC Regulations. Design energy of the HEPs is provided in the table below. Regulation 27 of RE Regulations, 2024 provides that CUF for SHPs is to be considered as 45%.

5. DESING ENERGY

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Design Energy (Annual)
Western Zone (WZ)			(KW)	(KW)	(MU)
Tawang District					
1	Chellengkang Ph-I	1 x 30	30	30	0.25
2	Chellengkang Ph-II	1 x 30	30	30	0.25
3	Shakti Nallah	2 x 50	100	50	0.83
4	Thimbu	2 x 50	100	100	0.83
5	Khet	2 x 50	100	100	0.83
6	Tsechu Nallah	2 x 50	100	100	0.83
7	Mago MHS	2 x 50	100	100	0.83
8	Nuranang	3 x 2000	6000	6000	49.93
9	Kitpi Ph-I	3 x 500	1500	1500	12.48
10	Kitpi MHS Ph-II	2 x 1500	3000	3000	24.97
11	T. Gompa	1 x 50	50	50	0.42
12	Bongleng	2 x 50	100	100	0.83
13	Bramdhongchung Ph-II	2 x 50	100	100	0.83
West Kameng District					
14	Rahung	3 x 250	750	500	6.24

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry: 31/06/2028
Govt. of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Design Energy (Annual)
15	Dirang	4 x 500	2000	1500	16.64
16	Saktangrong MHS	3 x 100	300	300	2.50
17	Zhongdongrong	2 x 500	1000	1000	8.32
18	Sessa	3 x 500	1500	1500	12.48
19	Domkhrong	2 x 500	1000	1000	8.32
20	Dikshi	2 x 30	60	60	0.50
21	Khadiyabey	2 x 100	200	200	1.66
22	Jigaon	2 x 50	100	100	0.83
East Kameng District					
23	Pakke Kessang	1 x 30	30	30	0.25
24	Pacha MHS	2 x 1500	3000	3000	24.97
25	Pakoti	2 x 50	100	100	0.83
26	Patta Nallah	2 x 50	100	100	0.83
27	Watte Mame	1 x 50	50	50	0.42
28	Kade Nallah	1 x 50	50	50	0.42
Kurung Kumey District					
29	Koye	1 x 50	50	50	0.42
30	Paya MHS at Hiya	2 x 50	100	100	0.83
31	Chambang	1 x 30	30	30	0.25
Lower Subansiri District					
32	Mai Ph-I	4 x 500	2000	1500	16.64
33	Mai Ph-II	2 x 500	1000	500	8.32
34	Tago	3 x 1500	4500	3000	37.45
Upper Subansiri District					
35	Sippi	2 x 2000	4000	4000	33.29
36	Sikin Karo	2 x 100	200	200	1.66
37	Sinyum Koro	2 x 50	100	100	0.83
38	Dulom (Daporijo)	4 x 100	400	300	3.33
39	Ayingmuri MHS	2 x 125	250	250	2.08
Estern Zone (EZ)					
West Siang District					
40	Pagi (Basar)	2 x 50	100	50	0.83

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibe
DC Office, Itanagar
Regd. No. 20/2023
Expiry Date 2028
Government of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Design Energy (Annual)
41	Ego-Echi (Dali)	4 x 100	400	400	3.33
42	Liromoba	2 x 1000	2000	2000	16.64
43	Kamba MHS	3 x 2000	6000	6000	49.93
44	Yingko Sikong at Rapum	1 x 50	50	50	0.42
45	Sirikorang MHS	2x250	500	500	4.16
46	Solegomang MHS	1 x 50	50	50	0.42
Lower Dibang Valley District					
Dibang Valley District					
47	Echi Ahfra at Anaya	2 x 200	400	400	3.33
48	Tah Ahfra Ph-I and Ph-II at Angolin	1 x 50 + 1 x 50	100	100	0.83
49	Chini Ahfra at Amuli	1 x 250	250	250	2.08
50	Awapani Ph-II at LG	2 x 250	500	250	4.16
51	Echito Nallah at Dambien	2 x 20	40	40	0.33
52	Rupapani at Punli	2 x 20	40	40	0.33
53	Chu Nallah at Mipi	2 x 15	30	30	0.25
54	Awapani at Gepuline	2 x 250	500	500	4.16
Changlang District					
55	Jongkey Nallah	1 x 50	50	50	0.42
56	Chicklong	2 x 75	150	150	1.25
57	Tissue	4 x 100	400	300	3.33
58	Tinning	2 x 25	50	50	0.42
Upper Siang District					
59	Sirnyuk SHP	2 x 1000	2000	2000	16.64
60	Gosang (siri) MHS	2 x 250	500	500	4.16
61	Selli MHS at Geku	2 x 250	500	500	4.16
62	Yingkiong Ph-I MHS	3 x 50	150	150	1.25
63	Yingkiong Ph-II MHS	2 x 100	200	200	1.66
64	Kopu MHS at Tuting	1 x 250	250	250	2.08
65	Sikut/ Tuting MHS	2 x 50	100	100	0.83
66	Sillingri (Gelling) MHS	1 x 50	50	50	0.42
67	Ngaming MHS	1 x 50	50	50	0.42
68	Singha MHS	1 x 30	30	30	0.25

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 28/2023
Expiry Dtd/2026
Govt. of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Design Energy (Annual)
69	Mayung	1 x 5	5	5	0.04
Anjaw District					
70	Mati Nallah	2 x 250 + 1 x 50	550	500	4.58
71	Yapak Nallah	2 x 100	200	200	1.66
72	Kebitho	1 x 30	30	30	0.25
73	Kaho	1 x 10	10	10	0.08
74	Krawti Nallah	2 x 50	100	100	0.83
75	Teepani MHS	2 x 250	500	500	4.16
76	Langpani MHS	2 x 200	400	400	3.33
77	Kachopani MHS	2 x 100	200	200	1.66
78	Maipani MHS	2 x 30	60	60	0.50
Tirap District					
79	Charju	3 x 200	600	600	4.99
80	Thiratju	4 x 250	1000	1000	8.32
81	Sumhok Nallah	2 x 50	100	100	0.83
Siang District					
82	Yembung	4 x 500	2000	2000	16.64
East Siang District					
83	Rina	2 x 1000	2000	2000	16.64
84	Pasighat	2 x 100	200	100	1.66
85	Silli	1 x 30	30	30	0.25
Lohit District					
86	Tafragram	1 x 250	250	250	2.08
87	Doorah Nallah	2 x 100	200	200	1.66
		3 x 100	300	300	2.50
	TOTAL		**58355.00**	**54405.00**	**485.63**

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Miba
BC Office, Itanagar
Regd. No. 20/2023
Expiry: 31/12/2026
Govt. of Arunachal Pradesh

SL. No.	Name of the Stations	Units	Installed Capacity	Firm Capacity	Design Energy (Annual)
Eastern Zone (EZ)			(KW)	(KW)	(MU)
1	Tato MHS	(2 X 50 kW + 2 X 20 kW)	140	90	1.17

c) **Interest on Loan Capital**

Clause 16 of APSERC RE Regulations,2024 provides that interest on loan taken to fund the cost of project shall be recovered through tariff. DHPD has not taken any loan for financing the projects. In view of the above, no interest on loan has been claimed. DHPD submits that it will claim interest on loan in accordance with the above regulation in case loan is availed for financing of projects in future.

d) **Depreciation**

Regulation 17 of APSERC RE Regulations,2024 provides that depreciation is to be calculated on the capital cost admitted by the Commission considering salvage value as 10%. The depreciation is to be calculated at 4.67% for the first 15 years and remaining depreciation to be spread over remaining useful life of the project. The rate of depreciation has been considered at 4.67% as per RE Regulation,2024. The entire capital cost of the projects is being funded by Government of Arunachal Pradesh as a grant. In view of the above, DHPD has not claimed depreciation for the FY 2026-27.

e) **Return on Equity (ROE)**

As per provision under Regulation 18 of APSERC Regulations, 2024, Return on Equity has been considered @ 14.5% per annum.
The entire capital cost of the projects is being funded by Government of Arunachal Pradesh as a grant.
In view of the above, DHPD has not claimed Return on Equity for the FY 2026-27.

f) **Operation & Maintenance Expenses**

Regulation 29 of APSERC RE Regulations, 2024 provides that normative O&M for SHPs below 500 KW shall be Rs. 41.78 Lakh/MW & SHP between 500 KW to 1 MW shall be Rs.31.34 Lakh/MW for the base year of 2024.25. Further, Regulation 21.2 provides for an escalation of 5.89% per annum on the above normative O&M for subsequent years.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Govt. of Arunachal Pradesh

However, the Hon'ble Commission has already approved O&M expenses in respect of the SHPs in the Tariff Order Dt. 17.07.2025 for the FY 2025-26. DHPD has taken the approved O&M expenses for the FY 2025-26 as base and has escalated the same with the escalation factor of 5.89% per annum as provided in Regulation 21.2 of APSERC RE Regulations, 2024 to arrive at the proposed O&M expenses of the respective SHPs for the FY 2026-27.

The summary of O&M expenses is provided below. The SHP wise O&M expenses are provided in the **Annexure – 2.**

Table – 6.1 O&M Expenses for the FY 2026-27

Projects Commissioned up-to -31.03.2017

Sl. No.	Particular	Installed Capacity (MW)	Firm Capacity (MW)	O & M COST for FY 2026-27 (Rs. In Lakh)
1	87 HEPs	58.36	54.41	2870.78

O&M expenses for TATO Hep

APSERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations,2018 provides for determination of tariff from renewable energy sources with effect from 21st May 2018. The HEP was taken over by the Department on 25.06.2020. Accordingly, provisions of Tariff Regulations, 2018 has been considered for determination of O&M expenses for the HEP.

Regulation 29 (1) of the APSERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations,2018 provides the normative O&M expenses for the FY 2018-19 as Rs. 38.06 Lakh/MW for HEPs with installed capacity below 5 MW. Further, Regulation 29(2) provides for escalation at the rate of 5.72% per annum to arrive at the normative O&M for the respective year.

Further, Regulation 29.2 of APSERC (Terms & Conditions for Tariff Determination from Renewable Energy Tariff) Regulations,2024 provides for escalation of 5.89% per annum for determination of normative O&M for the respective year.

In view of the above, DHPD has taken base O&M expenses of Rs. 38.06 Lakh/MW (for FY 2018-19) and escalated the same with 5.72% per annum to arrive at the normative O&M upto FY 2024-25. Thereafter, escalation rate of 5.89% per annum (as per Tariff Regulations, 2024) has been considered for arriving at the normative O&M expenses for the FY 2026-27. The details of the O&M expenses are provided in the table below.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 2012023
Expiry 01/08/2028
Government of Arunachal Pradesh

Table - 6.2 O&M Expenses for the FY 2026-27				
Projects Commissioned up-to -31.03.2017				
Sl. No.	Particular	Installed Capacity (MW)	Firm Capacity (MW)	O & M COST for FY 2026-27 (Rs. In Lakh)
1	TATO MHS	0.14	0.09	8.34

g) **Interest on Working Capital**

The requirement of Working Capital & Interest thereon has been computed as per Regulation 19 - "Interest on Working Capital" of the APSERC RE Regulations,2024. Interest @ 12.22 % per annum on working capital has been considered which is 325 basis points above the SBI MCLR (One year tenor) for last six months. The average SBI MCLR (One year tenor) for last six months is 8.97%. The summary of IWC is provided below.

Table - 7.1 Interest on Working Capital for the FY 2026-27		
Projects Commissioned up-to -31.03.2017 (for 87 HEPs)		
S. No.	Particulars	FY 2026-27 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	239.23
2	Maintenance of Spares (15% of O&M)	430.62
3	Receivables (45 days of fixed cost)	374.80
4	**Total**	**1044.65**
5	Interest on Working Capital @ 12.22%	127.61

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry 01/06/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Table - 7.2 Interest on Working Capital for the FY 2026-27		
TATO MHS		
S. No.	Particulars	FY 2026-27 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	0.70
2	Maintenance of Spares (15% of O&M)	1.25
3	Receivables (45 days of fixed cost)	1.09
4	**Total**	**3.04**
5	Interest on Working Capital @ 12.22%	0.37

The details of SBI MCLR (One year tenor) for last six months is provided below: -

Table- 8 Marginal Cost Lending Rates (SBI)	
Effective Date	Interest rate (%)
	1 Year
15.07.2025	8.80
15.06.2025	9.00
15.05.2025	9.00
15.04.2025	9.00
15.03.2025	9.00
15.02.2025	9.00

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/05/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

3. TOTAL ANNUAL FIXED CHARGES (AFC) FOR THE HEPS

Based on the above parameters, AFC for the Financial Year 2026-27 are given in the table below.

Table – 9.1 Annual Fixed Charge (AFC) for the FY 2026-27

Projects Commissioned up-to -31.03.2017 (for 87 HEPs)

(Rs in Lakhs)

SL. No.	Financial Year	2026-27
1	Depreciation	0.00
2	Return on Equity	0.00
3	Interest on loan	0.00
4	O&M Expenses	2870.78
5	Interest on Working Capital	127.61
6	**Total Annual Fixed Cost**	2998.40

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 2042023
Expiry-01/08/2028
Government of Arunachal Pradesh

Table – 9.2 Annual Fixed Charge (AFC) for the FY 2026-27

TATO MHS

(Rs in Lakhs)

SL. No.	Financial Year	2026-27
1	Depreciation	0.00
2	Return on Equity	0.00
3	Interest on loan	0.00
4	O&M Expenses	8.34
5	Interest on Working Capital	0.37
6	**Total Annual Fixed Cost**	8.71

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

3. a) Tariff

It is submitted that the Hon'ble Commission in the Tariff Order Dt. 17.07.2025 for the FY 2025-26 has approved the CUF as 45% & auxiliary consumption as 1% for the SHPs. The extract of the order is produced below.

*"The Commission has referred to Close 36 and Clause 37 of the APSERC (Terms and Conditions for Determination of Renewable Energy Tariff Regulations,2024 which line the parameters for determining CUF and Auxiliary Consumption for such plant and has considered accordingly for the calculation of gross and net generation for the plants. The relevant excerpt from the Regulations is referred below: "**36. Capacity Utilisation Factor** The minimum CUF for Small Hydro project shall be 45%. Provided that the Commission may deviate from the above norm in case of project specific tariff determination based on designed load factor / CUF.*

3 7, Auxiliary Consumption

The auxiliary consumption factor shall be l% gross generation. Provided that the Commission may deviate from the above norm in case of project specific tariff determination in pursuance of Regulation 8 and Regulation 9. "

In view of the above order of the Hon'ble Commission for the FY 2025-26, DHPD in the instant petition for the FY 2026-27 has considered the CUF and auxiliary consumption as approved by the Hon'ble Commission. Accordingly, CUF of 45% & auxiliary consumption of 1% has been considered to arrive at the saleable energy for the FY 2026-27.

Further, based on the Annual Fixed Charges and the CUF as discussed above, the tariff for the year 2026-27 is worked out here under.

Table - 10.1 Tariff for the FY 2026-27

Projects Commissioned up-to -31.03.2017 (for 87 HEPs)

(Rs in Lakhs)

SL. No.	Particulars	FY 2026-27
1	Annual Fixed Charges	2998.40
2	Installed Capacity	54.41
3	CUF considered (%)	0.45
4	Gross Energy (MU)	214.46
5	Auxiliary Power Consumption (1%)	2.14

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry 01/08/2028
Government of Arunachal Pradesh

Table - 10.1 Tariff for the FY 2026-27		
Projects Commissioned up-to -31.03.2017 (for 87 HEPs)		
		(Rs in Lakhs)
SL. No.	Particulars	FY 2026-27
6	Saleable Energy (MU)	212.32
7	Tariff (Rs. /kWh)	1.41

Table - 10.2 Tariff for the FY 2026-27		
TATO MHS		
		(Rs in Lakhs)
SL. No.	Particulars	FY 2026-27
1	Annual Fixed Charges	8.71
2	Installed Capacity	0.09
3	CUF considered (%)	0.45
4	Gross Energy (MU)	0.35
5	Auxiliary Power Consumption (1%)	0.00
6	Saleable Energy (MU)	0.35
7	Tariff (Rs. /kWh)	2.48

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

PRAYER

It is respectfully prayed that the Hon'ble Commission may be pleased to:

(a) Approve the Annual Fixed Charges & Tariff as submitted.

(b) Pass such other and further order(s) as are deemed fit and proper in the facts and circumstances of the case.

Authorised Signatory

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Place: Itanagar

Date: 09/02/26

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

ANNEXURES

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Annexure 1: - Details of 4 plants that have been sanctioned for write-off

SL. NO.	Name of Hydel Station	Installed Capacity	Firm Capacity (in KW)	Year of Commissioning	Remarks (as of 31st March 2025)
1	Rupa	2 x 100	100	1997 - 98	Unit-I Shutdown w.e.f 20/11/24 due to damage of civil components like penstock pipe. Unit-II Shutdown due to malfunction of ELC.
2	Dokumpani	1 x 30	30	2000 - 01	Shutdown w.e.f 01-01-25 due to low water discharge.
3	Anlaking	1 x 30	30	2009 - 10	Plant shutdown due to damage of power channel by landslide.
4	Pinto Karo MHS	1 x 30	25	2011 - 12	Commissioned w.e.f 16/12/16 however shutdown due to absence of 11/0.415 KV distribution transformer at Nirin Village.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Government of Arunachal Pradesh
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028

Annexure 2: - O&M Cost for FY 2026-27

O&M Cost for FY 2026-27					
Sl. No.	Name of Station	Installed Capacity (MW)	Firm Capacity (MW)	O & M COST for FY 2025-26 (Rs. In Lakh)	O & M COST for FY 2026-27 (Rs. In Lakh)
1	Chellengkang Ph-I	0.03	0.03	1.58	1.67
2	Chellengkang Ph-II	0.03	0.03	1.58	1.67
3	Shakti Nallah	0.10	0.05	2.63	2.78
4	Thimbu	0.10	0.10	5.27	5.58
5	Khet	0.10	0.10	5.27	5.58
6	Tsechu Nallah	0.10	0.10	5.27	5.58
7	Mago MHS	0.10	0.10	5.27	5.58
8	Nuranang	6.00	6.00	238.76	252.82
9	Kitpi Ph-I	1.50	1.50	78.99	83.64
10	Kitpi MHS Ph-II	3.00	3.00	157.98	167.29
11	T. Gompa	0.05	0.05	2.63	2.78
12	Bongleng	0.10	0.10	5.27	5.58
13	Bramdhongchung Ph-II	0.10	0.10	5.27	5.58
14	Rahung	0.75	0.50	26.33	27.88
15	Dirang	2.00	1.50	78.99	83.64
16	Saktangrong MHS	0.30	0.30	15.80	16.73
17	Zhongdongrong	1.00	1.00	52.66	55.76
18	Sessa	1.50	1.50	78.99	83.64
19	Domkhrong	1.00	1.00	52.66	55.76
20	Dikshi	0.06	0.06	3.16	3.35
21	Khadiyabey	0.20	0.20	10.53	11.15
22	Jigaon	0.10	0.10	5.27	5.58
23	Pakke Kessang	0.03	0.03	1.58	1.67
24	Pacha MHS	3.00	3.00	157.98	167.29
25	Pakoti	0.10	0.10	5.27	5.58
26	Patta Nallah	0.10	0.10	5.27	5.58
27	Watte Mame	0.05	0.05	2.63	2.78
28	Kade Nallah	0.05	0.05	2.63	2.78
29	Koye	0.05	0.05	2.63	2.78
30	Paya MHS at Hiya	0.10	0.10	5.27	5.58
31	Chambang	0.03	0.03	1.58	1.67
32	Mai Ph-I	2.00	1.50	78.99	83.64
33	Mai Ph-II	1.00	0.50	26.33	27.88
34	Tago	4.50	3.00	157.98	167.29
35	Sippi	4.00	4.00	210.64	223.05
36	Sikin Karo	0.20	0.20	10.53	11.15

NOTARY PUBLIC
Adv. Nage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/06/2028

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

O&M Cost for FY 2026-27					
Sl. No.	Name of Station	Installed Capacity (MW)	Firm Capacity (MW)	O & M COST for FY 2025-26 (Rs. In Lakh)	O & M COST for FY 2026-27 (Rs. In Lakh)
37	Sinyum Koro	0.10	0.10	5.27	5.58
38	Dulom (Daporijo)	0.40	0.30	15.80	16.73
39	Ayingmuri MHS	0.25	0.25	13.16	13.94
40	Pagi (Basar)	0.10	0.05	2.63	2.78
41	Ego-Echi (Dali)	0.40	0.40	21.06	22.30
42	Liromoba	2.00	2.00	105.32	111.52
43	Kamba MHS	6.00	6.00	238.76	252.82
44	Yingko Sikong at Rapum	0.05	0.05	2.63	2.78
45	Sirikorang MHS	0.50	0.50	26.33	27.88
46	Solegomang MHS	0.05	0.05	2.63	2.78
47	Echi Ahfra at Anaya	0.40	0.40	21.06	22.30
48	Tah Ahfra Ph-I and Ph-II at Angolin	0.10	0.10	5.27	5.58
49	Chini Ahfra at Amuli	0.25	0.25	13.16	13.94
50	Awapani Ph-II at LG	0.50	0.25	13.16	13.94
51	Echito Nallah at Dambien	0.04	0.04	2.11	2.23
52	Rupapani at Punli	0.04	0.04	2.11	2.23
53	Chu Nallah at Mipi	0.03	0.03	1.58	1.67
54	Awapani at Gepuline	0.50	0.50	26.33	27.88
55	Jongkey Nallah	0.05	0.05	2.63	2.78
56	Chicklong	0.15	0.15	7.90	8.37
57	Tissue	0.40	0.30	15.80	16.73
58	Tinning	0.05	0.05	2.63	2.78
59	Sirnyuk SHP	2.00	2.00	105.32	111.52
60	Gosang (siri) MHS	0.50	0.50	26.33	27.88
61	Selli MHS at Geku	0.50	0.50	26.33	27.88
62	Yingkiong Ph-I MHS	0.15	0.15	7.90	8.37
63	Yingkiong Ph-II MHS	0.20	0.20	10.53	11.15
64	Kopu MHS at Tuting	0.25	0.25	13.16	13.94
65	Sikut/ Tuting MHS	0.10	0.10	5.27	5.58
66	Sillingri (Gelling) MHS	0.05	0.05	2.63	2.78
67	Ngaming MHS	0.05	0.05	2.63	2.78
68	Singha MHS	0.03	0.03	1.58	1.67
69	Mayung	0.01	0.01	0.79	0.84
70	Mati Nallah	0.55	0.50	26.33	27.88
71	Yapak Nallah	0.20	0.20	10.53	11.15
72	Kebitho	0.03	0.03	1.58	1.67
73	Kaho	0.01	0.01	0.53	0.56

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

O&M Cost for FY 2026-27					
Sl. No.	Name of Station	Installed Capacity (MW)	Firm Capacity (MW)	O & M COST for FY 2025-26 (Rs. In Lakh)	O & M COST for FY 2026-27 (Rs. In Lakh)
74	Krawti Nallah	0.10	0.10	5.27	5.58
75	Teepani MHS	0.50	0.50	26.33	27.88
76	Langpani MHS	0.40	0.40	21.06	22.30
77	Kachopani MHS	0.20	0.20	10.53	11.15
78	Maipani MHS	0.06	0.06	3.16	3.35
79	Charju	0.60	0.60	31.60	33.46
80	Thiratju	1.00	1.00	52.66	55.76
81	Sumhok Nallah	0.10	0.10	5.27	5.58
82	Yembung	2.00	2.00	105.32	111.52
83	Rina	2.00	2.00	105.32	111.52
84	Pasighat	0.20	0.10	5.27	5.58
85	Silli	0.03	0.03	1.58	1.67
86	Tafragram	0.25	0.25	13.16	13.94
87	Doorah Nallah	0.50	0.50	26.33	27.88
TOTAL AMOUNT		**58.36**	**54.41**	**2711.10**	**2870.78**

O&M Cost for FY 2026-27					
Sl. No.	Name of Station	Installed Capacity (MW)	Firm Capacity (MW)	O & M COST for FY 2025-26 (Rs. In Lakh)	O & M COST for FY 2026-27 (Rs. In Lakh)
1	Tato MHS	0.14	0.09	7.88	8.34

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

Annexure 3: - Total Number of Employees

SL. NO.	Particulars	2023-24 (Actual)	2024-25 (Estimate)	2025-26 (Projected)
1	Number of employees as on 1st April	2305	2305	2304
2	Number of employees recruited during the year			
3	Number of employees deputation/ foreign service as on 1st April			
4	Total Number of employees (1+2+3)	2305	2305	2304
5	Number of employees retired /retiring during the year		1	
6	Number of employees at the end of the year (4-5)	2305	2304	2304

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028
Government of Arunachal Pradesh

DIRECTIVES

7.1 The Petitioner is directed to strictly adhere to the timeline for filing tariff petition complete in all aspects with all required data in prescribed format by 30th November of each year. In this regard the Petitioner is directed to submit Petition for FY 2026-27 complete in all aspects by 30th November 2025.

Reply: - It is submitted that, DHPD shall ensure filing of the tariff petition by 30th November of each year.

For the year 2026-27, there has been inordinate delay on the part of DHPD due to unavoidable circumstances. After re-organisation of the department under the DHPD 2.0, there has been changes in officers dealing with the Tariff Petion as the responsibility has been now given to the Chief Engineer (P&D and Co-ordination). And more over the fund required for filing the Tariff Petion was unavailable in time in spite of all the documentations were readied in time.

7.2 The Petitioner is directed to adhere to the Capacity Utilization Factor (CUF) approved by the Commission and shall operate the plants on must run basis. However, in the event that the petitioner is unable to achieve the 45% CUF due to external constraints beyond their control, other than force majeure events, the petitioner shall be entitled to claim the benefits under the "Must-Run Status" as per the Electricity (Promotion of Generation of Electricity from Must Run Power Plants) Rules, 2021, and its amendment.

Reply: - The Department of Hydro Power Development (DHPD) respectfully submits the following in compliance with the Commission's directive regarding adherence to the approved Capacity Utilisation Factor (CUF) and the operational requirement to run the plant on a must-run basis:

Adherence to Approved CUF

The Department is consistently making all concrete efforts to operate the Hydro Electric Projects (HEPs) to achieve the specified CUF of 45%. Operational teams are being directed to ensure to run the generating units on a must-run basis, ensuring optimal plant loading, timely maintenance, and uninterrupted operation to the extent possible. Training of operators and placement of adequate manpower for each hydel project is being taken up in phased manner. The preventive maintenance of both EM equipment and civil structures are being given more emphasis to decrease the plant shutdown period.

Constraints Beyond the Control of the Department

Despite best efforts, the Department is facing certain operational and external constraints that adversely affect the achievable CUF of some HEPs. Some of these constraints are beyond the control of the Department and are not attributable to force majeure conditions alone. They include hydrological limitations, system-related constraints, non-availability of spares parts in nearby markets, local grid outages, and field-level challenges specific to remote hydro assets. The non availability of adequate local load on the hydel stations. And most of the hydel plants are not connected to the grid which makes it beyond the control of DHPD to run the plant in the firm installed capacity.

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/08/2028

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

Entitlement Under the Must-Run Rules, 2021

In accordance with the Commission's directive and the provisions of the Electricity (Promotion of Generation of Electricity from Must-Run Power Plants) Rules, 2021 and subsequent amendments, the Department submits that where it is unable to achieve the 45% CUF due to such external constraints, it may be treated as eligible to claim benefits available to must-run power plants under the said Rules.

Project-wise Review and Submission to the Commission

The Department is undertaking a comprehensive review of each Hydro Electric Project to identify and document the specific constraints that are impacting CUF achievement. Upon completion of this assessment, DI-IPD shall submit project-wise details of these constraints to the Hon 'ble Commission for its consideration and further directions.

7.3 The Purchaser of the generated energy of DHPD i.e., APDOP has already been allowed purchase of power from petitioner and accordingly provisions have been made in ARR of APDOP for FY 2025-26. Therefore, the Petitioner is directed to raise bill based on actual energy transferred to the distribution licensee i.e. APDOP in accordance to the tariff approved by the Commission

Reply: - DHPD is taking efforts to comply with the direction of the Hon 'ble Commission. Joint meter Readings and billing of energy drawn by DOP from the DHPD hydel projects are monthly accounted on commercial basis based on the tariffs already fixed the Hon'ble Commission.

Chief Engineer (P&D and Coord)
Deptt. of Hydro Power Development
Itanagar (A.P.)

NOTARY PUBLIC
Adv. Hage Nibo
DC Office, Itanagar
Regd. No. 20/2023
Expiry-01/06/2028
Government of Arunachal Pradesh