

PUNJAB STATE POWER CORPORATION LIMITED
OFFICE OF CHIEF ENGINEER/POWER PURCHASE & REGULATION

To

The Chief Engineer/ARR & TR,
PSPCL, Patiala.

Memo No: 582

/ISB-345/Vol.18

Dated: 25.3.2019

Sub: Petition for True up for FY 2017-18, Annual Performance Review for FY 2018-19 and Determination of Tariff for FY 2019-20.

Ref: Your Office Memo no. 438 dated 8.3.19.

In continuation to this office earlier memo no. 498, it is intimated that the issues stand deliberated and resolved in the meetings held with the Hon'ble PSERC on dated 12.3.19 and 20.3.19. However, the reply to the observations is being given as here under: -

1. Input energy (PSPCL V/s PSTCL) data - Reconciliations

The detail of reconciliation is appended as **Annexure-1.**

2. The NRSE power – Reconciliations

The detail of reconciliation is appended as **Annexure-2.**

3. UI payment of 18.35 Crore to TSPL

As per the state energy account issued by PSTCL, against the UI payment to TSPL amounting to Rs. 18.35 crore, PSPCL has received 92.9 Mus of energy. Accordingly, the average cost of power to PSPCL comes around Rs 1.98 per unit which is much below the overall average cost of power to PSPCL from all the available sources of energy. The month wise detail of energy received the UI payment made to TSPL is being appended as **Annexure-3.**

In addition to above, the reply to the other quarries which are relevant to this office is also being given as under: -

- **Banking of energy transaction – Reconciliation**

In this matter, it is submitted that the act of banking of energy is merely a shifting of surplus energy from lean season for its use during the peak season of the year. All the banking transaction is routed through NRLDC in the utility's daily scheduled and contract to contract reconciliation are being issued by NRLDC. The abstract of the banked energy for the year 2016-17, 2017-18, 2018-19 is being appended as **Annexure-4**. This matter also stands explained to the Hon'ble PSERC on dated 20.3.19.

- **Amount of washing charges paid to NPL**

Detail of washing charges paid to NPL appended as **Annexure-5**.

- **Detail of NRSE Power (Non-solar)**

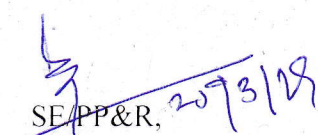
The detail of NRSE Power (non-solar) for the year 2017-18 as **Annexure-6**.

- **Profit on account of sale of surplus power (Breakup of fixed and energy charges)**

The detail w.r.t sale of surplus power during the year 2017-18 and its fixed cost offset impact (profit) is appended as **Annexure-7**.

This is for your kind information and favor of further necessary action please.

DA/As Above


SE/PP&R, 20/3/19
PSPCL, Patiala.

Input energy to PSTCL system from Interstate S/S and Generating plants for FY 2017-18		
Month	Total Input energy to PSTCL network (MWhr)	
Apr-17	3178328	MWhr
May-17	4582304	MWhr
Jun-17	4981671	MWhr
Jul-17	6603951	MWhr
Aug-17	6178639	MWhr
Sep-17	5336484	MWhr
Oct-17	3959420	MWhr
Nov-17	2660262	MWhr
Dec-17	2918229	MWhr
Jan-18	2928285	MWhr
Feb-18	2695787	MWhr
Mar-18	3331106	MWhr
TOTAL MWhr	49354466	MWhr
TOTAL MUS	49354	Mus

Annexure-1 (Pg.1/2)

PENDING POINTS DATA EXCLUDING BBMB	2957	Mus
NRSE Data Not accounted by PSTCL	2172	Mus
TOTAL INPUT ENERGY AS PER PSTCL	54483	Mus
TOTAL INPUT ENERGY AS PER PSPCL	54882	Mus
DIFFERENCE*	399	Mus

*Difference of 399 Mus may be due to 1. Non Availability BBMB Readings. 2. The accuracy of two different set of measuring instruments (meter). 3. Conventional meters at Generator Ends. 4. Transmission Losses of 3.12 % not included for the power directly received by DISCOM.

Annexure-1 (2/2)

Serial No	Station Name	Device Type	Feeder Name	Boundary Type	Voltage Level	Reading on 1/4/17 KWH	Reading on 31/3/18 KWH	Multiplying Factor	Total Consumption during 17-18 KWH
1	UBDC HEP, 132 KV UBDC Sama PH 3	Transmission Line	66 KV DinaNagar	G-D	66KV	1554064.00	1622215.00	1000.00	668151000
2	UBDC HEP, 132 KV UBDC Sama PH 3	Transmission Line	66 KV Sujapur	G-D	66KV	303456.00	33646.00	1000.00	301900000
3	UBDC HEP, 132 KV UBDC Sama PH 3	Transmission Line	66 KV RSD CKH	G-D	66KV	202695.40	214027.40	1333.00	15105556
4	UBDC HEP, 132 KV UBDC Sama PH 3	Transmission Line	66 KV RSD CKH	G-D	66KV				97176000.00
5	UBDC HEP, 132 KV UBDC Sama PH 3	Transmission Line	66 KV Narot Jarni Singh	G-D	66KV	1114845.00	1195089.00	500.00	401120000
6	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV Balarwalli	G-D	66KV	221090.00	221090.00	2000.00	44682000
7	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV Balarwalli (Vikram Cement Factory)	G-D	66KV	475689.80	508269.80	1333.00	43438914
8	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV Bhucho Mandi	G-D	66KV	735678.00	800925.00	1000.00	65247000
9	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV L. Mohabat	G-D	66KV	98269.00	102632.00	500.00	2181500
10	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV L. Mohabat	G-D	66KV	1412874.00	1543286.00	1000.00	130422000
11	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV Rumpura	G-D	66KV	1722147.00	1854563.00	1000.00	132416000
12	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV Nathana	G-D	66KV	1311548.75	1732513.00	240.00	101031420
13	220 KV GHTP, Lehra Mohabat	Transmission Line	66 KV Phul	G-D	66KV	622277.00	774022.00	1000.00	146745000
14	220 KV GNDTP, Bathinda	Transmission Line	132 KV NPL-1	G-D	132KV	56.41	97.89	360000.00	14880044.00
15	220 KV GNDTP, Bathinda	Transmission Line	132 KV NPL-2	G-D	132KV	18.06	20.8922	360000.00	1020024.00
16	220 KV GNDTP, Bathinda	Transmission Line	66 KV Malou-1	G-D	66KV	641355.00	700512	1000.00	59157000.00
17	220 KV GNDTP, Bathinda	Transmission Line	66 KV Malou-1	G-D	66KV	19063.9	41461.00	8000.00	179176800.00
18	220 KV GNDTP, Bathinda	Transmission Line	66 KV Malou-2	G-D	66KV	22002.90	45978.7	8000.00	191806400.00
19	220 KV GNDTP, Bathinda	Transmission Line	66 KV C Compound	G-D	66KV	548552.00	590962	2000.00	84820000.00
20	220 KV GNDTP, Bathinda	Transmission Line	66 KV MES - 1	G-D	66KV	381179.00	407671.00	2000.00	52964000.00
21	220 KV GNDTP, Bathinda	Transmission Line	66 KV MES- 2	G-D	66KV	187114.00	226551.00	2000.00	78874000.00
22	Mukherian HEP, 132 KV Mukherian PH 4	Transmission Line	66 KV Dasuya-2	G-D	66KV	3208.00	4158.00	240.00	228000.00
23	Mukherian HEP, 132 KV Mukherian PH 4	Transmission Line	66 KV Mukherian-2	G-D	66KV	949341.00	54908.00	2000.00	70376667.00
24	Mukherian HEP, 132 KV Mukherian PH 4	Transmission Line	66 KV Mukherian-1	G-D	66KV	628918.00	952065.00	240.00	73555280.00
25	Mukherian HEP, 132 KV Mukherian PH 4	Transmission Line	66 KV Ghogra	G-D	66KV	139594.00	282442.00	120.00	34253520.00
26	Mukherian HEP, 132 KV Mukherian PH 4	Transmission Line	66 KV Paper Mill	G-D	66KV	67256.00	69588.00	120.00	279840.00
27	Mukherian HEP, 132 KV Mukherian PH 4	Transmission Line	66 KV Dasuya-1	G-D	66KV	198.00	277.00	1000.00	79000.00
28	GGSSITP Roopar	Transmission Line	132 KV G. Ambuja	G-D	132KV				437240
TOTAL									1763

Serial No.	Utility Name	Station Name	Device Type	Feeder Name	Boundary Type	Reading on 1/4/17	Reading on 31/3/18	Multiplying Factor	Total Consumption during 17-18 KWH
ENERGY CONSUMPTION IN KWH FOR FY 2017-18									
1	PSFC	132 KV Shanan HEP	Transmission Line	132 KV Bassi-1	G-D	10307.10	20556.20	720.00	7667362.00
2	PSFC	132 KV Shanan HEP	Transmission Line	132 KV Bassi-2	G-D	34099.50	36061.60	720.00	1412712.00
3	PSFC	132 KV Shanan HEP	Transmission Line	66 KV Mandi	G-D	86747.00	128465.00	120.00	5126160.00
4	PSFC	132 KV Shanan HEP	Transmission Line	33 KV Bhan (Mandi)	G-D	-43371.00	-41041.00	30.00	69900.00
5	PSFC	220 KV Ranjit Sagar HEP	Transmission Line	220 KV HP Feeder (Jessore)	G-D	38121.30	49377.50	1600.00	1704920.00
6	PSFC	UBDC HEP, 132 KV UBDC Sama PH 3	Transmission Line	66 KV Kathua (J&K)	G-D	22194.00	53885.00	120.00	3802920.00
7	PSFC	220 KV GHTP, Lehra Mohabat	Transmission Line	220 KV Barnala(BMB)	G-D	1030966.30	1273834.29	1600.00	38858784.00
8	PSFC	132 KV Pathankot	Transmission Line	66 KV Kathua	G-D	20182500.00	39323000.00	83	5104133.33
9	BBMB	220 KV Dasuya	Transmission Line	220 KV Railway	G-D	88106.00	160629.00	300.00	21756900.00
10	BBMB	220 KV Jalandhar	Power Transformer	220 KV KV T1 (HV)	G-D				
11	BBMB	220 KV Jalandhar	Power Transformer	220/66 KV T2 (HV)	G-D				
12	BBMB	220 KV Pong	Transmission Line	66 KV Takwara	G-D				
13	BBMB	220 KV Jambalur	Power Transformer	220/66 KV T1 (HV)	G-D				
14	BBMB	220 KV Jambalur	Power Transformer	220/66 KV T2 (HV)	G-D				
15	BBMB	220 KV Jambalur	Power Transformer	220/66 KV T3 (HV)	G-D				
16	PSFC	66 KV Nangal	Transmission Line	66 KV Bhakka	G-D				
17	BBMB	132 KV Gangruwal	Transmission Line	33 KV Nandpurbedi	G-D				
18	PSFC	220 KV Mohali I	Transmission Line	66 KV CHD - 1 (Sec 56)	G-D	39640.30	15402.10	480.00	22836564.00
19	PSFC	220 KV Mohali I	Transmission Line	66 KV CHD - 2 (Sec 52)	G-D	22739.00	90486.80	480.00	176518944.00
20	PSFC	220 KV Mohali I	Transmission Line	66 KV CHD - 3 (Sec 39)	G-D	57579.00	63185.80	480.00	146691312.00
21	PSFC	220 KV Mohali I	Transmission Line	66 KV CHD - 4 (Sec 39)	G-D	2290.50	6508.20	480.00	146024496.00
22	BBMB	220 KV Sangur	Power Transformer	220/66 KV T1 (HV)	G-D				
23	BBMB	220 KV Sangur	Power Transformer	220/66 KV T2 (HV)	G-D				
24	BBMB	220 KV Sangur	Power Transformer	220/66 KV T3 (HV)	G-D				
TOTAL MUS									1194

Reconciliation of Energy sent as per Deficiency and ARR Petition

Particulars	Units
Data provided by IPC towards RPO compliance	3861
REC Purchase	62
* Net Metering	45
Own Hydel Generation(RE Power)	453
Short term NRSE purchase	992
SECI	72
NNVNL Solar	65
Net NRSE data provided in format 7	2172

* Net Metering :- RE power usage for self consumption by consumer under net metering policy.

TSPL -UI

Month	Energy Scheduled (LUs)	Net Energy Injected (LUs)	Net UI (LUs)	Net UI/ Deviation amount Recoverable (+)/ Payable(-) by PSPCL (Rs. Lakh)
Apr-17	3568.75750	3653.43690	84.67940	-143.81509
May-17			0.00000	
Jun-17	1950.99000	1977.73893	26.74893	-33.64947
Jul-17	8858.42473	8931.46543	73.04070	-99.29050
Aug-17	8087.35158	8210.30306	122.95148	-230.74953
Sep-17	8586.66150	8677.37352	90.71202	-212.28083
Oct-17	9238.82750	9368.07971	129.25221	-316.73501
Nov-17	7890.41300	8017.37053	126.95753	-249.56427
Dec-17	7586.75750	7734.07408	147.31658	-303.91560
Jan-18	8220.73400	8300.93169	80.19769	-136.83911
Feb-18	6889.15500	6911.13580	21.98080	-39.68124
Mar-18	7344.84150	7370.20074	25.35924	-68.83479
TOTAL	78222.91381	79152.11039	929.19658	-1835.35544

2016-17

Sr. No.	Utility	Trader	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
1	APPDCL(ASSAM)	APPCPL	0.00	0.00	15.15	23.80	22.43	19.66	2.13	0.00	0.00	0.00	0.00	0.00
2	UPPCPL (UP)	APPCPL	0.00	0.00	0.00	0.00	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Gridco (Orissa)	APPCPL	-48.00	-36.80	0.00	57.53	58.24	60.42	37.17	0.00	0.00	0.00	0.00	0.00
4	J&K	MPP(LMittal)	0.00	26.04	46.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	UPPCPL (UP)	MPP(LMittal)	0.00	0.00	0.00	0.00	0.00	35.57	0.00	0.00	0.00	0.00	0.00	0.00
6	J&K	MPP(LMittal)	0.00	0.00	21.90	22.63	22.62	21.89	0.00	0.00	0.00	0.00	0.00	0.00
7	Gridco (Orissa)	PTC	0.00	-45.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	UTTRANCHAL	MANIKARAN	0.00	0.00	0.00	78.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	APPDCL (ASSAM)	MANIKARAN	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	TPDDL(DELHI)	APPCPL	0.00	0.00	0.90	6.75	6.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	BYPL (DELHI)	APPCPL	0.00	0.00	0.00	17.55	8.45	0.00	0.00	0.00	-4.88	-4.88	-4.41	0.00
12	J&K	MPP(LMittal)	0.00	0.00	7.48	7.20	9.38	0.00	-25.25	0.00	0.00	-15.50	-1.65	0.00
13	J&K	MPP(LMittal)	0.00	0.00	1.01	0.00	0.00	0.00	-1.01	0.00	0.00	0.00	0.00	0.00
14	HPSEBL (A&W)	Direct	-1.20	-17.40	0.00	19.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	HPSEBL (Adv. Impor)	Direct	0.00	37.20	81.00	121.20	129.60	36.00	0.00	-36.00	-132.00	-148.80	-94.20	-20.33
16	HPSEBL (A&W)	Direct	0.00	39.31	0.47	0.00	9.62	3.90	0.00	0.00	1.09	0.00	0.00	0.00
17	Export HPSEBL	Direct	0.00	0.00	0.00	0.00	-2.21	-2.33	-2.10	-3.25	-12.45	0.00	-21.27	0.00
18	Gridco	APPCPL	-2.40	-37.20	0.00	0.00	26.59	13.43	1.85	0.00	0.00	0.00	0.00	-3.33
19	adv. Export HPSEBL	Direct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Rajasthan	MPP(LMittal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-47.04
21	Rajasthan	APPCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-8.55	-32.55	-29.40	0.00
22	APPDCL(ASSAM)	APPCPL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-8.55	-15.50	-29.40	0.00
23	Rajasthan	APPCPL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-8.55	-32.55	-29.40	0.00
	MPPMCL (MP)	Direct			25.54	121.85	121.72	145.38	82.31					
	MPPMCL (MP)	Direct			24.47	28.16	82.96			-72.3	-52.08			
	MPPMCL (MP)	Direct		11.05	21.95	21.44	69.87			-41.7	-41.85		-6.16	
	MPPMCL (MP) Adv	Direct									2.54		-0.4	
	Total	Net	-51.60	-23.16	246.62	528.39	572.39	333.93	95.10	-369.25	-512.84	-556.57	-206.36	-70.70

-14.05

Annexure 4 1/3

Banking 2017-18 (Mus)

Source	Utility	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
APPCPL	RUVNL	0.00	0.00	35.54	36.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APPCPL	ASEB	0.00	0.00	7.62	7.60	7.59	8.19	0.00	0.00	0.00	0.00	0.00	0.00
MPL	JVNL	0.00	0.00	35.54	36.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MPL	JVNL	0.00	0.00	35.54	36.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Direct	HPSEBL	0.00	0.00	28.79	18.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APPCPL	HPSEBL	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MPL	HPSEBL	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.90	0.00
MPL	HPSEBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MPL	HPSEBL	0.00	0.00	0.00	0.00	15.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MPL	HPSEBL	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MPL	HPSEBL	16.55	33.31	0.00	1.55	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00
Direct	HPSEBL	-54.00	0.00	0.00	0.00	54.54	0.00	-0.80	0.00	-21.12	0.00	0.00	-32.01
Direct	HPSEBL	3.87	0.00	0.00	0.00	-2.65	-1.22	0.00	0.00	0.00	0.00	0.00	0.00
Direct	UPCL	8.91	34.74	24.18	182.39	209.60	111.60	-0.28	-31.30	-152.40	0.00	0.00	0.00
MPL	HPSEBL	0.00	0.00	72.00	89.28	0.00	0.00	0.00	0.00	0.00	-223.20	-134.40	-148.80
MPL	HPSEBL	0.00	0.00	0.00	49.16	36.49	0.00	0.00	-48.00	0.00	-55.20	-52.80	-13.92
MPL	APPC	0.00	0.00	0.00	0.00	0.00	0.00	-1.39	-2.16	0.00	0.00	-44.38	0.00
PTC	JKPDD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-36.71	-67.20	-74.40
PTC	RUVNL	0.00	0.00	0.00	0.00	0.00	0.00	-100.80	-252.00	-223.20	-372.00	-134.40	-223.20
GMR	APPC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-15.00	-15.50	-15.50	-14.00	0.00
Direct	MPPMCL	0.00	0.00	0.00	158.58	137.88	83.03	8.50	0.40	13.20	4.40	0.00	-37.20
Direct	MPPMCL			13.24	1.90	105.89	21.32					19.00	0.00
Direct	MPPMCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-181.44	-186.00	-223.20	0.00	0.00
Direct	MPPMCL	0.00	0.00						0.00	0.00	0.00	0.00	0.00
Direct	HPSEBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APPCPL	NPCL	0	0	0	0	0	0	0.00	0.00	0.00	0.00	-11.40	-4.80
APPCPL	TANGEDCO	0	0	0	0	0	0	-33.72	0	-0.48	-6.48	0	-6.84
APPCPL	APPC	0	0	0	0	0	0	0	0	-2.64	-23.52	-13.2	-98.4
APPCPL	RUVNL								0	0	-73.4258	-100.8	-111.6
Net		-24.40	68.89	252.45	620.10	564.82	222.92	-143.64	-542.34	-605.80	-1042.57	-568.48	-751.17
							-1949.21						

Annexure 4 2/13

Answer - 4 [3]

		2018-19 (MUs)													
S.No	Banking	Total opening	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Total
1	APPCPL Rajasthan	-63.00	0.00	0.00	15.49	16.01	16.01	15.48	0.00	0.00	0.00	0.00	0.00		0.00
2	PTC Rajasthan	-63.00	0.00	0.00	15.49	16.01	16.01	15.48	0.00	0.00	0.00	0.00	0.00		0.00
3	APPCPL Andhra	-300.12	-72.00	-19.20	52.67	108.67	124.91	109.63	0.00	0.00	0.00	0.00	0.00		0.00
4	GMR Andhra	-39.06	-36.00	0.00	0.00	38.43	38.43	0.00	0.00	0.00	0.00	0.00	0.00		0.00
5	MPL Andhra	0.00	-72.00	0.00	0.00	0.00	56.70	18.90	0.00	0.00	0.00	0.00	0.00		0.00
6	MPPPL Andhra	-187.23	-72.00	-8.40	36.85	76.15	85.08	73.58	0.00	0.00	0.00	0.00	0.00		0.00
7	APPCPL TANGENCO	-144.65	-72.00	0.00	56.11	51.19	57.27	55.69	0.00	0.00	0.00	0.00	0.00		0.00
8	APPCPL NPCI/oth	-50.13	0.00	0.00	0.00	16.84	16.90	16.39	0.00	0.00	0.00	0.00	0.00		0.00
9	PTC JK	-1286.02	72.00	167.40	306.00	379.44	279.00	75.60	6.58	0.00	0.00	0.00	0.00		0.00
10	Direct HP	-17.01	0.00	0.00	14.40	29.76	30.81	0.00	0.00	0.00	0.00	0.00	0.00		0.00
11	Direct HP	0.00	0.00	-50.40				0.00	0.00	0.00	0.00	0.00	0.00		0.00
12	Direct MP	-740.96	0.00	0.00	112.91	192.23	160.21	209.19	0.00	0.00	0.00	0.00	0.00		-66.42
13	Direct MP (Return)	0.00	0.00	0.00	0.00	191.53	167.06	192.14	-55.20	-162.00	-167.40	-123.92	0.00		0.00
14	PTC JK (Return)	0.00	108.00	111.60	108.00	96.12	111.60	108.00	-56.99	-132.84	-137.27	-137.27	-123.98		176.37
15	APPCPL UPCL (Return)	0.00	0.00	0.00	72.00	219.60	223.20	108.00	-37.20	-126.00	-156.24	-156.24	-134.40		112.37
16	APPCPL Andhra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-54.00	-55.80	-55.80	-50.40		-216.00
17	APPCPL CSPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-54.00	-55.80	-55.80	-50.40		-216.00
18	APPCPL JK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-144.00	-148.80	-148.80	-134.40		-576.00
19	MPL Andhra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-72.00	-74.40	-74.40	-67.20		-288.00
20	MPL R/Infra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-112.80	-72.00	0.00	0.00	0.00		-184.80
21	MPL CSPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-108.00	-186.00	-111.60	-100.80		-506.40
22	MPPPL Andhra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-54.00	-55.80	-55.80	-50.38		-215.98
23	Direct MP (Adv)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.60	-155.30	-79.35	-149.20	0.00		-397.45
24	Direct HP (Adv)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	0.00		-1.20
	Total	-2891.17	-144.00	201.00	789.93	1431.97	1383.17	998.09	-269.21	-1134.14	-1116.86	-1070.03	-711.96		-2379.51

Detail of Washing Charges paid to NPL		Rs Crores
A	Washing Charges as per Hon'ble Supreme Court Order (Upto Aug-2017)	376.02
B	Adjustment of Excess payment made during months of Sep, Oct and Nov-17.	74.59
C=A-B	Net Amount upto Nov-2017.	301.43

Amexure - 6

Details of NRSE power (Non-Solar) FY 2017-18

S No.	Particular	Units	Amount
1	Rana Sugars Ltd	0	0
2	Rana Sugars Ltd	69200631	407591713
3	A.B.Sugars Ltd	60098940	353084249
4	Nawashahar Power	15888000	108038400
5	Chadha Sugars Ltd	43119270	246905250
6	Wahid Sandhar Sugars Mill	12608910	77084570
7	Indian Sucrose Ltd	13570920	80865000
8	Chandigarh Distillers & Bottlers 3.9	4008000	13987920
9	CDBL 8.25	11992102	68140234
10	Indian Acrylics Pvt Ltd	0	0
11	NV Distilleries	42946554	269169650
12	A.B.Grain & Spirits	4231710	25235502
13	Lakshmi Energy & food	88322400	527268481
14	A2Z Nakoder	0	2610048
15	A2Z Fazilka	0	0
16	Malwa Power Pvt.Ltd	45427100	284586516
17	Universal Biomass	93836000	598115469
18	Punjab Biomass	23162640	141499994
19	Dee.Dev,	52766670	314435266
20	Green Planet Bir Pind, Net import	27166275	192759172
21	Green Planet Binjon export	34781976	238419523
22	Viaton Energy Pvt. Ltd.	56311620	399560565
23	Sampuran Agri Ventures	1042036	8413916
24	International Mega Food Park	0	0
25	Hargobind Bio energy	772800	6093139
26	Punjab Hydro Ltd.	21795990	79729834
27	Kotla Hydro Ltd	23285060	85176462
28	Aqua Power Plant Ltd.	27256349	101773560
29	Abohar Power Generation	26404014	106754065
30	Gill Aqua Hydro	15073989	62672362
31	Gill Power Ltd Babheli	8337500	30501082
32	Atlantic Power (Terkiana)	4829219	19389731
33	Sam India	3915732	19108772
34	Sidhwan Hydro	3140205	16203454
35	Atlantic power (Phoola)	3091368	15085874
36	UBDC	4649400	23990903
37	P&R Gurdittiwala	454500	2331585
38	SKR Hydro Power	1587848	7748695
39	GENCO	31426660	129388050
Total (NON SOLAR NRSE)		876502387	5063719006

Sale Benefit including Fix cost /unit of generators

PSPCL is selling power in Indian Energy Exchange (IEX), through bilateral contracts and through tender. For sale of power PSPCL takes into account the variable cost of generation of sources of power at its disposal as same being the universal principle. Regarding payment of fixed charges of generating plants against sale of power, in this regard it is submitted that PSPCL has to be pay fixed charges irrespective of the fact that whether PSPCL avails power from plant or not. So availing/selling/procurement of power doesn't depend upon fixed charges. Hence it is not appropriate to link obligation of payment of fixed charges with sale of power. In fact, when PSPCL sells power above variable cost of generating stations, it recovers some portion of fixed cost apart from variable cost which is in financial interest of PSPCL.

However the tentative calculation of profit with only variable charges and by taking fixed charges also for the year 2017-18 is attached for reference.

Annexure -7 (2/2)

Plant	NPL		TSPL		GVK		GNDTP Bathinda		GGSSTP Ropar		GHRP Lehra		Avg of Plants		Sale		Benefit with only Variable cost		Benefit with fixed cost			
	Fixed Rate at Normative (Rs./Kwh)	Variable Rate (Rs./Kwh)	Fixed Rate at Normative (Rs./Kwh)	Variable Rate (Rs./Kwh)	Fixed Rate at Normative (Rs./Kwh)	Variable Rate (Rs./Kwh)	Fixed Rate at Normative (Rs./Kwh)	Variable Rate (Rs./Kwh)	Fixed Rate at Normative (Rs./Kwh)	Variable Rate (Rs./Kwh)	Fixed Rate at Normative (Rs./Kwh)	Variable Rate (Rs./Kwh)	Total Units (MUs)	Avg. Variable Cost (Rs./Kwh)	Avg. Fixed + Variable Cost (Rs./Kwh)	Units (MUs)	Rs./Kwh	Rs. Crore	Rs./Kwh	Rs. Crore	Rs./Kwh	Rs. Crore
Month	1.41	2.28	1.30	2.84	1.93	2.94	0.53	3.62	0.24	3.95	0.49	3.58	1272.79	2.99	3.98	21.77	2.47	5.37	-0.52	-1.14	-1.51	-3.29
Apr-17	1.41	2.26	1.30	2.84	1.93	2.94	0.53	3.62	0.24	3.95	0.49	3.56	1450.99	2.97	3.88	0.00	0.00	0.00	-2.97	0.00	-3.88	0.00
May-17	1.41	2.36	1.78	3.03	1.93	3.12	0.53	3.67	0.24	3.87	0.49	3.56	1382.48	2.91	4.07	4.07	3.51	1.43	0.60	0.25	-0.56	-0.23
Jun-17	1.41	2.45	1.18	3.02	1.93	3.18	0.87	3.74	0.44	3.87	0.80	3.64	-2438.49	2.98	4.17	1.52	3.33	0.51	0.35	0.05	-0.84	-0.13
Jul-17	1.41	2.23	1.18	2.73	1.93	3.11	0.87	3.67	0.44	3.90	0.80	3.63	2132.98	2.71	3.96	25.15	3.99	9.03	0.88	2.21	-0.37	-0.93
Aug-17	1.41	2.05	1.18	2.70	1.93	2.93	0.87	3.58	0.44	3.90	0.80	3.60	2278.79	2.79	4.05	168.27	4.19	70.44	1.40	23.51	0.20	3.44
Sep-17	1.41	2.27	1.18	2.74	1.93	2.69	0.94	3.58	0.49	3.78	0.91	3.56	2209.69	2.88	4.05	205.23	4.19	85.98	1.31	26.85	0.14	2.94
Oct-17	1.41	2.36	1.18	2.92	1.93	3.00	0.94	3.58	0.49	3.86	0.91	3.57	1640.02	2.72	4.04	252.16	3.37	85.10	0.65	16.41	-0.67	-16.97
Nov-17	1.41	2.40	1.18	2.97	1.93	3.16	0.94	3.58	0.49	3.83	0.91	3.57	1722.95	2.88	4.16	112.43	3.12	35.09	0.38	4.24	-0.98	-11.03
Dec-17	1.41	2.38	1.18	2.93	1.93	3.17	0.00	0.00	0.73	3.83	1.21	3.54	2182.21	2.88	4.16	115.93	3.40	39.42	0.52	5.99	-0.76	-8.78
Jan-18	1.41	2.54	1.18	2.93	1.93	3.28	0.00	0.00	0.73	3.80	1.21	3.54	1764.44	2.86	4.17	140.25	3.55	49.86	0.69	9.71	-0.62	-8.76
Feb-18	1.41	2.54	1.18	2.93	1.93	3.28	0.00	0.00	0.73	3.80	1.21	3.54	1764.44	2.86	4.17	140.25	3.55	49.86	0.69	9.71	-0.62	-8.76
Mar-18	1.39	2.99	1.18	3.02	1.93	3.24	0.00	0.00	0.73	3.80	1.21	3.54	2436.67	3.19	4.44	171.90	3.68	63.29	0.49	8.36	-0.76	-13.03
															Total	1218.6833	3.66	445.51		96.45		-56.76