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BEFORE THE HIMACHAL PRADESH ELECTRICITY  
REGULATORY COMMISSION, SHIMLA

Petition for  
Determination of Average Pooled  
Purchase Cost for FY 2021-22



July 2021

Himachal Pradesh State Electricity Board Limited,  
Vidyut Bhawan, Shimla-171004

Received Petition alongwith  
prescribed fees of Rs 10.00 lacs  
vide No 8080625 dt 27/7/21  
SRE-70  
R. Suresh  
20/7/21

BEFORE THE HIMACHAL PRADESH ELECTRICITY REGULATORY COMMISSION, SHIMLA

Filing No.....

Petition No....28-2021.....

IN THE MATTER OF: Determination of Average Pooled Power Purchase Cost (APPC) for FY 2021-22

AND

IN THE MATTER OF Himachal Pradesh State Electricity Board Limited (hereinafter referred to as "HPSEBL" or "The HPSEBL"), Vidyut Bhawan, Shimla - 171004

- Applicant

The Applicant respectfully submits as under: -

1. Himachal Pradesh State Electricity Board Limited (HPSEBL) is a deemed licensee under first provision of Section 14 of the Electricity Act, 2003 for distribution and supply of electricity in the state of Himachal Pradesh. Consequent to the enactment of the Electricity Act, 2003 (hereinafter referred to as the "Act"), the process of approval of proposed tariffs is vested with the State Commission.
2. Based on the provisions of Section 62 of the Act and in compliance with the directives of the Commission on the matter, HPSEBL is filing the current petition, for determination of Average Pooled Power Purchase Cost for FY 2021-22.

Chief Engineer (Comm.)  
HPSEBL, Vidyut Bhawan  
Shimla-4

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Chief Engineer (Comm.)  
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# 1. BACKGROUND

- 1.1. The petition pertains to determination of Average Pooled Power Purchase Cost (APPC) for the financial year 2021-22 in accordance with regulation 5(1)(c) of the CERC (Terms and Conditions for Recognition and Issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 amended from time to time.
- 1.2. HPSEB Limited submits that while nearly all the components of power purchase cost are determined by CERC & HPERC in advance, the Average Pooled Power Purchase Rate (APPC Rate) is being determined by HPERC on year on year basis and accordingly the HPSEB Limited is filing the present petition before the Hon'ble HPERC for determination of APPC rates for FY 2021-22.
- 1.3. The meaning of Pooled Cost of Purchase is as given under the Explanation to regulation 5(1)(c) of CERC ((Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations 2010. Thus the meaning stipulates that the 'Pooled cost of Purchase' is the weighted average pooled price at which Distribution Licensees has purchased electricity in the previous year from:-
  - (i) long term suppliers
  - (ii) short term suppliers
  - (iii) includes own generation but excludes renewable energy sources;
- 1.4. The Power Purchase quantum and costs for FY 21 are as per the Provisional Audited Accounts of HPSEBL. The Average pooled power purchase cost for FY 22 is computed in accordance with the following:-
  - (i) The arrears pertaining to past periods, which were paid in FY 21, have been excluded as these are not recurring in nature.
  - (ii) Unscheduled Interchange (UI) has also not been included in line with the philosophy approved by the Hon'ble Commission in APPC Order for FY 2012-13.
  - (iii) The PGCIL/ Transmission Charges/ ULDC/ Other Charges have also been excluded in line with the philosophy approved by the Hon'ble Commission in APPC Order of 2012-13.
  - (iv) The approved rates of Own generating stations have been taken from First APR Tariff Order 6.6.2020 for 4th Control Period for Distribution Business of HPSEBL.
  - (v) The Forward (inward) Banking at zero cost has been considered as approved by Hon'ble Commission in previous order.
  - (vi) Methodology laid down in the Commission's Orders dated 16.07.2012.

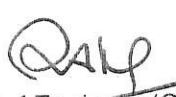
  
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Table 1: APPC Rate for FY 2021-22

Power Purchase for FY 2020-21				
Sr. No	Name of Station	Energy Purchased (in Mus)	Per unit Rate (Paisa/unit)	Total Amount (in Rs. Cr)
A	<i>HPSEBL Stations (above 25 MW)</i>			
	Bhaba	471.84	83	39.16
	Bassi	303.72	83	25.21
	Giri	164.09	96	15.75
	Larji	541.32	237	128.29
	<b>Total (A)</b>	<b>1,480.97</b>	<b>141</b>	<b>208.42</b>
B	<i>BBMB Stations</i>			
	BBMB Old	43.80	90	3.94
	BBMB New, Dehar and Pong	585.62	59	34.84
	<b>Total (B)</b>	<b>629.42</b>	<b>62</b>	<b>38.78</b>
C	<i>NTPC Stations</i>			
	Anta(GF)	7.01	1,348	9.45
	Anta (RF)	0.12	1,510	0.19
	Auraiya(GF)	19.33	860	16.62
	Auraiya(LF)	0.07	403	0.03
	Auraiya(RF)	0.82	1,464	1.20
	Dadri(GF)	52.42	428	22.42
	Dadri(LF)	0.47	684	0.32
	Dadri(RF)	0.41	1,577	0.64
	Unchahar-I	49.86	416	20.74
	Unchahar-II	113.60	391	44.42
	Unchahar-III	53.73	454	24.40
	Unchahar-IV	7.93	458	3.63
	Rihand-1 STPS	198.20	242	47.99
	Rihand-2 STPS	236.14	213	50.30
	Rihand-3 STPS	205.65	310	63.66
	Kahalgoan II	92.76	371	34.41
	Singrauli STPP	42.92	187	8.04
	Dadri II TPS	10.70	526	5.63
	Tanda TPS	17.79	367	6.54
	Koldam HEP	470.62	522	245.49
	<b>Total (C)</b>	<b>1580.53</b>	<b>383</b>	<b>606.09</b>
D	<i>NHPC Stations</i>			
	Chamera-I	61.45	211	12.94
	Chamera-II	22.17	264	5.86
	Chamera-III (GoHP RLDC)	0.62	41	0.03
	Parbati III (GoHP RLDC)	0.00	-	0.04
	Bairasuil (GoHP RLDC)	0.00	-	0.01
	Dhaulī Ganga	40.34	270	10.88
	Salal	33.93	249	8.46
	Tanakpur	13.35	391	5.22
	Uri	77.85	213	16.58
	<b>Total (D)</b>	<b>249.69</b>	<b>240</b>	<b>60.00</b>
E	<i>PP Cost from Other Stations</i>			
	NAPP	93.60	302	28.25
	RAPP	104.76	385	40.37
	NathpaJhakriSoR	166.26	243	40.47
	NathpaJhakri Equity	1538.26	238	366.80
	Rampur HEP SoR	48.43	516	25.01
	Rampur HEP Equity	504.29	482	243.09
	Shanan (1 MW)	5.26	78	0.41
	Shanan Extn (45 MU)	45.00	72	3.24
	Yamuna (UJVNL)	406.10	139	56.38
	Khara (UPPCL)	64.23	98	6.27

Power Purchase for FY 2020-21				
Sr. No	Name of Station	Energy Purchased (in Mus)	Per unit Rate (Paisa/unit)	Total Amount (in Rs. Cr)
	Baspa-II	1140.91	234	267.04
	<b>Total (E)</b>	<b>4117.11</b>	<b>262</b>	<b>1077.35</b>
F	<i>GoHP free Power</i>			
	BairaSuil (FP)	6.74	250	1.68
	Chamera -I (FP)	16.24	250	4.06
	Chamera -II (FP)	10.45	250	2.61
	Chamera- III (FP)	6.55	250	1.64
	Parbati -III (FP)	1.90	250	0.47
	Koldam HEP (FP)	22.59	250	5.65
	Shanan Share (FP)	2.63	250	0.66
	Ranjeet Sagar Dam (FP)	70.25	250	17.56
	Malana (FP)	66.67	250	16.67
	Baspa - II (FP)	155.58	250	38.89
	NathpaJhakri (FP)	55.49	250	13.87
	Rampur HEP (FP)	17.16	250	4.29
	Kasang HEP (FP)	1.63	250	0.41
	Chanju HEP (FP)	21.08	250	5.27
	Larji (FP)	73.16	250	18.29
	<b>Total (F)</b>	<b>528.12</b>	<b>250</b>	<b>132.03</b>
G	<i>REC Projects</i>			
	Upto 25 MW (REC Tariff)	307.67	249	76.61
	<b>Total (G)</b>	<b>307.67</b>	<b>249</b>	<b>76.61</b>
H	<i>Short-term Market and Bilateral Purchase</i>			
	IEX Purchase	496.17	328	162.94
	PXIL Purchase	34.95	418	14.61
	Short term Purchase	681.33	311	212.07
	Net Banking Purchase	104.19	0.00	0.00
	<b>Total (H)</b>	<b>1316.64</b>	<b>296</b>	<b>389.62</b>
	<b>Grand Total</b>	<b>10,210.15</b>	<b>254</b>	<b>2,588.89</b>

  
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 Shimla-4

## 2. Prayers

HPSEBL prays before the Hon'ble Commission to:

- a) Approve the APPC Rates of Rs. 2.54 per unit for FY 22 as proposed.
- b) To make the APPC rates applicable with effect from 01<sup>st</sup> April, 2021.
- c) To condone any inadvertent omissions/errors/shortcomings and permit the Petitioner to add/change/modify/alter this filing and make further submissions as may be required at a future date
- d) To allow further submissions, addition and alteration to this Petition as may be necessitating from time to time.
- e) Treat the filing as complete in view of substantial compliance as also the specific requests for waivers with justification placed on record;
- f) And pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case.

BY APPLICANT  
Chief Engineer (Comm.)  
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- Applicant

AFFIDAVIT

I, Er. Ram Prakash, son of Late Sh. Nand Lal, aged about 57 years, occupation Chief Engineer (Commercial), Vidyut Bhawan, HPSEB Limited, Shimla-171004, do hereby solemnly affirm and declare that I have gone through the contents of the accompanying reply and that the contents of same are true and correct to the best of my personal knowledge as derived from the official record.

I further solemnly affirm and verify that the contents of this affidavit are true and correct to the best of my personal knowledge, no part of it is false and nothing material has been concealed therein.

Verified and signed at Shimla on this 30th day of July, 2021.

Witness:

1) Udit Singh AECER/TT

2) Abhay Kumar Sahu JE (SERCTT)

Deponent Chief Engineer (Comm.) HPSEBL, Vidyut Bhawan Shimla-4