



APPLICATION

FOR

ANNUAL REVENUE REQUIREMENT (ARR)

&

TARIFF PETITION FOR

FY 2019-20

PART – A

Submitted by:
Department of Hydro Power Development-2019

GENERAL HEADINGS OF PROCEEDINGS

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

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 2019-20 IN
ACCORDANCE WITH THE APSERC (TERMS &
CONDITIONS FOR TARIFF DETERMINATION FROM
RENEWABLE ENERGY SOURCES) REGULATIONS,
2018

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

BEFORE HON'BLE ELECTRICITY REGULATORY COMMISSION
FOR THE STATE OF ARUNACHAL PRADESH

CASE No: _____

AND

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

Itanagar, Arunachal Pradesh

.....Petitioner

I _____, son of _____(aged _____ years), (occupation)
Government Service residing at (_____), the deponent named above do
hereby solemnly affirm and state on oath as under:-

1. That the deponent is the _____ 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.

Details of enclosures:

- a) Proposal for Aggregate Revenue Requirement ("ARR") for the Financial Year 2019-20 for Determination of Tariff.
- b) Annexures-
- c) Petition Fee – Rs.5,00,000/-(Rupees Five Lacs only), vide DD No. dated

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

Petitioner

Place: Itanagar

Dated: , 2019

I, _____ 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 day of, 2019 at a.m./p.m. 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.

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LIST OF ABBREVIATIONS

A&G	Administration & General
ARR	Annual Revenue Requirement
CAGR	Compound Annual Growth Rate
CD	Contract Demand
CERC	Central Electricity Regulatory Commission
CoS	Cost of Supply
Crs	Crore
D/E	Debt Equity
EHT	Extra High Tension
ER	Eastern Region
FY	Financial Year
GFA	Gross Fixed Assets
HP	Horse Power
APSERC	Arunachal Pradesh State Electricity Regulatory Commission
KV	Kilovolt
KVA	Kilo volt Amps
kWh	Kilo Watt hour
LT	Low Tension
MU	Million Units
MVA	Million volt Amps
MW	Mega Watt
O&M	Operation & Maintenance
PLF	Plant Load Factor
MCLR	Marginal cost of fund based Lending Rate
R&M	Repairs and Maintenance
RoR	Rate of Return
Rs.	Rupees
SBI	State Bank of India
SERC	State Electricity Regulatory Commission
T&D	Transmission & Distribution
DHPD	Department of Hydro Power Development

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 villages electrification and all household electrification.

The Department at present has to its credit 74.08 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 2831 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 total installed capacity of 74.08 MW. Details of installed capacity of hydroelectric power stations of DHPD for the year 2017-18 are given here under:-

1. Details of Hydro Electric Power Stations

SL. No.	Name of the Stations	Units	Installed Capacity (KW)	Firm Capacity (KW)	Year of Commissioning
Tawang District					
1	Kitpi Ph-I	3 x 500	1500	1500	1977-78
2	Nuranang	3 x 2000	6000	6000	1996-97
3	T. Gompa	50	50	50	2001-02
4	Chellengkang Ph-I	30	30	30	2004-05
5	Bramdhongchung	2 x 50	100	100	2008-09
6	Shakti Nallah	2 x 50	100	50	2008-09
7	Kitpi MHS Ph-II	2 x 1500	3000	3000	2008-09
8	Chellengkang Ph-II	30	30	30	2008-09
9	Bongleng	2 x 50	100	100	2009-10
10	Thimbu	2 x 50	100	100	2009-10
11	Bramdhongchung Ph-II	2 x 50	100	100	2010-11
12	Tsechu Nallah	2 x 50	100	100	2010-11
13	Khet	2 x 50	100	100	2009-10
14	Mago MHS	2x50	100	100	2014-15
15	Mukto MHS	3 x 2000	6000	6000	2018-19
West Kameng District					
16	Rahung	3 x 250	750	500	1972-73
17	Dirang	4 x 500	2000	1500	1977-78
18	Saktangrong	3 x 100	300	300	2015-16
19	Zhongdongrong	2 x 500	1000	1000	2016-17
20	Sessa	3 x 500	1500	1500	1992-93
21	Rupa	2 x 100	200	100	1997-98
22	Dokumpani	30	30	30	2000-01
23	Domkhong	2 x 1000	2000	2000	2008-09
24	Sinchung	50	50	50	2008-09
25	Ankaling	30	30	30	2009-10
26	Dikshi	30	30	30	2010-11
27	Khadiyabey	2 x 100	200	200	2011-12
28	Jigaon	2 x 50	100	100	2016-17
East Kameng District					
29	Seppa	3 x 100	300	200	1980-81
30	Pakke Kessang	30	30	30	2001-02
31	Pacha MHS	2 x 1500	3000	3000	2008-09
32	Pakoti	2 x 50	100	100	2010-11

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33	Patta Nallah	2 x 50	100	100	2010-11
34	Watte Mame	50	50	50	2010-11
35	Kade Nallah	50	50	50	2010-11
Kurung Kumey District					
36	Koye	1 x 50	50	50	2009-10
37	Paya MHS at Hiya	2 x 50	100	100	2011-12
38	Kidding MHS	2 x 250	500	500	2017-18
39	Dumi Dutte	1 x 30	30	30	2017-18
40	Patte MHS at Tali	30	30	30	2004-05
41	Chambang	30	30	30	2009-10
42	Payu MHS at Koloriang	2 x 500	1000	1000	2018-19
43	Pappey Nallah	10	10	10	1995-96
Lower Subansiri District					
44	Mai Ph-I	4 x 500	2000	1500	1977-78
45	Mai Ph-II	2 x 500	1000	500	1982-83
46	Tago	3 x 1500	4500	3000	1992-93
Upper Subansiri District					
47	Maro	1 x 30	30	30	2002-03
48	Sippi	2 x 2000	4000	4000	2008-09
49	Siyum	1 x 30	30	30	2005-06
50	Pinto Karo MHS	1 x 25	25	25	2011-12
51	Sikin Karo	2 x 100	200	200	2011-12
52	Sinyum Koro	2 x 50	100	100	2011-12
53	Dulom (Daporijo)	4 x 100	400	300	1981-82
54	Ayingmuri MHS	2 x 125	250	250	2012-13
55	Limeking MHS	1 x 30	30	30	2012-13
56	Kojin Nallah	2 x 50	100	100	2011-12
West Siang District					
57	Pagi (Basar)	2 x 50	100	50	1972-73
58	Along	4 x 100	300	300	1975-76
59	Ego-Echi (Dali)	4 x 100	400	300	1987-88
60	Mechuka	6 x 25	150	150	2015-16
61	Yomcha	50	50	50	2001-02
62	Beye	30	30	30	2004-05
63	Kambang	3 x 2000	6000	6000	2008-09
64	Liromoba	2 x 1000	2000	2000	2008-09
65	Yingko Sikong at Rapum	50	50	50	2009-10
66	Angu	50	50	50	2010-11
67	Solegomang MHS	50	50	50	2011-12
68	Borong MHS	50	50	50	2011-12
69	Sirikorang MHS	2x250	500	500	2013-14
70	Pangkang MHS	125	125	125	1995-96

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Upper Siang District					
71	Yingkiong Ph-I	3 x 50	150	100	1980-81
72	Yingkiong Ph-II	2 x 100	200	100	1992-93
73	Sikut/ Tuting	2 x 50	100	50	1984-85
74	Selli at Geku	2 x 250	500	250	1994-95
75	Sirnyuk	2 x 1000	2000	1000	1996-97
76	Kopu at Tuting	250	250	250	2007-08
77	Silingri	50	50	50	2008-09
78	Singa	30	30	30	2008-09
79	Ngaming	50	50	50	2008-09
80	Sika	15	15	15	2008-09
81	Mayung	5	5	5	2009-10
82	Gosang	2 x 250	500	500	2011-12
83	Kote MHS	50	50	50	2011-12
84	Sijen MHS at Adi pasi	50	50	50	2011-12
85	Pyabung MHS	25	25	25	2011-12
East Siang District					
86	Pasighat	2 x 100	200	100	1974-75
87	Silli	1 x 30	30	30	2001-02
88	Rina	2 x 1000	2000	2000	2008-09
Siang District					
89	Yembung	4 x 500	2000	1500	1994-95
90	Subbung	2 x 1500	3000	3000	2018-19
Lower Dibang Valley District					
91	Deopani Ph-I	3 x 250	750	750	1986-87
92	Deopani Ph-II	3 x 250	750	750	2004-05
93	Abhapani	250 + 2 x 100	450	350	1994-95
94	Theya Afra at Jambupani	30	30	30	2000-01
Dibang Valley District					
95	Anini/ Awapani Ph-I	3 x 50	150	150	1994-95
96	Awapani Ph-II	2 x 250	500	250	2005-06
97	Awapani at Gepuline	2 x 250	500	500	2014-15
98	Tah Ahfra Ph-I & Ph-II	50 + 50	100	100	2001-02 2009-10
99	Chini Afra	250	250	250	2001-02
100	Echi Ahfra	2 x 200	400	400	2005-06
101	Echito Nallah	2 x 20	40	40	2010-11
102	Rupapani	2 x 20	40	40	2010-11
103	Chu Nallah	2 x 15	30	30	2011-12
Lohit District					
104	Doorah Nallah	5 x 100	500	300	1976-77 2013-14

105	Tafragram	250	250	250	1984-85
Changlang District					
106	Tissue	4 x 100	400	300	1986-87
107	Jongkey Nallah	25	25	25	2011-12
108	Ngonalo at Vijaynagar	2 x 50	100	100	2010-11
109	Tinning	2 x 30	60	30	2010-11
110	Chicklong	3 x 50	150	150	2011-12
Anjaw District					
111	Kaho	10	10	10	2004-05
112	Kebitho	30	30	30	2004-05
113	Mati Nallah	2 x 250	500	500	2004-05
114	Yapak Nallah	2 x 100	200	200	2005-06
115	Teepani	2 x 250	500	500	2009-10
116	Krawti Nallah	2 x 50	100	100	2009-10
117	Hathipani	2 x 50	100	100	2009-10
118	Tah Nallah	2 x 50	100	100	2009-10
119	Maipani	2 x 30	60	60	2010-11
120	Ashapani	2 x 30	60	60	2011-12
121	Langpani	2 x 200	400	400	2011-12
122	Kachopani MHS	2x100	200	200	2014-15
Tirap District					
123	Thiratju	4 x 250	1000	750	1978-79
124	Charju	3 x 200	600	400	1984-85
125	Sumhok Nallah	2 x 50	100	100	2009-10
126	Tahin Nallah	2 x 50	100	100	2011-12
	TOTAL		74075	67145	

2. ENERGY SALES WITHIN THE STATE TO POWER DEPARTMENT

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

2. Performance during 2017-18

SL. No.	Name of the Stations	Units	Installed Capacity	Estimated Net Generation
			(KW)	(KWH)
Tawang District				
1	Kitpi Ph-I	3 x 500	1500	216660
2	Nuranang	3 x 2000	6000	7326463

3	T. Gompa	50	50	86163
4	Chellengkang Ph-I	30	30	37999
5	Bramdhongchung	2 x 50	100	0
6	Shakti Nallah	2 x 50	100	51196
7	Kitpi MHS Ph-II	2 x 1500	3000	2875775
8	Chellengkang Ph-II	30	30	100824
9	Bongleng	2 x 50	100	69965
10	Thimbu	2 x 50	100	57753
11	Bramdhongchung Ph-II	2 x 50	100	19669
12	Tsechu Nallah	2 x 50	100	47525
13	Khet	2 x 50	100	0
14	Mago MHS	2x50	100	70532
15	Mukto MHS	3 x 2000	6000	12097455
West Kameng District				
16	Rahung	3 x 250	750	1036219
17	Dirang	4 x 500	2000	2703938
18	Saktangrong	3 x 100	300	0
19	Zhongdongrong	2 x 500	1000	1166510
20	Sessa	3 x 500	1500	498977
21	Rupa	2 x 100	200	111265
22	Dokumpani	30	30	0
23	Domkhong	2 x 1000	2000	0
24	Sinchung	50	50	0
25	Ankaling	30	30	0
26	Dikshi	30	30	0
27	Khadiyabey	2 x 100	200	0
28	Jigaon	2 x 50	100	159501
East Kameng District				
29	Seppa	3 x 100	300	0
30	Pakke Kessang	30	30	0
31	Pacha MHS	2 x 1500	3000	1464519
32	Pakoti	2 x 50	100	412658
33	Patta Nallah	2 x 50	100	416566
34	Watte Mame	50	50	331649
35	Kade Nallah	50	50	0
Kurung Kumey District				
36	Koye	1 x 50	50	0
37	Paya MHS at Hiya	2 x 50	100	153031
38	Kidding MHS	2 x 250	500	908105
39	Dumi Dutte	1 x 30	30	0
40	Patte MHS at Tali	30	30	0
41	Chambang	30	30	338

42	Payu MHS at Koloriang	2 x 500	1000	705709
43	Pappey Nallah	10	10	0
Lower Subansiri District				
44	Mai Ph-I	4 x 500	2000	184498
45	Mai Ph-II	2 x 500	1000	0
46	Tago	3 x 1500	4500	931146
Upper Subansiri District				
47	Maro	1 x 30	30	0
48	Sippi	2 x 2000	4000	7784275
49	Siyum	1 x 30	30	0
50	Pinto Karo MHS	1 x 25	25	0
51	Sikin Karo	2 x 100	200	37592
52	Sinyum Koro	2 x 50	100	0
53	Dulom (Daporijo)	4 x 100	400	0
54	Ayingmuri MHS	2 x 125	250	0
55	Limeking MHS	1 x 30	30	0
56	Kojin Nallah	2 x 50	100	0
West Siang District				
57	Pagi (Basar)	2 x 50	100	110951
58	Along	4 x 100	300	36901
59	Ego-Echi (Dali)	4 x 100	400	552540
60	Mechuka	6 x 25	150	169180
61	Yomcha	50	50	0
62	Beye	30	30	0
63	Kambang	3 x 2000	6000	0
64	Liromoba	2 x 1000	2000	24679
65	Yingko Sikong at Rapum	50	50	55202
66	Angu	50	50	0
67	Solegomang MHS	50	50	55840
68	Borong MHS	50	50	0
69	Sirikorang MHS	2x250	500	1212803
70	Pangkang MHS	125	125	0
Upper Siang District				
71	Yingkiong Ph-I	3 x 50	150	124661
72	Yingkiong Ph-II	2 x 100	200	475852
73	Sikut/ Tuting	2 x 50	100	115321
74	Selli at Geku	2 x 250	500	887610
75	Sirnyuk	2 x 1000	2000	4632376
76	Kopu at Tuting	250	250	932833
77	Silingri	50	50	141018
78	Singa	30	30	46455
79	Ngaming	50	50	151198

80	Sika	15	15	0
81	Mayung	5	5	2591
82	Gosang	2 x 250	500	353648
83	Kote MHS	50	50	0
84	Sijen MHS at Adi pasi	50	50	0
85	Pyabung MHS	25	25	0
East Siang District				
86	Pasighat	2 x 100	200	185629
87	Silli	1 x 30	30	42022
88	Rina	2 x 1000	2000	1599554
Siang District				
89	Yembung	4 x 500	2000	1210077
90	Subbung	2 x 1500	3000	873000
Lower Dibang Valley District				
91	Deopani Ph-I	3 x 250	750	0
92	Deopani Ph-II	3 x 250	750	0
93	Abhapani	250 + 2 x 100	450	0
94	Theya Afra at Jambupani	30	30	0
Dibang Valley District				
95	Anini/ Awapani Ph-I	3 x 50	150	0
96	Awapani Ph-II	2 x 250	500	2113076
97	Awapani at Gepuline	2 x 250	500	27569
98	Tah Ahfra Ph-I & Ph-II	50 + 50	100	0
99	Chini Afra	250	250	22142
100	Echi Ahfra	2 x 200	400	66546
101	Echito Nallah	2 x 20	40	57068
102	Rupapani	2 x 20	40	10005
103	Chu Nallah	2 x 15	30	43971
Lohit District				
104	Doorah Nallah	5 x 100	500	243881
105	Tafragram	250	250	116582
Changlang District				
106	Tissue	4 x 100	400	512786
107	Jongkey Nallah	25	25	11198
108	Ngonalo at Vijaynagar	2 x 50	100	0
109	Tinning	2 x 30	60	67330
110	Chicklong	3 x 50	150	79456
Anjaw District				
111	Kaho	10	10	5213
112	Kebitho	30	30	0

113	Mati Nallah	2 x 250	500	1141241
114	Yapak Nallah	2 x 100	200	658095
115	Teepani	2 x 250	500	988079
116	Krawti Nallah	2 x 50	100	15919
117	Hathipani	2 x 50	100	0
118	Tah Nallah	2 x 50	100	0
119	Maipani	2 x 30	60	0
120	Ashapani	2 x 30	60	0
121	Langpani	2 x 200	400	201157
122	Kachopani MHS	2x100	200	119999
Tirap District				
123	Thiratju	4 x 250	1000	46531
124	Charju	3 x 200	600	823541
125	Sumhok Nallah	2 x 50	100	0
126	Tahin Nallah	2 x 50	100	0
TOTAL			74075	63427799

A. DETERMINATION OF TARIFF FOR THE HEPs

Regulation 7 of Renewable Regulations, 2018 provides that project specific tariff is to be determined for SHPs of installed capacity of 1MW to 25MW. Further, Hon'ble Commission in the Tariff order for the FY 2018-19 Dt. 02.11.2018 has directed DHPD to file consolidated ARR and average tariff for plants commissioned before 31.03.2017.

Accordingly, consolidated ARR and average tariff has been submitted for plants commissioned before 31.03.2017. Project specific tariff has been proposed for SHPs with installed capacity of 1 MW and above commissioned during the FY 2017-18 & FY 2018-19. For SHPs below 1 MW, commissioned during the FY 2017-18 & FY 2018-19, ARR & tariff has been calculated on generic parameters as defined in the APERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2018.

The RE Regulations, 2018 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 9. Accordingly, following has been considered for calculating Annual Fixed Charges for the HEPs:

Annual Fixed Charges:

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

- Project Cost
- Design Energy
- Interest on Loan Capital.

- d) Depreciation.
- e) Return on Equity.
- f) Operation & Maintenance Expenses.
- g) Interest on Working Capital.

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

Sl. No.	Particulars	Unit	Value	
1	Auxiliary Consumption	%	1	
2	O&M Expenses	Below 5MW – 38.06 Lakh/MW 5MW-25MW- 28.54 Lakh/MW		
	Escalation	%	WPI - 5.72%	
3	Depreciation			
	Plant Life	years	35	
	Residual	%	10	
4	Working Capital			
	Receivable(2 months Fixed Cost)	Months	2	
	O & M Expenses	Months	1	
	Spares for Maintenance	%	15	O&M Expenses
	Rate of Interest	%	MCLR + 300 basis point	
5	Return on Equity	%	14 grossed up by applicable MAT	
6	Equity	%	30	Net Project Cost
	Loan	%	70	Net Project

				Cost
7	Interest	%	MCLR + 200 basis point	
8	Moratorium		No moratorium after COD	

a) Capital Cost

Clause 12 of APERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2018 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.

In the instant petition project cost of 80 HEPs as considered by the Hon'ble Commission in the Tariff order for the FY 2018-19 has been considered.

For balance projects commissioned before 31.03.2017, project cost as determined as per APERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2012 and submitted in the tariff petition for the FY 2018-19 has been considered.

Regulation 7 of Renewable Regulations, 2018 provides that project specific tariff is to be determined for SHPs of installed capacity of 1MW to 25MW. For SHPs below 1MW normative capital as provided in the Regulation 25 of Renewable Regulations, 2018 is to be considered. DHPD has commissioned 3 SHPs with installed capacity of 1 MW & above & 2 SHPs of installed capacity below 1MW during the FY 2017-18 & FY 2018-19.

Projects cost of the SHPs commissioned during the FY 2017-18 & FY 2018-19 has been considered as per the above provisions of RE Regulations, 2018 except for the Payu SHP & - 1 MW & Subbung SHP- 3MW as the capital cost of the SHPs is yet to be finalised. The RE Regulation, 2018 does not provide normative capital cost of HEPs with installed capacity of 1 MW and above. Therefore, for determination tariff in respect of the Payu & Subbung SHPs, capital cost has been considered on the parameters provided in the APERC (Terms & Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2012. The capital cost in respect of Mukto HEP has been taken as same as considered by the Hon'ble Commission in the Tariff Order Dt. 02.11.2018 for the FY 2018-19.

Summary of the projects & capital cost is provided in the table below. The project wise details of capital is attached as Annexure- 1 & 2.

Table - 4. Capital Cost - Projects Commissioned upto - 31.03.2017			
Sl. No.	Particular	Installed Capacity (MW)	Capital Cost IN (Lakhs)
1	79 HEPs	42.77	43032.62
2	37 HEPs	20.70	15439.63
	Total =====>	63.47	58472.25

Table - 4.1 Capital Cost : Projects Commissioned in FY 2017-18			
Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost IN (Lakhs)
1	Kidding MHS	0.50	600.00
2	Dumi Dutte	0.03	42.00
	Total =====>	0.53	642.00

Table - 4.2 Capital Cost : Projects Commissioned in FY 2018-19			
Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost IN (Lakhs)
1	Mukto MHS	6.00	7798.70
2	Payu MHS at Koloriang	1.00	747.32
3	Subbung	3.00	2241.96

b) Design Energy

Design energy of the HEPs has been calculated in accordance with the APERC Regulations. Design energy of the HEPs is provided in the table below. The total design energy for all the HEPs is 617.83 MUs. Regulation 27 of RE Regulations, 2018 provides that CUF for SHPs is to be considered as 45%. However, in the instant petition CUF has been taken as 36 as considered by the Hon'ble APERC in the Tariff order for the FY 2018-19.

5. Design Energy

SL. No.	Name of the Stations	Installed Capacity	Design Energy (Annual)
		(KW)	(MU)
Tawang District			
1	Kitpi Ph-I	1500	12.48
2	Nuranang	6000	49.93
3	T. Gompa	50	0.42
4	Chellengkang Ph-I	30	0.25
5	Bramdhongchung	100	0.83
6	Shakti Nallah	100	0.83
7	Kitpi MHS Ph-II	3000	24.97
8	Chellengkang Ph-II	30	0.25
9	Bongleng	100	0.83
10	Thimbu	100	0.83
11	Bramdhongchung Ph-II	100	0.83
12	Tsechu Nallah	100	0.83
13	Khet	100	0.83
14	Mago MHS	100	0.83
15	Mukto MHS	6000	49.93
West Kameng District			
16	Rahung	750	6.24
17	Dirang	2000	16.64
18	Saktangrong	300	2.50
19	Zhongdongrong	1000	8.32
20	Sessa	1500	12.48
21	Rupa	200	1.66
22	Dokumpani	30	0.25
23	Domkhong	2000	16.64
24	Sinchung	50	0.42
25	Ankaling	30	0.25
26	Dikshi	30	0.25
27	Khadiyabey	200	1.66
28	Jigaon	100	0.83
East Kameng District			
29	Seppa	300	2.50
30	Pakke Kessang	30	0.25
31	Pacha MHS	3000	24.97
32	Pakoti	100	0.83
33	Patta Nallah	100	0.83
34	Watte Mame	50	0.42

35	Kade Nallah	50	0.42
Kurung Kumey District			
36	Koye	50	0.42
37	Paya MHS at Hiya	100	0.83
38	Kidding MHS	500	4.16
39	Dumi Dutte	30	0.25
40	Patte MHS at Tali	30	0.25
41	Chambang	30	0.25
42	Payu MHS at Koloriang	1000	8.32
43	Pappey Nallah	10	0.08
Lower Subansiri District			
44	Mai Ph-I	2000	16.64
45	Mai Ph-II	1000	8.32
46	Tago	4500	37.45
Upper Subansiri District			
47	Maro	30	0.25
48	Sippi	4000	33.29
49	Siyum	30	0.25
50	Pinto Karo MHS	25	0.21
51	Sikin Karo	200	1.66
52	Sinyum Koro	100	0.83
53	Dulom (Daporijo)	400	3.33
54	Ayingmuri MHS	250	2.08
55	Limeking MHS	30	0.25
56	Kojin Nallah	100	0.83
West Siang District			
57	Pagi (Basar)	100	0.83
58	Along	300	2.50
59	Ego-Echi (Dali)	400	3.33
60	Mechuka	150	1.25
61	Yomcha	50	0.42
62	Beye	30	0.25
63	Kambang	6000	49.93
64	Liromoba	2000	16.64
65	Yingko Sikong at Rapum	50	0.42
66	Angu	50	0.42
67	Solegomang MHS	50	0.42
68	Borung MHS	50	0.42
69	Sirikorang MHS	500	4.16
70	Pangkang MHS	125	1.04
Upper Siang District			
71	Yingkiong Ph-I	150	1.25

72	Yingkiong Ph-II	200	1.66
73	Sikut/ Tuting	100	0.83
74	Selli at Geku	500	4.16
75	Sirnyuk	2000	16.64
76	Kopu at Tuting	250	2.08
77	Silingri	50	0.42
78	Singa	30	0.25
79	Ngaming	50	0.42
80	Sika	15	0.12
81	Mayung	5	0.04
82	Gosang	500	4.16
83	Kote MHS	50	0.42
84	Sijen MHS at Adi pasi	50	0.42
85	Pyabung MHS	25	0.21
East Siang District			
86	Pasighat	200	1.66
87	Silli	30	0.25
88	Rina	2000	16.64
Siang District			
89	Yembung	2000	16.64
90	Subbung	3000	24.97
Lower Dibang Valley District			
91	Deopani Ph-I	750	6.24
92	Deopani Ph-II	750	6.24
93	Abhapani	450	3.74
94	Theya Afra at Jambupani	30	0.25
Dibang Valley District			
95	Anini/ Awapani Ph-I	150	1.25
96	Awapani Ph-II	500	4.16
97	Awapani at Gepuline	500	4.16
98	Tah Ahfra Ph-I & Ph-II	100	0.83
99	Chini Afra	250	2.08
100	Echi Ahfra	400	3.33
101	Echito Nallah	40	0.33
102	Rupapani	40	0.33
103	Chu Nallah	30	0.25
Lohit District			
104	Doorah Nallah	500	4.16
105	Tafragram	250	2.08
Changlang District			

106	Tissue	400	3.33
107	Jongkey Nallah	25	0.21
108	Ngonalo at Vijaynagar	100	0.83
109	Tinning	60	0.50
110	Chicklong	150	1.25
Anjaw District			
111	Kaho	10	0.08
112	Kebitho	30	0.25
113	Mati Nallah	500	4.16
114	Yapak Nallah	200	1.66
115	Teepani	500	4.16
116	Krawti Nallah	100	0.83
117	Hathipani	100	0.83
118	Tah Nallah	100	0.83
119	Maipani	60	0.50
120	Ashapani	60	0.50
121	Langpani	400	3.33
122	Kachopani MHS	200	1.66
Tirap District			
123	Thiratju	1000	8.32
124	Charju	600	4.99
125	Sumhok Nallah	100	0.83
126	Tahin Nallah	100	0.83
TOTAL		74075	617.83

c) Interest on Loan Capital

Clause 14 of APERC RE Regulations, 2018 provides that interest on loan taken to fund the cost of project shall be recovered through tariff. Project cost of the HEPs of DHPD has been funded by the budgetary support/central & state sponsored schemes and the department 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 15 of APERC RE Regulations, 2018 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 5.28% for the first 13 years and remaining depreciation to be spread over remaining useful life of the project. Hon'ble Commission had determined the depreciation of 80 projects in the Tariff order for the FY 2018-19. In line with the principle followed by the Hon'ble

Commission in the tariff order for the FY 2018-19, depreciation for the HEPs commissioned before March, 2012 has been calculated @ 2.57%. In respect of the projects commissioned after 2012, rate of depreciation has been considered at 5.28% as per RE Regulation, 2018. Summary of the depreciation of the FY 2019-20 is provided below. SHP wise depreciation is provided in the Annexure – 3, 4 & 5.

Table - 6. Depreciation for the FY 2019-20			
Projects Commissioned up-to -31.03.2017			
Sl. No.	Particular	Capital Cost IN (Lakhs)	Depreciation Amount (Rs in Lakhs) for FY 2019-20
1	Depreciation as approved in last TO- HEPs commissioned before 2012	38946.10	1000.91
2	Depreciation as approved in last TO- HEPs commissioned after 2012	4086.52	194.19
3	Other HEPs commissioned before 2012	15439.63	396.80
	Total =====>	58472.25	1591.90

Table - 6.1 Depreciation for the FY 2019-20			
Projects Commissioned in FY 2017-18			
Sl. No.	Particular	Capital Cost IN (Lakhs)	Depreciation Amount (Rs in Lakhs) for FY 2019-20
1	Kidding MHS	600.00	31.68
2	Dumi Dutte	42.00	2.22
	Total =====>	642.00	33.90

Table - 6.2 Depreciation for the FY 2019-20			
Projects Commissioned in FY 2018-19			
Sl. No.	Particular	Capital Cost IN (Lakhs)	Depreciation Amount (Rs in Lakhs) for FY 2019-20
1	Mukto MHS	7798.70	411.77
2	Payu MHS at Koloriang	747.32	39.46
3	Subbung	2241.96	118.38
	Total =====>	10787.98	569.61

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

As per provision under Regulation 16 of APSSRC Regulations, 2018, Return on Equity has been considered @ 14% per annum grossed up by MAT as on 1st April of previous year for each of HEP. Accordingly, Return on Equity has been considered at 17.56%. The capital for calculation of ROE has been considered as discussed in the previous section.

The Equity for the purpose of calculation of ROE has been computed as per Regulation 13 of APSSRC RE Regulations, 2018. Accordingly, Debt-Equity ratio of 70:30 has been considered. Summary of ROE of SHPs is provided below. The SHP wise details of ROE is provided in Annexure – 6 & 7.

Table- 7 Return on Equity (ROE) for the FY 2019-20			
Projects Commissioned up-to -31.03.2017			
Sl. No.	Particular	Capital Cost (Rs. In Lakh)	RoE (Rs. In Lakh) for FY 2018-19
1	79 HEPs	43032.62	2266.97
2	37 HEPs	15439.63	813.36
	Total =====>	58472.25	3080.33

Table- 7.1 Return on Equity (ROE) for the FY 2019-20			
Projects Commissioned in FY 2017-18			
Sl. No.	Particular	Capital Cost (Rs. In Lakh)	RoE (Rs. In Lakh) for FY 2018-19
1	Kidding MHS	600.00	31.61
2	Dumi Dutte	42.00	2.21
	Total =====>	642.00	33.82

Table - 7.2 Return on Equity (ROE) for the FY 2019-20			
Projects Commissioned in FY 2018-19			
Sl. No.	Particular	Capital Cost (Rs. In Lakh)	RoE (Rs. In Lakh) for FY 2018-19
1	Mukto MHS	7798.70	410.84
2	Payu MHS at Koloriang	747.32	39.37
3	Subbung	2241.96	118.11
	Total =====>	10787.98	568.31

f) Operation & Maintenance Expenses

Regulation 29 of APSERC RE Regulations, 2018 provides that normative O&M for SHPs below 5 MW shall be Rs. 38.06 Lakh/MW & SHP between 5MW to 25 MW shall be Rs.28.54Lakh/MW for the base year of 2018-19. The regulation further provides for an escalation of 5.72% per annum on the above normative O&M for subsequent years. O&M expenses for the FY 2019-20 has been calculated as per the above regulation. The summary of O&M expenses is provided below. The SHP wise O&M expenses is provided in the Annexure – 8.

Table - 8 O&M Expenses for the FY 2019-20			
Projects Commissioned upto -31.03.2017			
Sl. No.	Particular	Installed Capacity (MW)	O & M COST for FY 2019-20 (Rs. In Lakh)
1	O&M Expenses	86.50	3298.76

Table – 8.1 O&M Expenses for the FY 2019-20			
Projects Commissioned in FY 2017-18			
Sl. No.	Particular	Installed Capacity (MW)	O & M COST for FY 2019-20 (Rs. In Lakh)
1	Kidding MHS	0.50	20.12
2	Dumi Dutte	0.03	1.21
	Total =====>	0.53	21.33

Table – 8.2 O&M Expenses for the FY 2019-20			
Projects Commissioned in FY 2018-19			
Sl. No.	Particular	Installed Capacity (MW)	O & M COST for FY 2019-20 (Rs. In Lakh)
1	Mukto MHS	6.00	24142.22
2	Payu MHS at Koloriang	1.00	40.24
3	Subbung	3.00	120.71
	Total =====>	10.00	24303.17

g) Interest on Working Capital

The requirement of Working Capital & Interest thereon has been computed as per Clause 17 - “Interest on Working Capital” of the APSERC RE Regulations, 2018. Interest @ 11.50 % per annum on working capital has been considered which is 300 basis points above the SBI MCLR (One year tenor) for last six months. The summary of IWC is provided below.

Table – 9 Interest on Working Capital for the FY 2019-20		
Projects Commissioned up-to -31.03.2017		
S. No.	Particulars	FY 2019-20 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	274.90
2	Maintenance of Spares(15% of O&M)	494.81
3	Receivables (2 months of fixed cost)	1369.50
4	Total	2139.21
5	Interest on Working Capital@11.50%	246.01

Table – 9.1 Interest on Working Capital for the FY 2019-20		
Projects Commissioned in FY 2017-18		
S. No.	Particulars	FY 2019-20 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	1.78
2	Maintenance of Spares(15% of O&M)	3.20
3	Receivables (2 months of fixed cost)	15.23
4	Total	20.20
5	Interest on Working Capital@11.50%	2.32

Table – 9.2 Interest on Working Capital for the FY 2019-20 - Mukto MHS		
Projects Commissioned in FY 2018-19		
S. No.	Particulars	FY 2019-20 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	2011.85
2	Maintenance of Spares(15% of O&M)	3621.33
3	Receivables (2 months of fixed cost)	4352.19
4	Total	9985.38
5	Interest on Working Capital@11.50%	1148.32

Table – 9.3 Interest on Working Capital for the FY 2019-20 - Payu MHS at Kolariang		
Projects Commissioned in FY 2018-19		
S. No.	Particulars	FY 2019-20 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	3.35
2	Maintenance of Spares(15% of O&M)	6.04
3	Receivables (2 months of fixed cost)	20.42
4	Total	29.80
5	Interest on Working Capital@11.50%	3.43

Table – 9.4 Interest on Working Capital for the FY 2019-20 - Subbang		
Projects Commissioned in FY 2018-19		
S. No.	Particulars	FY 2019-20 Amount (Rs. In lakhs)
1	2	3
1	Operation & Maintenance Expenses (1 month)	10.06
2	Maintenance of Spares(15% of O&M)	18.11
3	Receivables (2 months of fixed cost)	61.25
4	Total	89.41
5	Interest on Working Capital@11.50%	10.28

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

Based on the above parameters, AFC for the Financial Year 2019-20 are given in the table below.

Table – 10 Annual Fixed Charge (AFC) for the FY 2019-20		
Projects Commissioned up-to -31.03.2017		
(Rs in Lakhs)		
SL. No.	Financial Year	2019-20
1	Depreciation	1591.90
2	Return on Equity	3080.33
3	O&M Expenses	3298.76
4	Interest on Working Capital	246.01
5	Total Annual Fixed Cost	8216.99

Table – 10.1 Annual Fixed Charge (AFC) for the FY 2019-20		
Projects Commissioned in FY 2017-18		
(Rs in Lakhs)		
SL. No.	Financial Year	2019-20
1	Depreciation	33.90
2	Return on Equity	33.82
3	O&M Expenses	21.33
4	Interest on Working Capital	2.32
5	Total Annual Fixed Cost	91.37

Table – 10.2 Annual Fixed Charge (AFC) for the FY 2019-20 - Mukto MHS		
Projects Commissioned in FY 2018-19		
(Rs in Lakhs)		
SL. No.	Financial Year	2019-20
1	Depreciation	411.77
2	Return on Equity	410.84
3	O&M Expenses	24142.22
4	Interest on Working Capital	1148.32
5	Total Annual Fixed Cost	26113.14

Table – 10.3 Annual Fixed Charge (AFC) for the FY 2019-20 - Payu MHS at Kolariang		
Projects Commissioned in FY 2018-19		
(Rs in Lakhs)		
SL. No.	Financial Year	2019-20
1	Depreciation	39.46
2	Return on Equity	39.37
3	O&M Expenses	40.24
4	Interest on Working Capital	3.43
5	Total Annual Fixed Cost	122.49

Table – 10.4 Annual Fixed Charge (AFC) for the FY 2019-20 - Subbang		
Projects Commissioned in FY 2018-19		
(Rs in Lakhs)		
SL. No.	Financial Year	2019-20
1	Depreciation	118.38
2	Return on Equity	118.11
3	O&M Expenses	120.71
4	Interest on Working Capital	10.28
5	Total Annual Fixed Cost	367.48

3. a) Tariff

Based on the Annual Fixed Charges and the 36 % CUF , the tariff for the year 2019-20 is worked out as under:-

Table – 11 Tariff for the FY 2019-20		
Projects Commissioned up-to -31.03.2017		
(Rs in Lakhs)		
SL. No.	Particulars	FY 2019-20
1	Annual Fixed Charges	8216.99
2	Installed Capacity	63.47
3	CUF considered (%)	0.36
4	Gross Energy (MU)	200.14
5	Auxilliary Power Consumption (1%)	2.00
6	Saleable Energy (MU)	198.14
7	Tariff (Rs./kWh)	4.15

Table – 11.1 Tariff for the FY 2019-20		
Projects Commissioned in FY 2017-18		
(Rs in Lakhs)		
SL. No.	Particulars	FY 2019-20
1	Annual Fixed Charges	91.37
2	Installed Capacity	0.53
3	CUF considered (%)	0.36
4	Gross Energy	1.67
5	Auxilliary Power Consumption (1%)	0.02
6	Saleable Energy (MU)	1.65
7	Tariff (Rs./kWh)	5.52

Table – 11.2 Tariff for the FY 2019-20 - Mukto MHS		
Project Commissioned in FY 2018-19		
(Rs in Lakhs)		
SL. No.	Particulars	FY 2019-20
1	Annual Fixed Charges	1091.43
2	Installed Capacity	6.00
3	CUF considered (%)	0.36
4	Gross Energy	18.92
5	Auxilliary Power Consumption (1%)	0.19
6	Saleable Energy (MU)	18.73
7	Tariff (Rs./kWh)	5.83

Table – 11.3 Tariff for the FY 2019-20 - Payu MHS at Kolariang		
Projects Commissioned in FY 2018-19		
(Rs in Lakhs)		
SL. No.	Particulars	FY 2019- 20
1	Annual Fixed Charges	122.49
2	Installed Capacity	1.00
3	CUF considered (%)	0.36
4	Gross Energy	3.15
5	Auxiliary Power Consumption (1%)	0.03
6	Saleable Energy (MU)	3.12
7	Tariff (Rs./kWh)	3.92

Table – 11.4 Tariff for the FY 2019-20 - Subbang		
Projects Commissioned in FY 2018-19		
(Rs in Lakhs)		
SL. No.	Particulars	FY 2019- 20
1	Annual Fixed Charges	367.48
2	Installed Capacity	3.00
3	CUF considered (%)	0.36
4	Gross Energy	9.46
5	Auxilliary Power Consumption (1%)	0.09
6	Saleable Energy (MU)	9.37
7	Tariff (Rs./kWh)	3.92

PRAYER

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

- (a) Approve the Annual Fixed Charges & Tariff as submitted in Para 3
- (b) Pass such other and further order(s) as are deemed fit and proper in the facts and circumstances of the case.

Authorised Signatory

Place: Itanagar

Date:

ANNEXURES

Annexure - 1.			
Capital Cost not Approved by APSERC			
Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost IN (Lakhs)
1	Kitpi Ph-I	1.50	1120.98
2	T. Gompa	0.05	37.37
3	Chellengkang Ph-I	0.03	22.42
4	Rahung	0.75	560.49
5	Dirang	2.00	1494.64
6	Saktangrong	0.30	224.20
7	Rupa	0.20	149.46
8	Dokumpani	0.03	22.42
9	Seppa	0.30	224.20
10	Pakke Kessang	0.03	22.42
11	Patte MHS at Tali	0.03	22.42
12	Mai Ph-I	2.00	1494.64
13	Mai Ph-II	1.00	747.32
14	Tago	4.50	3362.94
15	Maro	0.03	22.42
16	Dulom (Daporijo)	0.40	269.04
17	Pagi (Basar)	0.10	74.73
18	Along	0.30	224.20
19	Ego-Echi (Dali)	0.40	298.93
20	Yomcha	0.05	37.37
21	Beye	0.03	22.42
22	Yingkiong Ph-I	0.15	112.10
23	Yingkiong Ph-II	0.20	149.46
24	Sikut/ Tuting	0.10	74.73
25	Selli at Geku	0.50	373.66
26	Pasighat	0.20	149.46
27	Silli	0.03	22.42
28	Yembung	2.00	1494.64
29	Deopani Ph-I	0.75	560.49
30	Abhapani	0.45	336.29
31	Anini/ Awapani Ph-I	0.15	112.10
32	Chini Afra	0.25	186.83
33	Tafragram	0.25	186.83
34	Kaho	0.01	7.47
35	Kebitho	0.03	22.42
36	Thiratju	1.00	747.32
37	Charju	0.60	448.39
	Total =====>	20.70	15439.63

Annexure - 2.			
Capital Cost Approved by APERC			
Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost IN (Lakhs)
1	Nuranang	6.00	985.00
2	Bramdhongchung	0.10	105.30
3	Shakti Nallah	0.10	109.32
4	Kitpi MHS Ph-II	3.00	3373.83
5	Chellengkang Ph-II	0.03	54.94
6	Bongleng	0.10	114.27
7	Thimbu	0.10	126.91
8	Bramdhongchung Ph-II	0.10	134.71
9	Tsechu Nallah	0.10	157.75
10	Khet	0.10	144.27
11	Mago MHS	0.10	140.44
12	Zhongdongrong	1.00	1406.44
13	Sessa	1.50	131.00
14	Domkhong	2.00	2845.77
15	Sinchung	0.05	54.48
16	Ankaling	0.03	66.35
17	Dikshi	0.03	56.86
18	Khadiyabey	0.20	282.91
19	Jigaon	0.10	71.85
20	Pacha MHS	3.00	3992.80
21	Pakoti	0.10	138.37
22	Patta Nallah	0.10	140.80
23	Watte Mame	0.05	145.50
24	Kade Nallah	0.05	95.09
25	Koye	0.05	98.00
26	Paya MHS at Hiya	0.10	237.93
27	Chambang	0.03	109.55
28	Sippi	4.00	3832.92
29	Pinto Karo MHS	0.03	83.11
30	Sikin Karo	0.20	387.61
31	Sinyum Koro	0.10	197.06
32	Ayingmuri MHS	0.25	175.00
33	Limeking MHS	0.03	21.00
34	Kojin Nallah	0.10	184.35
35	Mechuka	0.15	113.02
36	Kambang	6.00	3832.92
37	Liromoba	2.00	3073.73
38	Yingko Sikong at Rapum	0.05	40.14
39	Angu	0.05	39.46
40	Solegomang MHS	0.05	88.83
41	Sirikorang MHS	0.50	646.11
42	Sirnyuk	2.00	2464.32
43	Kopu at Tuting	0.25	259.60
44	Silingri	0.05	101.68

Annexure - 2.			
Capital Cost Approved by APSERC			
Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost IN (Lakhs)
45	Singa	0.03	122.98
46	Ngaming	0.05	103.04
47	Sika	0.02	50.00
48	Mayung	0.01	22.22
49	Gosang	0.50	826.00
50	Kote MHS	0.05	96.70
51	Sijen MHS at Adi pasi	0.05	91.41
52	Pyabung MHS	0.03	74.13
53	Rina	2.00	3024.45
54	Deopani Ph-II	0.75	290.10
55	Awapani Ph-II	0.50	714.46
56	Awapani at Gepuline	0.50	714.46
57	Tah Ahfra Ph-I & Ph-II	0.10	49.63
58	Echi Ahfra	0.40	484.79
59	Echito Nallah	0.04	74.04
60	Rupapani	0.04	74.65
61	Chu Nallah	0.03	73.84
62	Doorah Nallah	0.50	404.87
63	Tissue	0.40	617.00
64	Jongkey Nallah	0.03	144.50
65	Ngonalo at Vijaynagar	0.10	408.45
66	Tinning	0.06	99.98
67	Chicklong	0.15	98.14
68	Mati Nallah	0.50	598.56
69	Yapak Nallah	0.20	317.71
70	Teepani	0.50	675.47
71	Krawti Nallah	0.10	119.07
72	Hathipani	0.10	120.44
73	Tah Nallah	0.10	122.99
74	Maipani	0.06	98.14
75	Ashapani	0.06	99.98
76	Langpani	0.40	543.91
77	Kachopani MHS	0.20	393.33
78	Sumhok Nallah	0.10	198.90
79	Tahin Nallah	0.10	222.98
	Total =====>	42.77	43032.62

Projects not considered by commission

Depreciation for Plant Commissioned before FY 2012

Sl. No.	Name of Station	Division/Zone	Date of COD	Installed Capacity (MW)	Capital Cost IN (Lakhs)	Depreciation Amount 2.57% P.A. (Rs in Lakhs) for FY 2019-20
1	Kitpi Ph-I	Western Zone	01-04-1977	1.50	1120.98	28.81
2	T. Gompa	Western Zone	01-04-2001	0.05	37.37	0.96
3	Chellengkang Ph-I	Western Zone	01-04-2004	0.03	22.42	0.58
4	Rahung	Western Zone	01-04-1972	0.75	560.49	14.40
5	Dirang	Western Zone	01-04-1977	2.00	1494.64	38.41
6	Saktangrong	Western Zone	01-04-2011	0.30	224.20	5.76
7	Rupa	Western Zone	01-04-1997	0.20	149.46	3.84
8	Dokumpani	Western Zone	01-04-2000	0.03	22.42	0.58
9	Seppa	Western Zone	01-04-1980	0.30	224.20	5.76
10	Pakke Kessang	Western Zone	01-04-2001	0.03	22.42	0.58
11	Patte MHS at Tali	Western Zone	01-04-2004	0.03	22.42	0.58
12	Mai Ph-I	Western Zone	01-04-1982	2.00	1494.64	38.41
13	Mai Ph-II	Western Zone	01-04-1982	1.00	747.32	19.21
14	Tago	Eastern Zone	01-04-1992	4.50	3362.94	86.43
15	Maro	Eastern Zone	01-04-2002	0.03	22.42	0.58
16	Dulom (Daporijo)	Eastern Zone	01-04-1981	0.40	269.04	6.91
17	Pagi (Basar)	Eastern Zone	01-04-1972	0.10	74.73	1.92
18	Along	Eastern Zone	01-04-1975	0.30	224.20	5.76
19	Ego-Echi (Dali)	Eastern Zone	01-04-1987	0.40	298.93	7.68
20	Yomcha	Eastern Zone	01-04-2001	0.05	37.37	0.96
21	Beye	Eastern Zone	01-04-2004	0.03	22.42	0.58
22	Yingkiong Ph-I	Eastern Zone	01-04-1980	0.15	112.10	2.88
23	Yingkiong Ph-II	Eastern Zone	01-04-1992	0.20	149.46	3.84
24	Sikut/ Tuting	Eastern Zone	01-04-1984	0.10	74.73	1.92
25	Selli at Geku	Eastern Zone	01-04-1994	0.50	373.66	9.60
26	Pasighat	Eastern Zone	01-04-1974	0.20	149.46	3.84
27	Silli	Eastern Zone	01-04-2001	0.03	22.42	0.58
28	Yembung	Eastern Zone	01-04-1994	2.00	1494.64	38.41
29	Deopani Ph-I	Eastern Zone	01-04-1986	0.75	560.49	14.40
30	Abhapani	Eastern Zone	01-04-1994	0.45	336.29	8.64
31	Anini/ Awapani Ph-I	Eastern Zone	01-04-1994	0.15	112.10	2.88
32	Chini Afra	Eastern Zone	01-04-2001	0.25	186.83	4.80
33	Tafragram	Eastern Zone	01-04-1984	0.25	186.83	4.80
34	Kaho	Eastern Zone	01-04-2004	0.01	7.47	0.19
35	Kebitho	Eastern Zone	02-04-2004	0.03	22.42	0.58
36	Thiratju	Eastern Zone	01-04-1978	1.00	747.32	19.21
37	Charju	Eastern Zone	01-04-1984	0.60	448.39	11.52
Total =====>				20.70	15439.63	396.80

Projects considered by commission

Depreciation for plant Commissioned before FY 2012

Sl. No.	Name of Station	Division/Zone	Date of COD	Installed Capacity (MW)	Capital Cost (Rs. In Lakh)	Depreciation Amount @2.57% P.A. (Rs. In Lakh) for FY 2019-20
1	Nuranang	Western Zone	01-04-1996	6.00	985.00	25.31
2	Bramdhongchung	Western Zone	01-04-2008	0.10	105.30	2.71
3	Shakti Nallah	Western Zone	01-04-2008	0.10	109.32	2.81
4	Kitpi MHS Ph-II	Western Zone	01-04-2008	3.00	3373.83	86.71
5	Chellengkang Ph-II	Western Zone	01-04-2008	0.03	54.94	1.41
6	Bongleng	Western Zone	01-04-2009	0.10	114.27	2.94
7	Thimbu	Western Zone	01-04-2009	0.10	126.91	3.26
8	Bramdhongchung Ph-II	Western Zone	01-04-2010	0.10	134.71	3.46
9	Tsechu Nallah	Western Zone	01-04-2010	0.10	157.75	4.05
10	Sessa	Western Zone	01-04-1992	1.50	131.00	3.37
11	Domkhong	Western Zone	01-04-2008	2.00	2845.77	73.14
12	Sinchung	Western Zone	01-04-2008	0.05	54.48	1.40
13	Ankaling	Western Zone	01-04-2009	0.03	66.35	1.71
14	Khet	Western Zone	01-04-2009	0.10	144.27	3.71
15	Dikshi	Western Zone	01-04-2010	0.03	56.86	1.46
16	Khadiyabey	Western Zone	01-04-2011	0.20	282.91	7.27
17	Pacha MHS	Western Zone	01-04-2008	3.00	3992.80	102.61
18	Pakoti	Western Zone	01-04-2010	0.10	138.37	3.56
19	Patta Nallah	Western Zone	01-04-2010	0.10	140.80	3.62
20	Watte Mame	Western Zone	01-04-2010	0.05	145.50	3.74
21	Kade Nallah	Western Zone	01-04-2010	0.05	95.09	2.44
22	Koye	Western Zone	01-04-2009	0.05	98.00	2.52
23	Chambang	Western Zone	01-04-2009	0.03	109.55	2.82
24	Paya MHS at Hiya	Western Zone	01-04-2011	0.10	237.93	6.11
25	Sippi	Western Zone	01-04-2008	4.00	3832.92	98.51
26	Pinto Karo MHS	Western Zone	01-04-2011	0.03	83.11	2.14
27	Sikin Karo	Western Zone	01-04-2011	0.20	387.61	9.96
28	Sinyum Koro	Western Zone	01-04-2011	0.10	197.06	5.06
29	Kojin Nallah	Western Zone	01-04-2011	0.10	184.35	4.74
30	Kambang	Eastern Zone	01-04-2008	6.00	3832.92	98.51
31	Liromoba	Eastern Zone	01-04-2008	2.00	3073.73	78.99
32	Yingko Sikong at Rapum	Eastern Zone	01-04-2009	0.05	40.14	1.03
33	Angu	Eastern Zone	01-04-2010	0.05	39.46	1.01
34	Solegomang MHS	Eastern Zone	01-04-2011	0.05	88.83	2.28
35	Sirnyuk	Eastern Zone	01-04-1996	2.00	2464.32	63.33
36	Kopu at Tuting	Eastern Zone	01-04-2007	0.25	259.60	6.67
37	Silingri	Eastern Zone	01-04-2008	0.05	101.68	2.61
38	Singa	Eastern Zone	01-04-2008	0.03	122.98	3.16
39	Ngaming	Eastern Zone	01-04-2008	0.05	103.04	2.65
40	Sika	Eastern Zone	01-04-2008	0.02	50.00	1.29
41	Mayung	Eastern Zone	01-04-2009	0.01	22.22	0.57
42	Gosang	Eastern Zone	01-04-2011	0.50	826.00	21.23
43	Kote MHS	Eastern Zone	01-04-2011	0.05	96.70	2.49
44	Sijen MHS at Adi pasi	Eastern Zone	01-04-2011	0.05	91.41	2.35
45	Pyabung MHS	Eastern Zone	01-04-2011	0.03	74.13	1.91
Total =====>				32.64	29673.92	762.63

Projects considered by commission

Depreciation for plant Commissioned before FY 2012

Sl. No.	Name of Station	Division/Zone	Date of COD	Installed Capacity (MW)	Capital Cost (Rs. In Lakh)	Depreciation Amount @2.57% P.A. (Rs. In Lakh) for FY 2019-20
46	Rina	Eastern Zone	01-04-2008	2.00	3024.45	77.73
47	Deopani Ph-II	Eastern Zone	01-04-2004	0.75	290.10	7.46
48	Tah Ahfra Ph-I & Ph-II	Eastern Zone	01-04-2009	0.10	49.63	1.28
49	Echi Ahfra	Eastern Zone	01-04-2005	0.40	484.79	12.46
50	Awapani Ph-II	Eastern Zone	01-04-2005	0.50	714.46	18.36
51	Echito Nallah	Eastern Zone	01-04-2010	0.04	74.04	1.90
52	Rupapani	Eastern Zone	01-04-2010	0.04	74.65	1.92
53	Chu Nallah	Eastern Zone	01-04-2011	0.03	73.84	1.90
54	Mati Nallah	Eastern Zone	03-04-2004	0.50	598.56	15.38
55	Yapak Nallah	Eastern Zone	01-04-2005	0.20	317.71	8.17
56	Teepani	Eastern Zone	01-04-2009	0.50	675.47	17.36
57	KrawtiNallah	Eastern Zone	02-04-2009	0.10	119.07	3.06
58	Hathipani	Eastern Zone	03-04-2009	0.10	120.44	3.10
59	Tha Nallah	Eastern Zone	04-04-2009	0.10	122.99	3.16
60	Maipani	Eastern Zone	01-04-2010	0.06	98.14	2.52
61	Ashapani	Eastern Zone	02-04-2011	0.06	99.98	2.57
62	Langpani	Eastern Zone	01-04-2011	0.40	543.91	13.98
63	Tissue	Eastern Zone	01-04-1986	0.40	617.00	15.86
64	Jongkey Nallah	Eastern Zone	01-04-2011	0.03	144.50	3.71
65	Ngonalo at Vijaynagar	Eastern Zone	01-04-2010	0.10	408.45	10.50
66	Tinning	Eastern Zone	01-04-2010	0.06	99.98	2.57
67	Chicklong	Eastern Zone	02-04-2011	0.15	98.14	2.52
68	Sumhok Nallah	Eastern Zone	01-04-2009	0.10	198.90	5.11
69	Tahin Nallah	Eastern Zone	02-04-2011	0.10	222.98	5.73
				6.82	9272.18	238.31
Total				39.46	38946.10	1000.91

Projects considered by commission

Depreciation for plant Commissioned after FY 2012

Sl. No.	Name of Station	Division/Zone	Date of COD	Installed Capacity (MW)	Capital Cost (Rs. In Lakh)	Depreciation Amount @5.28% P.A. (Rs. In Lakh) for FY 2019-20
1	Mago MHS	Western Zone	01-04-2014	0.10	140.44	6.67
2	Ayingmuri MHS	Western Zone	01-04-2011	0.25	175.00	8.32
3	Limeking MHS	Western Zone	01-04-2011	0.03	21.00	1.00
4	Mechuka	Eastern Zone	01-04-2012	0.15	113.02	5.37
5	Sirikorang MHS	Eastern Zone	01-04-2008	0.50	646.11	30.70
6	Awapani at Gepuline	Eastern Zone	01-04-2018	0.50	714.46	33.95
7	Dura Nallah	Western Zone	01-04-2009	0.50	404.87	19.24
8	Kachopani MHS	Eastern Zone	02-04-2009	0.20	393.33	18.69
9	Jigaon	Eastern Zone	01-04-2011	0.10	71.85	3.41
10	Zhongdongrong	Western Zone	01-04-2011	1.00	1406.44	66.83
Total				3.33	4086.52	194.19

Projects not considered by commission**Calculation of ROE the FY 2019-20**

Sl. No.	Name of Station	Division/Zone	Date of COD	Capital Cost IN (Lakhs)	RoE (Rs. In Lakh) for FY 2019-20
1	Kitpi Ph-I	Western Zone	01-04-1977	1120.98	59.05
2	T. Gompa	Western Zone	01-04-2001	37.37	1.97
3	Chellengkang Ph-I	Western Zone	01-04-2004	22.42	1.18
4	Rahung	Western Zone	01-04-1972	560.49	29.53
5	Dirang	Western Zone	01-04-1977	1494.64	78.74
6	Saktangrong	Western Zone	01-04-2011	224.20	11.81
7	Rupa	Western Zone	01-04-1997	149.46	7.87
8	Dokumpani	Western Zone	01-04-2000	22.42	1.18
9	Seppa	Western Zone	01-04-1980	224.20	11.81
10	Pakke Kessang	Western Zone	01-04-2001	22.42	1.18
11	Patte MHS at Tali	Western Zone	01-04-2004	22.42	1.18
12	Mai Ph-I	Western Zone	01-04-1982	1494.64	78.74
13	Mai Ph-II	Western Zone	01-04-1982	747.32	39.37
14	Tago	Western Zone	01-04-1992	3362.94	177.16
15	Maro	Western Zone	01-04-2002	22.42	1.18
16	Dulom (Daporijo)	Western Zone	01-04-1981	269.04	14.17
17	Pagi (Basar)	Eastern Zone	01-04-1972	74.73	3.94
18	Along	Eastern Zone	01-04-1975	224.20	11.81
19	Ego-Echi (Dali)	Eastern Zone	01-04-1987	298.93	15.75
20	Yomcha	Eastern Zone	01-04-2001	37.37	1.97
21	Beye	Eastern Zone	01-04-2004	22.42	1.18
22	Yingkiong Ph-I	Eastern Zone	01-04-1980	112.10	5.91
23	Yingkiong Ph-II	Eastern Zone	01-04-1992	149.46	7.87
24	Sikut/ Tuting	Eastern Zone	01-04-1984	74.73	3.94
25	Selli at Geku	Eastern Zone	01-04-1994	373.66	19.68
26	Pasighat	Eastern Zone	01-04-1974	149.46	7.87
27	Silli	Eastern Zone	01-04-2001	22.42	1.18
28	Yembung	Eastern Zone	01-04-1994	1494.64	78.74
29	Deopani Ph-I	Eastern Zone	01-04-1986	560.49	29.53
30	Abhapani	Eastern Zone	01-04-1994	336.29	17.72
31	Anini/ Awapani Ph-I	Eastern Zone	01-04-1994	112.10	5.91
32	Chini Afra	Eastern Zone	01-04-2001	186.83	9.84
33	Tafragram	Eastern Zone	01-04-1984	186.83	9.84
34	Kaho	Eastern Zone	01-04-2004	7.47	0.39
35	Kebitho	Eastern Zone	02-04-2004	22.42	1.18
36	Thiratju	Eastern Zone	01-04-1978	747.32	39.37
37	Charju	Eastern Zone	01-04-1984	448.39	23.62
Total =====>				15439.63	813.36

Projects considered by commission**ROE for FY 2019-20**

Sl. No.	Name of Station	Division/Zone	COD	Capital Cost (Rs. In Lakh)	RoE (Rs. In Lakh) for FY 2019-20
1	Nuranang	Western Zone	01-04-1996	985.00	51.89
2	Bramdhongchung	Western Zone	01-04-2008	105.30	5.55
3	Shakti Nallah	Western Zone	01-04-2008	109.32	5.76
4	Kitpi MHS Ph-II	Western Zone	01-04-2008	3373.83	177.73
5	Chellengkang Ph-II	Western Zone	01-04-2008	54.94	2.89
6	Bongleng	Western Zone	01-04-2009	114.27	6.02
7	Thimbu	Western Zone	01-04-2009	126.91	6.69
8	Bramdhongchung Ph-II	Western Zone	01-04-2010	134.71	7.10
9	Tsechu Nallah	Western Zone	01-04-2010	157.75	8.31
10	Sessa	Western Zone	01-04-1992	131.00	6.90
11	Domkhong	Western Zone	01-04-2008	2845.77	149.92
12	Sinchung	Western Zone	01-04-2008	54.48	2.87
13	Ankaling	Western Zone	01-04-2009	66.35	3.50
14	Khet	Western Zone	01-04-2009	144.27	7.60
15	Dikshi	Western Zone	01-04-2010	56.86	3.00
16	Khadiyabey	Western Zone	01-04-2011	282.91	14.90
17	Pacha MHS	Western Zone	01-04-2008	3992.80	210.34
18	Pakoti	Western Zone	01-04-2010	138.37	7.29
19	Patta Nallah	Western Zone	01-04-2010	140.80	7.42
20	Watte Mame	Western Zone	01-04-2010	145.50	7.66
21	Kade Nallah	Western Zone	01-04-2010	95.09	5.01
22	Koye	Western Zone	01-04-2009	98.00	5.16
23	Chambang	Western Zone	01-04-2009	109.55	5.77
24	Paya MHS at Hiya	Western Zone	01-04-2011	237.93	12.53
25	Sippi	Western Zone	01-04-2008	3832.92	201.92
26	Pinto Karo MHS	Western Zone	01-04-2011	83.11	4.38
27	Sikin Karo	Western Zone	01-04-2011	387.61	20.42
28	Sinyum Koro	Western Zone	01-04-2011	197.06	10.38
29	Kojin Nallah	Western Zone	01-04-2011	184.35	9.71
30	Kambang	Eastern Zone	01-04-2008	3832.92	201.92
31	Liromoba	Eastern Zone	01-04-2008	3073.73	161.92
32	Yingko Sikong at Rapum	Eastern Zone	01-04-2009	40.14	2.11
33	Angu	Eastern Zone	01-04-2010	39.46	2.08
34	Solegomang MHS	Eastern Zone	01-04-2011	88.83	4.68
35	Sirnyuk	Eastern Zone	01-04-1996	2464.32	129.82
36	Kopu at Tuting	Eastern Zone	01-04-2007	259.60	13.68
37	Silingri	Eastern Zone	01-04-2008	101.68	5.36
38	Singa	Eastern Zone	01-04-2008	122.98	6.48
39	Ngaming	Eastern Zone	01-04-2008	103.04	5.43
40	Sika	Eastern Zone	01-04-2008	50.00	2.63
41	Mayung	Eastern Zone	01-04-2009	22.22	1.17
42	Gosang	Eastern Zone	01-04-2011	826.00	43.51
Sub Total ==>				29411.68	1549.41

Projects considered by commission**ROE for FY 2019-20**

Sl. No.	Name of Station	Division/Zone	COD	Capital Cost (Rs. In Lakh)	RoE (Rs. In Lakh) for FY 2019-20
43	Kote MHS	Eastern Zone	01-04-2011	96.70	5.09
44	Sijen MHS at Adi pasi	Eastern Zone	01-04-2011	91.41	4.82
45	Pyabung MHS	Eastern Zone	01-04-2011	74.13	3.91
46	Rina	Eastern Zone	01-04-2008	3024.45	159.33
47	Deopani Ph-II	Eastern Zone	01-04-2004	290.10	15.28
48	Tah Ahfra Ph-I & Ph-II	Eastern Zone	01-04-2009	49.63	2.61
49	Echi Ahfra	Eastern Zone	01-04-2005	484.79	25.54
50	Awapani Ph-II	Eastern Zone	01-04-2005	714.46	37.64
51	Echito Nallah	Eastern Zone	01-04-2010	74.04	3.90
52	Rupapani	Eastern Zone	01-04-2010	74.65	3.93
53	Chu Nallah	Eastern Zone	01-04-2011	73.84	3.89
54	Mati Nallah	Eastern Zone	03-04-2004	598.56	31.53
55	Yapak Nallah	Eastern Zone	01-04-2005	317.71	16.74
56	Teepani	Eastern Zone	01-04-2009	675.47	35.58
57	KrawtiNallah	Eastern Zone	02-04-2009	119.07	6.27
58	Hathipani	Eastern Zone	03-04-2009	120.44	6.34
59	Tha Nallah	Eastern Zone	04-04-2009	122.99	6.48
60	Maipani	Eastern Zone	01-04-2010	98.14	5.17
61	Ashapani	Eastern Zone	02-04-2011	99.98	5.27
62	Langpani	Eastern Zone	01-04-2011	543.91	28.65
63	Tissue	Eastern Zone	01-04-1986	617.00	32.50
64	Jongkey Nallah	Eastern Zone	01-04-2011	144.50	7.61
65	Ngonalo at Vijaynagar	Eastern Zone	01-04-2010	408.45	21.52
66	Tinning	Eastern Zone	01-04-2010	99.98	5.27
67	Chicklong	Eastern Zone	02-04-2011	98.14	5.17
68	Sumhok Nallah	Eastern Zone	01-04-2009	198.90	10.48
69	Tahin Nallah	Eastern Zone	02-04-2011	222.98	11.75
70	Mago MHS	Western Zone	01-04-2014	140.44	7.40
71	Ayingmuri MHS	Western Zone	01-04-2011	175.00	9.22
72	Limeking MHS	Western Zone	01-04-2011	21.00	1.11
73	Mechuka	Eastern Zone	01-04-2012	113.02	5.95
74	Sirikorang MHS	Eastern Zone	01-04-2008	646.11	34.04
75	Awapani at Gepuline	Eastern Zone	01-04-2018	714.46	37.64
76	Dura Nallah	Western Zone	01-04-2009	404.87	21.33
77	Kachopani MHS	Eastern Zone	02-04-2009	393.33	20.72
78	Jigaon	Eastern Zone	01-04-2011	71.85	3.79
79	Zhongdongrong	Western Zone	01-04-2011	1406.44	74.09
Sub Total ==>				13620.94	717.56
Total				43032.62	2266.97

Projects considered by commission**O&M Cost for FY 2019-20**

Sl. No.	Name of Station	Division/Zone	Installed Capacity (MW)	O & M COST for FY 2019-20 (Rs. In Lakh)
1	Kitpi Ph-I	Western Zone	1.50	60.36
2	Nuranang	Western Zone	6.00	181.03
3	T. Gompa	Western Zone	0.05	2.01
4	Dudunghar (Chellengk - PhI)	Western Zone	0.03	1.21
5	Bramdhongchung	Western Zone	0.10	4.03
6	Shakti Nallah	Western Zone	0.10	4.03
7	Kitpi MHS Ph-II	Western Zone	3.00	120.71
8	Chellengkang Ph-II	Western Zone	0.03	1.21
9	Bongleng	Western Zone	0.10	4.03
10	Thimbu	Western Zone	0.10	4.03
11	Bramdhongchung Ph-II	Western Zone	0.10	4.03
12	Tsechu Nallah	Western Zone	0.10	4.03
13	Rahung	Western Zone	0.75	30.18
14	Dirang	Western Zone	2.00	80.47
15	Sessa	Western Zone	1.50	60.36
16	Rupa	Western Zone	0.20	8.05
17	Dokumpani	Western Zone	0.03	1.21
18	Domkhong	Western Zone	2.00	80.47
19	Sinchung	Western Zone	0.05	2.01
20	Ankaling	Western Zone	0.03	1.21
21	Khet	Western Zone	0.10	4.03
22	Mago MHS	Western Zone	0.10	4.03
23	Dikshi	Western Zone	0.03	1.21
24	Khadiyabey	Western Zone	0.20	8.05
25	Saktangrong	Western Zone	0.30	12.07
26	Seppa	Western Zone	0.30	12.07
27	Pakke Kessang	Western Zone	0.03	1.21
28	Pacha MHS	Western Zone	3.00	120.71
29	Pakoti	Western Zone	0.10	4.03
30	Patta Nallah	Western Zone	0.10	4.03
31	Watte Mame	Western Zone	0.05	2.01
32	Kade Nallah	Western Zone	0.05	2.01
33	Patte MHS at Tali	Western Zone	0.03	1.21
34	Koye	Western Zone	0.05	2.01
35	Chambang	Western Zone	0.03	1.21
36	Paya MHS at Hiya	Western Zone	0.10	4.03
37	Mai Ph-I	Western Zone	2.00	80.47
38	Mai Ph-II	Western Zone	1.00	40.24
39	Tago	Western Zone	4.50	181.07
40	Dulom (Daporijo)	Western Zone	0.40	16.09
41	Maro	Western Zone	0.03	1.21
42	Sippi	Western Zone	4.00	160.95
Sub Total			34.27	1318.55

Projects considered by commission**O&M Cost for FY 2019-20**

Sl. No.	Name of Station	Division/Zone	Installed Capacity (MW)	O & M COST for FY 2019-20 (Rs. In Lakh)
43	Ayingmuri MHS	Western Zone	0.25	10.06
44	Limeking MHS	Western Zone	0.03	1.21
45	Pinto Karo MHS	Western Zone	0.03	1.21
46	Sikin Karo	Western Zone	0.20	8.05
47	Sinyum Koro	Western Zone	0.10	4.03
48	Kojin Nallah	Western Zone	0.10	4.03
49	Pagi (Basar)	Easter Zone	0.10	4.03
50	Along	Easter Zone	0.40	16.09
51	Ego-Echi (Dali)	Easter Zone	0.40	16.09
52	Mechuka	Easter Zone	0.15	6.04
53	Yomcha	Easter Zone	0.05	2.01
54	Beye	Easter Zone	0.03	1.21
55	Kambang	Easter Zone	6.00	181.03
56	Liromoba	Easter Zone	2.00	80.47
57	Yingko Sikong at Rapum	Easter Zone	0.05	2.01
58	Angu	Easter Zone	0.05	2.01
59	Solegomang MHS	Easter Zone	0.05	2.01
60	Sirikorang MHS	Easter Zone	0.50	20.12
61	Yingkiong Ph-I	Easter Zone	0.15	6.04
62	Sikut/ Tuting	Easter Zone	0.10	4.03
63	Yingkiong Ph-II	Easter Zone	0.20	8.05
64	Selli at Geku	Easter Zone	0.50	20.12
65	Sirnyuk	Easter Zone	2.00	80.47
66	Kopu at Tuting	Easter Zone	0.25	10.06
67	Silingri	Easter Zone	0.05	2.01
68	Singa	Easter Zone	0.03	1.21
69	Ngaming	Easter Zone	0.05	2.01
70	Sika	Easter Zone	0.02	0.80
71	Mayung	Easter Zone	0.01	0.20
72	Gosang	Easter Zone	0.50	20.12
73	Kote MHS	Easter Zone	0.05	2.01
74	Sijen MHS at Adi pasi	Easter Zone	0.05	2.01
75	Pyabung MHS	Easter Zone	0.03	1.21
76	Pasighat	Easter Zone	0.20	8.05
77	Yembung	Easter Zone	2.00	80.47
78	Silli	Easter Zone	0.03	1.21
79	Rina	Easter Zone	2.00	80.47
80	Deopani Ph-I	Easter Zone	0.75	30.18
81	Abhapani	Easter Zone	0.45	18.11
82	Deopani Ph-II	Easter Zone	0.75	30.18
83	Anini/ Awapani Ph-I	Easter Zone	0.15	6.04
Sub Total			20.81	776.74

Projects considered by commission**O&M Cost for FY 2019-20**

Sl. No.	Name of Station	Division/Zone	Installed Capacity (MW)	O & M COST for FY 2019-20 (Rs. In Lakh)
84	Tah Ahfra Ph-I and Tah Ahfra Ph-II	Easter Zone	0.10	4.03
85	Chini Afra	Easter Zone	0.25	10.06
86	Echi Ahfra	Easter Zone	0.40	16.09
87	Awapani Ph-II	Easter Zone	0.50	20.12
88	Echito Nallah	Easter Zone	0.04	1.61
89	Rupapani	Easter Zone	0.04	1.61
90	Chu Nallah	Easter Zone	0.03	1.21
91	Awapani at Gepuline	Easter Zone	0.50	20.12
92	Doorah Nallah	Western Zone	0.50	20.12
93	Tafragram	Easter Zone	0.25	10.06
94	Kaho	Easter Zone	0.01	0.40
95	Kebitho	Easter Zone	0.03	1.21
96	Mati Nallah	Easter Zone	0.50	20.12
97	Yapak Nallah	Easter Zone	0.20	8.05
98	Teepani	Easter Zone	0.50	20.12
99	Krawti Nallah	Easter Zone	0.10	4.03
100	Hatipani	Easter Zone	0.10	4.03
101	Tah Nallah	Easter Zone	0.10	4.03
102	Maipani	Easter Zone	0.06	2.41
103	Ashapani	Easter Zone	0.06	2.41
104	Langpani	Easter Zone	0.40	16.09
105	Tissue	Easter Zone	0.40	16.09
106	Jongkey Nallah	Easter Zone	0.03	1.00
107	Ngonalo at Vijaynagar	Easter Zone	0.10	4.03
108	Tinning	Easter Zone	0.06	2.41
109	Chicklong	Easter Zone	0.15	6.04
110	Thiratju	Easter Zone	1.00	40.24
111	Charju	Easter Zone	0.60	24.15
112	Sumhok Nallah	Easter Zone	0.10	4.03
113	Tahin Nallah	Easter Zone	0.10	4.03
114	Kachopani MHS	Easter Zone	0.20	8.05
115	Jigaon	Easter Zone	0.10	4.03
116	Zhongdongrong	Western Zone	1.00	40.24
	Sub Total		31.42	1203.47
TOTAL AMOUNT (Rs. In Lakh)			86.50	3298.76



APPLICATION

FOR

ANNUAL REVENUE REQUIREMENT (ARR)

&

TARIFF PETITION FOR

FY 2019-20

PART – B

Submitted by:
Department of Hydro Power Development-2019

Index

Check list of forms and other documents for Annual Revenue Requirement filing by Generation Licencee		
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Name of the Hydro Generating Station : Kitpi Ph-I

State/ Dist.: Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	1500	1500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	12.48	12.48
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC			
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (No. of Units x KW)	KW	1500	1500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Nuranang

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF) & other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	6000	6000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	49.93	49.93
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	6000	6000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : T. Gompa

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Chellengkang Ph-I

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Bramdhongchung

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Shakti Nallah

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kitpi MHS Ph-II

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	3000	3000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	24.97	24.97
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	3000	3000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Chellengkang Ph-II

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Bongleng

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Thimbu

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Bramdhongchung Ph-II

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tsechu Nallah

State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Khet
State/ Distt. Arunachal Pradesh/ Tawang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Mago MHS

State/ Distt. Arunachal Pradesh/ West Kameng

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Format - HG 1.

Name of the Hydro Generating Station : Mukto

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)

& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	6000	6000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking MHS			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	49.93	49.93
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	6000	6000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Rahung

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	750	750
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	6.24	6.24
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	750	750
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Dirang
State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Format - HG 1.

Name of the Hydro Generating Station : Saktangrong MHS

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	300	300
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.50	2.50
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	300	300
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Format - HG 1.

Name of the Hydro Generating Station : Zhongdongrong

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)

& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	1000	1000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	8.32	8.32
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	1000	1000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sessa

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	1500	1500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	12.48	12.48
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	1500	1500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Rupa

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Dokumpani
 State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Domkhong
 State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sinchung

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Ankaling

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Dikshi

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Khadiyabey
State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Jigaon

State/ Distt. Arunachal Pradesh/ West Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Seppa

State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	300	300
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.50	2.50
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	300	300
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pakke Kessang

State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pacha MHS

State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	3000	3000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	24.97	24.97
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	3000	3000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pakoti

State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Patta Nallah

State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Watte Mame

State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kade Nallah
 State/ Distt. Arunachal Pradesh/ East Kameng District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Koye

State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Paya MHS at Hiya

State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kidding MHS
 State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Dumi Dutte
 State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Patte MHS at Tali

State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Chambang

State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Mai PH-I

State/ Distt. Arunachal Pradesh/ Lower Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Mai PH-II

State/ Distt. Arunachal Pradesh/ Lower Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	1000	1000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	8.32	8.32
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	1000	1000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tago

State/ Distt. Arunachal Pradesh/ Lower Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	4500	4500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	37.45	37.45
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	4500	4500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Maro

State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sippi

State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	4000	4000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	33.29	33.29
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	4000	4000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sinyum Koro
 State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.50	2.50
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pinto Karo MHS

State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	25	25
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.21	0.21
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	25	25
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sikin Koro

State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sinyum Koro
State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Dulom (Daporijo)

State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	400	400
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.33	3.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Ayingmuri MHS

State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	250	250
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.08	2.08
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	250	250
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : limeking MHS
 State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kojin Nallah
 State/ Distt. Arunachal Pradesh/ Upper Subansiri District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pagi (Basar)

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Along
State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	400	400
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.33	3.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Ego-Echi (Dali)

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	400	400
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.33	3.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Mechuka
State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	150	150
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
	Unit – 5			
	Unit – 6			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.25	1.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	150	150
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Yomcha
State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Beye

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kambang
 State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	6000	6000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	49.93	49.93
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	6000	6000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Liromoba

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Yingko Sikong at Rapum

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Angu

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Solegomang MHS

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Borung MHS

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sirikorang MHS

State/ Distt. Arunachal Pradesh/ West Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Yingkiong Ph-I

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	150	150
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.25	1.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	150	150
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Yingkiong Ph-II

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sikut/ Tuting

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Selli at Geku

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sirnyuk

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kopu at Tuting

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	250	250
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.08	2.08
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	250	250
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Silingri

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Singa

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Ngaming
State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sika

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	15	15
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.12	0.12
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	15	15
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Mayung
State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	5	5
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.04	0.04
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	5	5
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Gosang

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kote MHS

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sijen MHS at Adi pasi

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	50	50
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.42	0.42
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pyabung MHS

State/ Distt. Arunachal Pradesh/ Upper Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	25	25
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.21	0.21
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	25	25
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Pasighat
State/ Distt. Arunachal Pradesh/ East Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Yembung
State/ Distt. Arunachal Pradesh/ East Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Silli

State/ Distt. Arunachal Pradesh/ East Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	50	50
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Rina

State/ Distt. Arunachal Pradesh/ East Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	2000	2000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	16.64	16.64
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	2000	2000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Deopani Ph-I
 State/ Distt. Arunachal Pradesh/ Lower Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	750	750
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	6.24	6.24
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	750	750
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Deopani Ph-II

State/ Distt. Arunachal Pradesh/ Lower Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	750	750
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	6.24	6.24
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	750	750
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Abhapani

State/ Distt. Arunachal Pradesh/ Lower Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	450	450
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.74	3.74
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	450	450
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Anini/ awapani Ph-I

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	150	150
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.25	1.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	150	150
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Awapani Ph-II

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

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Name of the Hydro Generating Station : Awapani at Gepuline

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tah Ahfra Ph-I & Ph-II

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Chini Afra

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	250	250
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.08	2.08
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	250	250
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Echi Ahfra

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	400	400
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.33	3.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Echito Nallah

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	40	40
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.33	0.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	40	40
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Rupapani
 State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	40	40
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.33	0.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	40	40
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Chu Nallah

State/ Distt. Arunachal Pradesh/ Dibang Valley District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Dura Nallah

State/ Distt. Arunachal Pradesh/ Lohit District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
	Unit – 5			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tafragram

State/ Distt. Arunachal Pradesh/ Lohit District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	250	250
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	2.08	2.08
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	250	250
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tissue

State/ Distt. Arunachal Pradesh/ Changlang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	400	400
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.33	3.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Jongkey Nallah

State/ Distt. Arunachal Pradesh/ Changlang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	25	25
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.21	0.21
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	25	25
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Ngonalo at Vijaynagar

State/ Distt. Arunachal Pradesh/ Changlang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tinning
 State/ Distt. Arunachal Pradesh/ Changlang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	60	60
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.50	0.50
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	60	60
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Chicklong

State/ Distt. Arunachal Pradesh/ Changlang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	150	150
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.25	1.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	150	150
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Thiratju

State/ Distt. Arunachal Pradesh/ Tirap District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	1000	1000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
	Unit – 4			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	8.32	8.32
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	1000	1000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Charju

State/ Distt. Arunachal Pradesh/ Tirap District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	600	600
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
	Unit – 3			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.99	4.99
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	600	600
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Sumhok Nallah

State/ Distt. Arunachal Pradesh/ Tirap District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tahin Nallah

State/ Distt. Arunachal Pradesh/ Tirap District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kaho
State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	10	10
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.08	0.08
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	10	10
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kebitho

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	30	30
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.25	0.25
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	30	30
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Mati Nallah

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Yapak Nallah

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Teepani

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	500	500
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	4.16	4.16
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	500	500
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Krawti Nallah

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Hathipani

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Tah Nallah

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	100	100
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.83	0.83
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	100	100
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Maipani

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	60	60
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.50	0.50
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	60	60
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Ashapani

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	60	60
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	0.50	0.50
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	60	60
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Langpani

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	400	400
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	3.33	3.33
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	400	400
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Kachopani MHS

State/ Distt. Arunachal Pradesh/ Anjaw District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	200	200
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	1.66	1.66
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	200	200
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Payu MHS at Koloriang

State/ Distt. Arunachal Pradesh/ Kurung Kumey District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	1000	1000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	8.32	8.32
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	1000	1000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generating Station : Subbung

State/ Distt. Arunachal Pradesh/ Siang District

Details of Cod, Type of Hydro Stations, Normative Annual Plant, Availability Factor (NAPAF)				
& other normative parameters considered for Tariff				
Sl. No.	Description	Unit	2018-19 (Estimated)	2019-20 (Projected)
1	Installed Capacity	KW	3000	3000
2	Free Power to home state	%	NIL	NIL
3	Date of commercial operation			
	Unit – 1			
	Unit – 2			
4	Type of Station			
	a) Surface/ underground			
	b) Purely ROR/ Pondage/ Storage			
	c) Peaking/ non-peaking			
	d) No of hours of peaking			
	e) Overload capacity (MW) & period			
5	Type of excitation			
	a) Rotating exciters on generator			
	b) Static excitation			
6	Design Energy (Annual)	Mus	24.97	24.97
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%		
9.1	Maintenance Spares for WC	Rs. Lakh		
9.2	Receivable for WC	R. Lakh		
9.3	Base Rate of return on equity	%	14	14
9.4	Tax Rate	%	Not Applicable	Not Applicable
9.5	Prime lending Rate of SBI as on April' 2017	%	13.45%	13.45%
10.1	Type			
10.2	Installed Capacity (Bo of Units x MW)	KW	3000	3000
10.3	Peaking capacity during lean period (MW)			
10.4	Type of Turbine			
10.5	Rated Head (M)			
10.6	Rated Discharge (Cumes)			

Name of the Hydro Generation Station: Kitpi Ph-I

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 1500

Year

S. No.	Month	Design Energy (Mus)	KW Continuous
1	April	1.03	
2	May	1.06	
3	June	1.03	
4	July	1.06	
5	August	1.06	
6	September	1.03	
7	October	1.06	
8	November	1.03	
9	December	1.06	
10	January	1.06	
11	February	0.96	
12	March	1.06	

Name of the Hydro Generation Station: Nuranang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 6000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	4.10	
2	May	4.24	
3	June	4.10	
4	July	4.24	
5	August	4.24	
6	September	4.10	
7	October	4.24	
8	November	4.10	
9	December	4.24	
10	January	4.24	
11	February	3.83	
12	March	4.24	

Name of the Hydro Generation Station: T. Gompa

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Challengkang Ph-I

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Bramdhongchung

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Shakti Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Kitpi MHS Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 3000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	2.05	
2	May	2.12	
3	June	2.05	
4	July	2.12	
5	August	2.12	
6	September	2.05	
7	October	2.12	
8	November	2.05	
9	December	2.12	
10	January	2.12	
11	February	1.92	
12	March	2.12	

Name of the Hydro Generation Station: Challengang Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Bongleng

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Thimbu

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Bramdhongchung Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Tsechu Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Khet

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Mago MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Mukto MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 6000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	4.10	
2	May	4.24	
3	June	4.10	
4	July	4.24	
5	August	4.24	
6	September	4.10	
7	October	4.24	
8	November	4.10	
9	December	4.24	
10	January	4.24	
11	February	3.83	
12	March	4.24	

Name of the Hydro Generation Station: Rahung

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 750

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.51	
2	May	0.53	
3	June	0.51	
4	July	0.53	
5	August	0.53	
6	September	0.51	
7	October	0.53	
8	November	0.51	
9	December	0.53	
10	January	0.53	
11	February	0.48	
12	March	0.53	

Name of the Hydro Generation Station: Dirang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Saktangrong MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 300

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.21	
2	May	0.21	
3	June	0.21	
4	July	0.21	
5	August	0.21	
6	September	0.21	
7	October	0.21	
8	November	0.21	
9	December	0.21	
10	January	0.21	
11	February	0.19	
12	March	0.21	

Name of the Hydro Generation Station: Zhongdongrong

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 1000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.68	
2	May	0.71	
3	June	0.68	
4	July	0.71	
5	August	0.71	
6	September	0.68	
7	October	0.71	
8	November	0.68	
9	December	0.71	
10	January	0.71	
11	February	0.64	
12	March	0.71	

Name of the Hydro Generation Station: Sessa

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 1500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.03	
2	May	1.06	
3	June	1.03	
4	July	1.06	
5	August	1.06	
6	September	1.03	
7	October	1.06	
8	November	1.03	
9	December	1.06	
10	January	1.06	
11	February	0.96	
12	March	1.06	

Name of the Hydro Generation Station: Rupa

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Dokumpani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Domkhong

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Sinchung

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Ankaling

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Dikshi

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Khadiyabey

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Jigaon

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Seppa

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 300

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.21	
2	May	0.21	
3	June	0.21	
4	July	0.21	
5	August	0.21	
6	September	0.21	
7	October	0.21	
8	November	0.21	
9	December	0.21	
10	January	0.21	
11	February	0.19	
12	March	0.21	

Name of the Hydro Generation Station: Pakke Kessang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Pacha MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 3000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	2.05	
2	May	2.12	
3	June	2.05	
4	July	2.12	
5	August	2.12	
6	September	2.05	
7	October	2.12	
8	November	2.05	
9	December	2.12	
10	January	2.12	
11	February	1.92	
12	March	2.12	

Name of the Hydro Generation Station: Pakoti

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Patta Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Watte Mame

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Kade Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Koye

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Paya MHS at Hiya

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Kidding MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Dumi Dutte

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Patte MHS at Tali

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Chambang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Mai PH-I

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Mai PH-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 1000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.68	
2	May	0.71	
3	June	0.68	
4	July	0.71	
5	August	0.71	
6	September	0.68	
7	October	0.71	
8	November	0.68	
9	December	0.71	
10	January	0.71	
11	February	0.64	
12	March	0.71	

Name of the Hydro Generation Station: Tago

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 4500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	3.08	
2	May	3.18	
3	June	3.08	
4	July	3.18	
5	August	3.18	
6	September	3.08	
7	October	3.18	
8	November	3.08	
9	December	3.18	
10	January	3.18	
11	February	2.87	
12	March	3.18	

Name of the Hydro Generation Station: Maro

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Sippi

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 4000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	2.74	
2	May	2.83	
3	June	2.74	
4	July	2.83	
5	August	2.83	
6	September	2.74	
7	October	2.83	
8	November	2.74	
9	December	2.83	
10	January	2.83	
11	February	2.55	
12	March	2.83	

Name of the Hydro Generation Station: Sinyum

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.21	
2	May	0.21	
3	June	0.21	
4	July	0.21	
5	August	0.21	
6	September	0.21	
7	October	0.21	
8	November	0.21	
9	December	0.21	
10	January	0.21	
11	February	0.19	
12	March	0.21	

Name of the Hydro Generation Station: Pinto Karo MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 25

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Sikin Koro

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Sinyum Koro

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Dulom (Daporijo)

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 400

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.27	
2	May	0.28	
3	June	0.27	
4	July	0.28	
5	August	0.28	
6	September	0.27	
7	October	0.28	
8	November	0.27	
9	December	0.28	
10	January	0.28	
11	February	0.26	
12	March	0.28	

Name of the Hydro Generation Station: Ayingmuri MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 250

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.17	
2	May	0.18	
3	June	0.17	
4	July	0.18	
5	August	0.18	
6	September	0.17	
7	October	0.18	
8	November	0.17	
9	December	0.18	
10	January	0.18	
11	February	0.16	
12	March	0.18	

Name of the Hydro Generation Station: Limeking MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Kojin Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Pagi (Basar)

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Along

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 400

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.27	
2	May	0.28	
3	June	0.27	
4	July	0.28	
5	August	0.28	
6	September	0.27	
7	October	0.28	
8	November	0.27	
9	December	0.28	
10	January	0.28	
11	February	0.26	
12	March	0.28	

Name of the Hydro Generation Station: Ego-Echi (Dali)

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 400

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.27	
2	May	0.28	
3	June	0.27	
4	July	0.28	
5	August	0.28	
6	September	0.27	
7	October	0.28	
8	November	0.27	
9	December	0.28	
10	January	0.28	
11	February	0.26	
12	March	0.28	

Name of the Hydro Generation Station: Mechuka

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 150

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.10	
2	May	0.11	
3	June	0.10	
4	July	0.11	
5	August	0.11	
6	September	0.10	
7	October	0.11	
8	November	0.10	
9	December	0.11	
10	January	0.11	
11	February	0.10	
12	March	0.11	

Name of the Hydro Generation Station: Yomcha

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Beye

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Kambang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 6000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	4.10	
2	May	4.24	
3	June	4.10	
4	July	4.24	
5	August	4.24	
6	September	4.10	
7	October	4.24	
8	November	4.10	
9	December	4.24	
10	January	4.24	
11	February	3.83	
12	March	4.24	

Name of the Hydro Generation Station: Liromoba

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Yingko Sikong at Rapum

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Angu

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Solegomang MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Borung MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Sirikorang MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Yingkiong Ph-I

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 150

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.10	
2	May	0.11	
3	June	0.10	
4	July	0.11	
5	August	0.11	
6	September	0.10	
7	October	0.11	
8	November	0.10	
9	December	0.11	
10	January	0.11	
11	February	0.10	
12	March	0.11	

Name of the Hydro Generation Station: Yingkiong Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Sikut/ Tuting

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Selli at Geku

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Sirnyuk

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Kopu at Tuting

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 250

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.17	
2	May	0.18	
3	June	0.17	
4	July	0.18	
5	August	0.18	
6	September	0.17	
7	October	0.18	
8	November	0.17	
9	December	0.18	
10	January	0.18	
11	February	0.16	
12	March	0.18	

Name of the Hydro Generation Station: Silingri

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Singa

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Ngaming

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Sika

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 15

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.01	
2	May	0.01	
3	June	0.01	
4	July	0.01	
5	August	0.01	
6	September	0.01	
7	October	0.01	
8	November	0.01	
9	December	0.01	
10	January	0.01	
11	February	0.01	
12	March	0.01	

Name of the Hydro Generation Station: Mayung

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 5

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.003	
2	May	0.004	
3	June	0.003	
4	July	0.004	
5	August	0.004	
6	September	0.003	
7	October	0.004	
8	November	0.003	
9	December	0.004	
10	January	0.004	
11	February	0.003	
12	March	0.004	

Name of the Hydro Generation Station: Gosang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Kote MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Sijen MHS at Adi Pasi

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 50

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.04	
3	June	0.03	
4	July	0.04	
5	August	0.04	
6	September	0.03	
7	October	0.04	
8	November	0.03	
9	December	0.04	
10	January	0.04	
11	February	0.03	
12	March	0.04	

Name of the Hydro Generation Station: Pyabung MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 25

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Pasighat

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Yembung

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Silli

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Rina

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 2000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	1.37	
2	May	1.41	
3	June	1.37	
4	July	1.41	
5	August	1.41	
6	September	1.37	
7	October	1.41	
8	November	1.37	
9	December	1.41	
10	January	1.41	
11	February	1.28	
12	March	1.41	

Name of the Hydro Generation Station: Deopani Ph-I

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 750

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.51	
2	May	0.53	
3	June	0.51	
4	July	0.53	
5	August	0.53	
6	September	0.51	
7	October	0.53	
8	November	0.51	
9	December	0.53	
10	January	0.53	
11	February	0.48	
12	March	0.53	

Name of the Hydro Generation Station: Deopani Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 750

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.51	
2	May	0.53	
3	June	0.51	
4	July	0.53	
5	August	0.53	
6	September	0.51	
7	October	0.53	
8	November	0.51	
9	December	0.53	
10	January	0.53	
11	February	0.48	
12	March	0.53	

Name of the Hydro Generation Station: Abhapani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 350

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.24	
2	May	0.25	
3	June	0.24	
4	July	0.25	
5	August	0.25	
6	September	0.24	
7	October	0.25	
8	November	0.24	
9	December	0.25	
10	January	0.25	
11	February	0.22	
12	March	0.25	

Name of the Hydro Generation Station: Anini/ Awapani Ph-I

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 150

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.10	
2	May	0.11	
3	June	0.10	
4	July	0.11	
5	August	0.11	
6	September	0.10	
7	October	0.11	
8	November	0.10	
9	December	0.11	
10	January	0.11	
11	February	0.10	
12	March	0.11	

Name of the Hydro Generation Station: Awapani Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Awapani at Gepuline

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Tah Ahfra Ph-I & Ph-II

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Chini Afra

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 250

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.17	
2	May	0.18	
3	June	0.17	
4	July	0.18	
5	August	0.18	
6	September	0.17	
7	October	0.18	
8	November	0.17	
9	December	0.18	
10	January	0.18	
11	February	0.16	
12	March	0.18	

Name of the Hydro Generation Station: Echi Ahfra

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 400

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.27	
2	May	0.28	
3	June	0.27	
4	July	0.28	
5	August	0.28	
6	September	0.27	
7	October	0.28	
8	November	0.27	
9	December	0.28	
10	January	0.28	
11	February	0.26	
12	March	0.28	

Name of the Hydro Generation Station: Echito Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 40

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.03	
3	June	0.03	
4	July	0.03	
5	August	0.03	
6	September	0.03	
7	October	0.03	
8	November	0.03	
9	December	0.03	
10	January	0.03	
11	February	0.03	
12	March	0.03	

Name of the Hydro Generation Station: Rupapani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 40

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.03	
2	May	0.03	
3	June	0.03	
4	July	0.03	
5	August	0.03	
6	September	0.03	
7	October	0.03	
8	November	0.03	
9	December	0.03	
10	January	0.03	
11	February	0.03	
12	March	0.03	

Name of the Hydro Generation Station: Chu Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Doorah Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Tafragram

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 250

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.17	
2	May	0.18	
3	June	0.17	
4	July	0.18	
5	August	0.18	
6	September	0.17	
7	October	0.18	
8	November	0.17	
9	December	0.18	
10	January	0.18	
11	February	0.16	
12	March	0.18	

Name of the Hydro Generation Station: Tissue

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 400

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.27	
2	May	0.28	
3	June	0.27	
4	July	0.28	
5	August	0.28	
6	September	0.27	
7	October	0.28	
8	November	0.27	
9	December	0.28	
10	January	0.28	
11	February	0.26	
12	March	0.28	

Name of the Hydro Generation Station: Jongkey Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 25

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Ngonalo at Vijaynagar

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Tinning

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 60

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.04	
2	May	0.04	
3	June	0.04	
4	July	0.04	
5	August	0.04	
6	September	0.04	
7	October	0.04	
8	November	0.04	
9	December	0.04	
10	January	0.04	
11	February	0.04	
12	March	0.04	

Name of the Hydro Generation Station: Chicklong

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 150

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.10	
2	May	0.11	
3	June	0.10	
4	July	0.11	
5	August	0.11	
6	September	0.10	
7	October	0.11	
8	November	0.10	
9	December	0.11	
10	January	0.11	
11	February	0.10	
12	March	0.11	

Name of the Hydro Generation Station: Thiratju

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 1000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.68	
2	May	0.71	
3	June	0.68	
4	July	0.71	
5	August	0.71	
6	September	0.68	
7	October	0.71	
8	November	0.68	
9	December	0.71	
10	January	0.71	
11	February	0.64	
12	March	0.71	

Name of the Hydro Generation Station: Charju

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 600

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.41	
2	May	0.42	
3	June	0.41	
4	July	0.42	
5	August	0.42	
6	September	0.41	
7	October	0.42	
8	November	0.41	
9	December	0.42	
10	January	0.42	
11	February	0.38	
12	March	0.42	

Name of the Hydro Generation Station: Sumhok Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Tahin Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Kaho

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 10

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.01	
2	May	0.01	
3	June	0.01	
4	July	0.01	
5	August	0.01	
6	September	0.01	
7	October	0.01	
8	November	0.01	
9	December	0.01	
10	January	0.01	
11	February	0.01	
12	March	0.01	

Name of the Hydro Generation Station: Kebitho

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 30

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.02	
2	May	0.02	
3	June	0.02	
4	July	0.02	
5	August	0.02	
6	September	0.02	
7	October	0.02	
8	November	0.02	
9	December	0.02	
10	January	0.02	
11	February	0.02	
12	March	0.02	

Name of the Hydro Generation Station: Mati Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Yapak Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Teepani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 500

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.34	
2	May	0.35	
3	June	0.34	
4	July	0.35	
5	August	0.35	
6	September	0.34	
7	October	0.35	
8	November	0.34	
9	December	0.35	
10	January	0.35	
11	February	0.32	
12	March	0.35	

Name of the Hydro Generation Station: Krawti Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Hathipani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Tah Nallah

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 100

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.07	
2	May	0.07	
3	June	0.07	
4	July	0.07	
5	August	0.07	
6	September	0.07	
7	October	0.07	
8	November	0.07	
9	December	0.07	
10	January	0.07	
11	February	0.06	
12	March	0.07	

Name of the Hydro Generation Station: Maipani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 60

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.04	
2	May	0.04	
3	June	0.04	
4	July	0.04	
5	August	0.04	
6	September	0.04	
7	October	0.04	
8	November	0.04	
9	December	0.04	
10	January	0.04	
11	February	0.04	
12	March	0.04	

Name of the Hydro Generation Station: Ashapani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 60

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.04	
2	May	0.04	
3	June	0.04	
4	July	0.04	
5	August	0.04	
6	September	0.04	
7	October	0.04	
8	November	0.04	
9	December	0.04	
10	January	0.04	
11	February	0.04	
12	March	0.04	

Name of the Hydro Generation Station: Langpani

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 400

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.27	
2	May	0.28	
3	June	0.27	
4	July	0.28	
5	August	0.28	
6	September	0.27	
7	October	0.28	
8	November	0.27	
9	December	0.28	
10	January	0.28	
11	February	0.26	
12	March	0.28	

Name of the Hydro Generation Station: Kachopani MHS

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 200

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.14	
2	May	0.14	
3	June	0.14	
4	July	0.14	
5	August	0.14	
6	September	0.14	
7	October	0.14	
8	November	0.14	
9	December	0.14	
10	January	0.14	
11	February	0.13	
12	March	0.14	

Name of the Hydro Generation Station: Payu MHS at Koloriang

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 1000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	0.68	
2	May	0.71	
3	June	0.68	
4	July	0.71	
5	August	0.71	
6	September	0.68	
7	October	0.71	
8	November	0.68	
9	December	0.71	
10	January	0.71	
11	February	0.64	
12	March	0.71	

Name of the Hydro Generation Station: Subbung

DESIGN ENERGY AND MW CONTINUOUS (monthwise)- RUN OF RIVER TYPE
STATIONS

Installed Capacity: No. of Units X.KW = 3000

Year

S. No.	Month	Design Energy (Mus)	MW Continuous
1	April	2.05	
2	May	2.12	
3	June	2.05	
4	July	2.12	
5	August	2.12	
6	September	2.05	
7	October	2.12	
8	November	2.05	
9	December	2.12	
10	January	2.12	
11	February	1.92	
12	March	2.12	

Annual Revenue Requirement**(Rs. In Lakhs)**

S. No	Particulars	2019-20 (Projected)
1	Gross Generation (MU)	63.43
2	Auxiliary Consumption (MU)	1.29
3	Net Generation (MU)	62.14
4	Free Energy to home state (MU)	0.00
5	Royalty (Rs.)	0.00
6	Water Charges (Rs.)	0.00
7	Capacity Charges (Rs.)	
	a) Interest on Loan capitals (Rs.)	0.00
	b) Depreciation (Rs.)	2195.40
	c) Advance against depreciation (Rs.)	0.00
	d) O&M Expenses (Rs.)	3722.46
	e) Interest on working capital (Rs.)	289.44
	f) Foreign exchange Rate (%)	
	g) Return on Equity	3682.46
	h) Income Taxes (Rs.)	
	Total fixed expenses (5+6+7)	9889.75

Format - 2**TOTAL NUMBER OF EMPLOYEES**

S. No	Particulars	2019-20 (Projected)
1	2	3
1	Number of employees as on 1st April	2831.00
2	Number of employees recruited during the year	0.00
3	Number of employees on deputation / foreign service as on 1st April	0.00
4	Total Number of employees (1+2+3)	2831.00
5	Number of employees retired/ retiring during the year	0.00
6	Number of employees at the end of the year (4-5)	2831.00

EMPLOYEES PRODUCTIVE PARAMETERS

S. No	Particulars	2019-20 (Projected)
1	2	3
1	Energy sold in MU	62.14
2	Employees per MU of energy sold	45.56
3	Power station installed capacity own generation (MW)	74.08
4	Employees per MW of capacity for generating company	38.22

INVESTMENT PLAN (SCHEME - WISE)**(Rs. In Lakhs)**

Sl. No.	Name of Scheme/ Project	Approved Outlay	2017-18 (Actuals)	2018-19 (Actuals)	2019-20 (Projected)	Progressive Expenditure upto Ensuing year
1	2	3	4	5	6	7
1	New HEP/renovation of existing HEP/civil structures etc.	Details provided in Annexure-9 & 10				

INVESTMENT PLAN (YEAR - WISE)

(Rs. In Lakhs)

S/ No.	Year	Originally proposed by the Utility	Approved by the Commission	Revised by the Utility	Revised approval by the Commission in review	Actual expenditure upto
1	2	3	4	5	6	7
1	2017-18	Details provided in Annexure-9 & 10				
2	2018-19					
3	2019-20					