



TO,

G. Manager (Commercial)NTPC, Noida (Fax No. : 95120-2410056)
G. Manager (BTPS), (Fax No. : 95120-2410056)
Managing Director (IPGCL)
Managing Director (PPCL)
Head, PMG, BYPL
Head, PMG, BRPL
MD, TPDDL, Kingsway Camp, N Delhi-09
Director (Commercial), NDMC
G.E.(U),Electric Supply
Pr. Chief Electrical Enginner/NR,Headquater Office, Baroda House, N. Delhi
SE (Commercial), NRPC

Sub.: **Provisional Intra-State ABT based Energy Account for the month of Dec 2021.**

Sir,

Please find herewith the Provisional Intra-State ABT based Energy Accounts for the month of Dec-2021.

The Energy accounts contain the following.

Annexure-1	Plant availability factor monthly of Generating stations(PAFM).
Annexure-2	Monthly weighted average entitlement of Distribution licensees
Annexure-3	Energy scheduled & Incentive Energy to beneficiaries from generating stations.
Annexure-4	Details of Open Cycle operation of G.T.Stations in Delhi (PPCL ,Bawana,Rithala & IPGCL)
Annexure-5	Details of Energy booked from TOWMCL plant ,East Delhi MSW & MSW Bawana.
Annexure-6	Details of Energy scheduled from Energy Exchanges.
Annexure-7	Details of Energy Requisition from ISGS below 85% of Entitelment

The Accounts are posted in SLDC website also.

This is for your information and further necessary action please.

Encl: As above

Manager(EA/SO)

Copy for kind information:

The Secretary, DERC
CEO, BSES Rajdhani Power Ltd,BSEB Bhavan, N Delhi-19
CEO, BSES Yamuna Power Ltd, Shakti Kiran Bldg, N. Delhi-92
GM(T),SLDC
DGM(T) TO DIR (OPERATION)
G.M.(O&M-I),DTL
G.M.(O&M-II),DTL
G.M.(C&RA),DTL
D.G.M.(SO)
D.G.M.(SCADA)

DELHI TRANSCO LIMITED Intra
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

A Details of Plant Availability factor for the month of Generating Station with in Delhi

Stations	Period	PAFM in %	PAFN in %
GT	Apr'21	56.64	56.64
	May'21	45.85	51.15
	June'21	23.22	41.94
	July'21	0.00	31.29
	Aug'21	0.00	24.95
	Sept'21	0.00	20.86
	Oct'21	59.63	29.82
	Nov'21	63.42	33.58
	Dec'21	93.45	39.79
PPCL	Apr'21	85.93	85.93
	May'21	97.43	91.78
	June'21	93.91	92.48
	July'21	91.68	92.28
	Aug'21	90.47	91.91
	Sept'21	70.23	88.36
	Oct'21	87.37	88.21
	Nov'21	100.60	89.74
	Dec'21	104.50	91.40

Stations	Period	Season	Peak Hour		Off-Peak Hour		PAFM in %	PAFN in %
			PAFM in %	PAFMpn in %	PAFM in %	PAFMopn in %		
Bawana	Apr'21 *	Low Demand	91.19	91.19	91.24	91.24	91.15	91.15
	May'21**	Low Demand	95.52	93.60	96.25	93.79	96.20	93.72
	June'21***	High Demand	97.08	97.08	96.32	96.32	96.45	96.45
	July'21***	High Demand	93.87	95.45	93.46	94.87	93.53	94.97
	Aug'21***	High Demand	96.36	95.76	95.53	95.09	95.67	95.20
	Sept'21****	Low Demand	96.36	94.51	95.69	94.41	95.80	94.40
	Oct'21****	Low Demand	94.41	94.48	92.91	94.03	93.16	94.09
	Nov'21*****	Low Demand	94.49	94.48	93.89	94.00	93.99	94.07
	Dec'21*****	Low Demand	97.64	95.02	96.48	94.42	96.67	94.51

* Peak Hrs are 18:30 to 21:30 & 22:00 to 23:00 hrs

**Peak Hrs are 19:00 to 23:00 hrs

***Peak Hrs are 19:30 to 23:30 hrs

****Peak Hrs are 18:30 to 22:30 hrs

*****Peak Hrs are 17:15 to 21:15 hrs

The PAFM & PAFN shall be calculated with the following formula as per CERC Regulation for FY 19-20 to FY 23-24 dated 07.04.2019.

$$\text{PAFM or PAFN} = 10000^{**} \frac{\text{Dci}}{\sum_{i=1}^N \{N \cdot \text{IC} \cdot (100 - \text{Aux})\}} \%$$

AUX = Normative Auxiliary Energy Consumption in %

Dci = Average Declared Capacity (in Ex-bus MW),

IC = Installed Capacity (in MW) of the Generating station

N = Number of days during the period i.e. month or the year as the case may be.

PAFM = Plant Availability factor Achieved during the month in %

PAFN = Plant Availability factor Achieved during upto the end of month in %

PAFMpn = Plant Availability Factor achieved during Peak Hours upto the end of nth Month in a Season

PAFMopn = Plant Availability Factor achieved during Off-Peak Hours upto the end of nth Month in a Season

The capacity charge payable to a thermal generating station for a calendar month for Generating Stn covered under CERC Regulation month shall be calculated in accordance with the following formulae:

$$\text{Cap.Charge for the Year (CCy)} = \text{Sum of Cap.Charge for 3 months of High Demand Season} + \text{Sum of Cap.Charge for 9 months of Low Demand Season}$$

$$\text{Cap.Charge for the Month (CCm)} = \text{Cap.Charge for Peak Hours of the Month (CCp)} + \text{Cap.Charge for Off-Peak Hours of the Month (CCop)}$$

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

B) Weighted Avg. Entitlement of Distribution Licensees based on DERC order on re-assignment of PPAs

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	IP	RPH
GT	Apr'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	May'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	June'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	July'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	Aug'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	Sept'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	Oct'21	41.652	22.812	29.753	4.959	0.000	0.000	0.824
	Nov'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
	Dec'21	41.533	22.744	29.667	4.945	0.000	0.000	1.111
PPCL	Apr'21	28.290	16.070	19.280	30.300	6.060		
	May'21	28.290	16.070	19.280	30.300	6.060		
	June'21	28.290	16.070	19.280	30.300	6.060		
	July'21	28.290	16.070	19.280	30.300	6.060		
	Aug'21	28.290	16.070	19.280	30.300	6.060		
	Sept'21	28.290	16.070	19.280	30.300	6.060		
	Oct'21	28.290	16.070	19.280	30.300	6.060		
	Nov'21	28.290	16.070	19.280	30.300	6.060		
	Dec'21	28.290	16.070	19.280	30.300	6.060		

Weighted Avg. entitlement of beneficiaries from Bawana CCGT as per DERC order

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	HYN	PUNJAB
Bawana	Apr'21	31.13	18.00	21.75	7.30	1.82	10	10
	May'21	31.13	18.00	21.75	7.30	1.82	10	10
	June'21	31.13	18.00	21.75	7.30	1.82	10	10
	July'21	31.13	18.00	21.75	7.30	1.82	10	10
	Aug'21	31.13	18.00	21.75	7.30	1.82	10	10
	Sept'21	31.13	18.00	21.75	7.30	1.82	10	10
	Oct'21	31.13	15.60	21.75	9.70	1.82	10	10
	Nov'21	31.13	15.60	21.75	9.70	1.82	10	10
	Dec'21	31.13	15.60	21.75	9.70	1.82	10	10

* Allocation revised as per DERC Tariff order for FY21-22

As per CEA & BTPS vide their letter dated 02.11.18 & 15.11.18 regarding decommissioning of all the units of BTPS w.e.f 15.10.18 of 24:00 Hrs, the Availability of BTPS consider only upto 15.10.18.

#Allocation from GT(for the Capacity @90 MW) w.e.f 1.04.2021 is as per DERC vide order dated 28.03.2021.

#Allocation from GT(for the Capacity @270 MW) w.e.f 10.10.21 to 21.10.2021 is as per DERC vide orders dated 09.10.21 & 21.10.21.

#Allocation from Bawana w.e.f 1.10.2021 to 31.03.2022 is as per DERC vide order dated 30.09.2021.

DELHI TRANSCO LIMITED
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Weighted Avg. entitlement of beneficiaries from MSW Bawana as per DERC order

Stations	Period	BRPL	BYPL	TPDDL	NDMC
MSW Bawana	Dec'21	41.810	23.900	29.200	5.090

Cum. Weighted Avg. entitlement of beneficiaries from PPCL& Bawana CCGT

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	HYN	PUNJAB
Bawana	Upto Dec'21	31.130	17.197	21.750	8.103	1.820	10	10
PPCL	Upto Dec'21	28.2900	16.0700	19.2800	30.3000	6.0600		

Cum. Weighted Avg. entitlement of beneficiaries from GT

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	IP	RPH
GT	Upto Dec'21	41.547	22.752	29.676	4.946	0.000	0.000	1.079

- * COD of GT#1 & GT #2 with associated WHR unit#1 of BAWANA are on 27.12.2011, 00:00 hrs, 16.07.2012 at 00:00 hrs & 01.04.2012,00:00 hrs respectively
 IC of BAWANA GTUnit #1 216 MW (as decided in the meeting held on 03.02.12 at Bawana CCGT)
 Associated WHRUnit#1 126.8MW
 Associated WHRUnit#2 126.8MW (CoD on 14.02.2012 at 0.00 Hrs)
 COD on Open Cycle of GT#3 of Module-2 of BAWANA on 28/10/13 at 0.00 Hrs
 COD on Open Cycle of GT#4 of Module-2 of BAWANA on 27/02/14 at 0.00 Hrs
 COD on combined Cycle of complete Module-2 of Bawana on 27.03.2014 at 00.00 Hrs(WHR unit of 253.06 MW declared in Commercial Operation w.e.f 27.03.2014).
- *** Operation of BTPS plant has been discontinued from 15th October 2018 as per GNTCTD order dated 12.11.18
- **** As per GNCTD order dated 26.08.2019 @ 1 MW allocated from GT to RPH for decommissioning & withdraw the 0.35 MW allocated power to IP from GT w.e.f 01.09.2019

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

C) Weighted Avg. entitlement of Distribution Licensees from ISGS

Stations	Total share in %	BRPL	BYPL	TPDDL	NDMC	BTPS
ANTA GPP	10.500	4.612	2.667	3.221		
AURIYAGPP	10.860	4.770	2.758	3.332		
BAIRASIUL	11.000	4.831	2.794	3.375		
CHAMERAHEP	7.900	3.470	2.007	2.423		
CHAMERA-II HEP	13.330	5.854	3.386	4.090		
CHAMERA-III HEP	12.734	5.593	3.234	3.907		
DADRI GPP	10.960	4.814	2.783	3.363		
DADRI TPS	90.000	66.580	7.348	1.191	14.881	
DADRI-II TPS	74.355	55.469	17.868	1.019		
DHAULIGANGA	13.210	5.802	3.355	4.053		
DULAHSTI HEP	12.830	5.635	3.259	3.936		
JHAJJAR	46.200	0.6653	4.6154	40.9193		
KOLDAM HEP	0.000	0.000	0.000	0.000		
KOTESHWAR	9.860	6.835	0.000	3.025		
NAPP	10.680	7.403	0.000	3.277		
NATHPA JHAKKI	9.470	4.1592	2.4054	2.9054		
RAPP C	12.690	5.574	3.223	3.893		
RIHAND STPS	10.000	6.932	0.000	3.068		
RIHAND-II STPS	12.600	5.534	3.200	3.866		
RIHAND-III STPS	13.191	7.817	5.374	0.000		
SEWA-II HEP	13.330	5.855	3.385	4.090		
SINGRAULI	7.500	1.482	3.717	2.301		
SALAL HEP	11.620	8.669	2.951	0.000		
TEHRI HEP	6.300	4.367	0.000	1.933		
TANAKPUR	12.810	5.626	3.254	3.930		
UNCHAHAR-I	3.315	1.456	0.842	1.017		
UNCHAHAR-II	11.190	4.9146	2.8423	3.4331		
UNCHAHAR-III	13.810	6.0654	3.5077	4.2369		
URI HEP-I	11.040	4.849	2.804	3.387		
PARBATI-III	12.730	5.591	3.233	3.906		
URI HEP-II	13.452	5.908	3.417	4.127		
FARAKKA	0.493	0.217	0.125	0.151		
KAHALGAON-I	2.790	1.225	0.709	0.856		
KAHALGOAN-II	10.490	4.607	2.665	3.218		
SASAN	11.250	1.6686	8.8911	0.6903		
SINGRAULI HY	19.130	0.0000	0.0000	19.130		

The allocation from Sasan, Singrauli, Dadri(Th)-I & Jhajjar was revised w.e.f. 01.08.2014 as per DERC order for FY14-15 & further allocation from sasan, BTPS & GT are revised w.e.f 08.10.2015 as per DERC Tariff order for FY 15-16. The swapping of power b/w TPDDL & BYPL from Sasan & BTPS as done by DERC vide Tariff order for FY 15-16 has been stayed by ATE & stay is implemented w.e.f 04.05.16 with the direction of DERC

*Allocation from GT, Dadri(th)-I&II, Sasan, Aravli Jhajjar, Rihand-I, NAPP & all NHPC Stns has been changed as per DERC order dated 27.03.18 w.e.f 01.04.2018

**Allocation from Singrauli Hydro to TPDDL as per NRPC Allocation order w.e.f. 08.03.2018

***Allocation from Farakka and khelgoan-I from un shutdown unit is reallocate to punjab and rajasthan from 8.12.2021 to 20.12.2021 and from 25 .12.2021 to 20.01.2022 as per Mop letter dated 06.12.2021 and 23.12.2021

***Allocation from Unchhar-I from un shutdown unit is reallocated to punjab from 8.12.2021 to 20.12.2021 as per Mop letter dated 06.12.2021.

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

D) Cum. Weighted Avg. entitlement of Distribution Licensees from ISGS

Stations	Total share in %	BRPL	BYPL	TPDDL	NDMC	BTPS
ANTA GPP	10.500	4.612	2.667	3.221		
AURIYAGPP	10.860	4.770	2.758	3.332		
BAIRASIUL	11.000	4.831	2.794	3.375		
CHAMERAHEP	7.900	3.470	2.007	2.423		
CHAMERA-II HEP	13.330	5.854	3.386	4.090		
CHAMERA-III HEP	12.734	5.593	3.234	3.907		
DADRI GPP	10.960	4.814	2.783	3.363		
DADRI TPS	90.000	66.580	7.348	1.191	14.881	
DADRI-II TPS	74.355	55.469	17.868	1.019		
DHAULIGANGA	13.210	5.802	3.355	4.053		
DULAHSTI HEP	12.830	5.635	3.259	3.936		
JHAJJAR	46.200	0.6653	4.6154	40.9193		
KOLDAM HEP	0.000	0.000	0.000	0.000		
KOTESHWAR	9.860	6.835	0.000	3.025		
NAPP	10.680	7.403	0.000	3.277		
NATHPA JHAKRI	9.470	4.1592	2.4054	2.9054		
RAPP C	12.690	5.574	3.223	3.893		
RIHAND STPS	10.000	6.932	0.000	3.068		
RIHAND-II STPS	12.600	5.534	3.200	3.866		
RIHAND-III STPS	13.191	7.817	5.374	0.000		
SEWA-II HEP	13.330	5.855	3.385	4.090		
SINGRAULI	7.500	1.482	3.717	2.301		
SALAL HEP	11.620	8.669	2.951	0.000		
TEHRI HEP	6.300	4.367	0.000	1.933		
TANAKPUR	12.810	5.626	3.254	3.930		
UNCHAHAR-I	5.440	2.389	1.382	1.669		
UNCHAHAR-II	11.190	4.9146	2.8423	3.4331		
UNCHAHAR-III	13.810	6.0654	3.5077	4.2369		
URI HEP-I	11.040	4.849	2.804	3.387		
PARBATI-III	12.730	5.591	3.233	3.906		
URI HEP-II	13.452	5.908	3.417	4.127		
FARAKKA	1.289	0.566	0.327	0.396		
KAHALGAON-I	5.700	2.503	1.448	1.749		
KAHALGAON-II	10.490	4.607	2.665	3.218		
SASAN	11.250	1.6686	7.8971	1.6843		
SINGRAULI HY	19.130	0.0000	0.0000	19.130		

* Allocation from Talcher to BTPS @2MW withdraw w.e.f 31.08.2020 from 17.00 Hrs

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

E) Details of Energy Scheduled to the Licensees (in Mus) from Generating Stations with in Delhi

Stations	Licensees	Scheduled Energy
GT(APM, PMT,RLNG)	BRPL	11.772066
	BYPL	5.574602
	TPDDL	9.851219
	NDMC	1.549471
	RPH	0.358325
	Total	29.105683
GT(S-RLNG)	BRPL	0.000000
	BYPL	0.000000
	TPDDL	0.000000
	NDMC	0.000000
	RPH	0.000000
	Total	0.000000
PPCL(APM, PMT,RLNG)	BRPL	33.229447
	BYPL	18.871073
	MES	7.125486
	NDMC	35.621595
	TPDDL	22.728149
	Total	117.575750

*As per the Govt. of NCT of Delhi Order dated 20.05.11 w.e.f 01.04.11 onwards, the Auxiliary Power to the tune of 1 MW to IP is allocated from RPH at Ex-Bus., Further as per GNCTD order dt 26.07.2016 w.e.f 01.09.2016 onwards, 0.35MW Auxillary Power reallocated to IP from GT in place of RPH.

* PPCL & GT stns are scheduled under System / Transmission constrains of Delhi as per MoM dated 14.09.18.

As per DERC Business Plan Regulation 2019 IPGCL & PPCL Generating Stations for MYT control Period FY 2020-21 & CERC Tariff Regulation for 2014-19 for Bawana, the salient feautres are as under.

Details of Tariff component		PPCL	GT	Bawana
Normative Annual Plant Availabilty Factor in %		85	85	85
SHR in Kcal/Kwh	Closed Cycle	2000	2450	1845
	Open Cycle	2900	3125	2756
Aux. Cons in %	Closed Cycle	2.75	2.75	2.75
	Open Cycle	1	1	1

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

F) Details of Energy Scheduled to the Licensees (in Mus) from Generating Stations with in Delhi

Stations	Licensees	Scheduled Energy	
PPCL (S-RLNG)	BRPL BYPL MES NDMC TPDDL		
	Total	0.000000	
Bawana(APM, PMT)	BRPL	67.615296	
	BYPL	35.550676	
	MES	9.810374	
	NDMC	17.822938	
	TPDDL	43.743298	
	HARYANA	22.725000	
	PUNJAB	9.993560	
Total	207.261143		
Bawana (RLNG)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB		
	Total	0.000000	
	Bawana (S-RLNG)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB	
		Total	0.000000

Note : Refer to Minutes of Meeting held on 06.07.2020 regarding Bawana.

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Dec'21

G) Details of Energy Scheduled to the Licensees (in Mus) from ISGS

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC	N. Railway
ANTA GF	0.000000	0.000000	0.000000	0.000000		
ANTA RF	0.000000	0.000000	0.000000	0.000000		
ANTA CRF	0.000000	0.000000	0.000000	0.000000		
AURIYA CRF	0.000000	0.000000	0.000000	0.000000		
AURIYA GF	0.000000	0.000000	0.000000	0.000000		
AURIYA LF	0.000000	0.000000	0.000000	0.000000		
AURIYA RF	0.000000	0.000000	0.000000	0.000000		
BAIRASIUL	1.476020	0.648268	0.374909	0.452843		
CHAMERAHEP	0.000000	0.000000	0.000000	0.000000		
CHAMERA-II HEP	4.132674	1.815070	1.049699	1.267904		
CHAMERA-III HEP	3.073112	1.349711	0.780570	0.942831		
DADRI CRF	0.000000	0.000000	0.000000	0.000000		
DADRI GF	0.000000	0.000000	0.000000	0.000000		
DADRI LF	0.000000	0.000000	0.000000	0.000000		
DADRI RF	0.000000	0.000000	0.000000	0.000000		
DADRI TPS	0.000000	0.000000	0.000000	0.000000	0.000000	
DADRI-II TPS	194.872809	147.817472	44.753770	2.301567	0.000000	
DHAULIGANGA	5.644098	2.478888	1.433601	1.731609		
DULAHSTI HEP	8.748309	3.842257	2.222070	2.683981		
JHAJJAR	298.645262	119.022852	20.796741	158.825668		
ANTA LF	0.000000	0.000000	0.000000	0.000000		
KOTESHWAR	8.8014591	6.1011714	0.0000000	2.7002877		
NAPP	31.942781	22.142736	0.000000	9.800045		
NAPTHA JHAKRI	23.048773	10.123021	5.854388	7.071364		
RAPP C	25.601207	11.244050	6.502706	7.854450		
RIHAND STPS	58.430022	38.673933	0.000000	19.756089		
RIHAND-II STPS	78.084898	32.246943	20.900247	24.937709		
RIHAND-III STPS	81.301153	46.423446	34.877706	0.000000		
SEWA-II HEP	0.000000	0.000000	0.000000	0.000000		
SINGRAULI	81.834944	14.663813	42.945841	24.225290		
SALAL HEP	7.512621	5.604415	1.908206	0.000000		
TEHRI HEP	16.2345661	11.2538012	0.0000000	4.9807649		
TANAKPUR	4.402012	1.933364	1.118111	1.350537		
UNCHAHAHAR-I	4.601785	2.046791	1.120346	1.434648		
UNCHAHAHAR-II	23.094621	11.492060	5.012697	6.589863		
UNCHAHAHAR-III	14.403596	7.070579	3.177171	4.155846		
URI HEP	7.971018	3.500871	2.024639	2.445508		
URI -II HEP	7.128799	3.130968	1.810715	2.187116		
TALA	4.153593	1.824258	1.055013	1.274322		
PARBATI-III	1.795907	0.788762	0.456160	0.550984		
FARAKA	3.769178	1.727598	0.943337	1.098244	0.000000	
KAHALGAON-I	7.897610	3.497842	2.272767	2.127002	0.000000	
KAHALGAON-II	87.768452	37.082448	24.389377	26.296627	0.000000	
SASAN	305.521349	45.307099	241.458897	18.755352	0.000000	
Nabinagar STPS(BRBCL)	3.563011					3.563011
SINGRAULI HY	0.128178			0.128178		

* All Hydro, Nuclear & Renewable stns scheduled by RLDC under must run stns vide MoM dated 14.09.18.

** Energy from Tala based on implemented schedule issued by NRLDC

*** Energy from BRBCL scheduled from 15.01.2020 to N Railway.

Note: The above Scheduled energy include the URS energy booked to Delhi Discoms.

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G) Details of Energy Scheduled to the Licensees (in Mus) from Long term Bilaterals/Medium Term

Stations	Total in MUs	BRPL	BYPL	TPDDL	NDMC	Railway
DVC(LT-3) at Ex-NRperiphery	180.519335	81.681822	46.540140	52.297373		
DVC(LT-3) at Ex-NR State	173.564790	78.535013	44.747171	50.282606		
DVC(MEJIA)(LT-4) at Ex-NR Per	51.874488	24.835021	12.738572	14.300896		
DVC(MEJIA)(LT-2012_07) at Ex-	49.877170	23.878800	12.248100	13.750270		
DVC(MEJIA7)(LT-8) at NR Per	62.154430		62.1544300			
DVC(MEJIA7)(LT-8) at NR State periphery2012	59.759752		59.7597520			
Haryana CLP Jhajjar(LT-5) at EX-NR per	56.839578			56.8395780		
Haryana CLP Jhajjar(LT-5) at EX-NR State	54.650615			54.6506150		
DVC(MPL-DVC)(LT-6) at Ex-NR per	170.514600			170.5146000		
DVC(MPL-DVC)(LT-2012_04) at Ex-	163.935215			163.9352150		
Himachal(LT-59) at Ex-NR	1.0765700			1.0765700		
Himachal(LT-59) at Ex-NR state periphery	1.0348180			1.0348180		
Tuticorin_GIREL (L_NR_2018_61)	9.6332150	9.6332150				
Nanti Hyd (L_NR_2019_11)	1.1590250			1.1590250		
Nanti Hyd (L_NR_2019_11) at NR State periphery	1.1144050			1.1144050		
SEISPPL-MP (L_NR_2019_19) at NR & state PP	20.6811800			20.6811800		
Tarenda Hyd, HP(L_NR2020_02)at NR PP	1.6083280			1.6083280		
Tarenda Hyd, HP(L_NR2020_02)at State PP	1.5464420			1.5464420		
Alfanar wind SECI-3(L_NR2020_05,06 & 07) at NR & state PP	38.1346000	22.8828100	7.6275450	7.6242450		
ERCPL(L_NR_2021_12 & 13)	51.1482400	42.6237880	8.5244520			
Azure Power(L_NR_2021_14&15)	15.0532960	5.6411980	9.4120980			
SBSRPC11PL_BKN (2021_16&17)	9.8113200		3.2710920	6.5402280		
SECI at NR & state	7.6226200	2.573185	2.573185	2.47625		

* Power is scheduled to Northern Railway (as deemed licensee of Delhi) from JITPL under MTOA w.e.f. 31.03.2018

* Power is scheduled to BRPL, BYPL & TPDDL from Alfanar wind Seci w.e.f. 29.07.2020

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J) Details of Cum. Incentive Energy Scheduled to the Licensees (in Mus) from ISGS

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-III STPS	59.7937609	35.1099229	24.6838380	0.0000000	

J1) INCENTIVE ENERGY FOR PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (Low Demnd season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	5.7193573	3.9239279	0.0000000	1.7954294	
RIHAND-II STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-III STPS	9.6293587	5.6582813	3.9710774	0.0000000	
SINGRAULI	0.0000000	0.0000000	0.0000000	0.0000000	
UNCHAHAAR-I	0.0000000	0.0000000	0.0000000	0.0000000	
UNCHAHAAR-II	0.0000000	0.0000000	0.0000000	0.0000000	
	0.0000000	0.0000000	0.0000000	0.0000000	

J2) INCENTIVE ENERGY FOR OFF PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (Low Demad season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	8.9340897	6.0167549	0.0000000	2.9173348	
RIHAND-II STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-III STPS	31.3849190	18.5254991	12.8594199	0.0000000	
SINGRAULI	0.0000000	0.0000000	0.0000000	0.0000000	

As per CERC Regulation PLF for Incentive energy is calculated as under

$$PLF = 10000 \times \sum_{i=1}^{N} \frac{SG_i}{\{N \times IC \times (100 - AUX_n)\}} \%$$

Where,

IC = Installed Capacity of the generating station or unit in MW,

SG_i = Scheduled Generation in MW for the ith time block of the period,

N = Number of time blocks during the period, and

AUX_n = Normative Auxiliary Energy Consumption as a percentage of gross energy generation

Incentive to a generating station or unit thereof shall be payable at a flat rate of 50 paise/kWh for ex-bus scheduled energy corresponding to scheduled generation in excess of ex-bus energy corresponding to Normative Annual Plant Load Factor (NAPLF)

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J3) INCENTIVE ENERGY FOR PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (High Demnd season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS		0.0000000	0.0000000	0.0000000	
RIHAND-III STP	4.2896651	2.5200828	1.7695823	0.0000000	

J4) INCENTIVE ENERGY FOR OFF PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (High Demad season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS		0.0000000	0.0000000	0.0000000	
RIHAND-II STPS		0.0000000	0.0000000	0.0000000	
RIHAND-III STP	14.3848916	8.3542865	6.0306051	0.0000000	

As per CERC Regulation PLF for Incentive energy is calculated as under

$$PLF = 10000 \times \frac{SG_i}{\sum_{i=1}^N IC \times (100 - AUX_n)} \%$$

Where,

IC = Installed Capacity of the generating station or unit in MW,

SG_i = Scheduled Generation in MW for the ith time block of the period,

N = Number of time blocks during the period, and

AUX_n = Normative Auxiliary Energy Consumption as a percentage of gross energy generation

Incentive to a generating station or unit thereof shall be payable at a flat rate of 50 paise/kWh for ex-bus Scheduled energy corresponding to scheduled generation in excess of ex-bus energy corresponding to Normative Annual Plant Load Factor (NAPLF)

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K) Details of Open Cycle operation of G.T.Stations in Delhi

Stations	Unit No.	Date	From(Hrs)	Date	Upto(Hrs)
GT	1	17.12.2021	13:10	17.12.2021	15:45
	5	4.12.2021	14:05	4.12.2021	16:08
	6	4.12.2021	9:11	4.12.2021	14:20
		4.12.2021	17:20	4.12.2021	23:15
		7.12.2021	8:57	7.12.2021	15:45
		13.12.2021	8:38	13.12.2021	12:22
		15.12.2021	0:08	15.12.2021	12:22
		15.12.2021	17:40	15.12.2021	18:45
PPCL	1	26.12.2021	07:22	26.12.2021	10:20
		26.12.2021	22:19	27.12.2021	1:52
Bawana	3	18.12.2021	12:15	18.12.2021	15:00
		26.12.2021	22:30	26.12.2021	0:00

Annexure-5

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L) Details of Energy Injected by TOWMCL as per SEM

Month	Total Injection by TOWMCL* in Mus(as per SEM)
Dec'21	12.578303

*TOWMCL declared Commercial Operation of the plant w.e.f 01.09.2012

M) Details of Energy Injected by East Delhi Municipal Waste Plant

Month	Total Injection by EDMWP* in Mus(as per SEM)
Dec'21	-0.030398

*EDWPCL declared CoD of the plant @10 MW w.e.f 28.04.2017 at 00.00 Hrs as per 18th GCC MoM dated 02.01.2018 & scheduled as per 20th GCC meeting held on 28.11.2018.

N) Details of Energy Injected & Scheduled by MSW Bawana

all figures are in Mus

Period	Total	BRPL (41.81%)	BYPL (23.9%)	TPDDL (29.2%)	NDMC (5.09%)
Dec'21	10.921552	4.566301	2.610251	3.189093	0.555907

*MSW Bawana declared CoD of one unit no # 01 @12 MW w.e.f 10.01.2017 at 00.00 Hrs & unit #2 @ 12 MW w.e.f 28.02.17 at 0.00 Hrs

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O) Details of Collective Transactions (in Mus) from Energy Exchange

Energy Exchange	Licensees	Purchase		Sale		Purchase
		Day Ahead	RTM	Day Ahead	RTM	GDAM
IEX	BRPL	52.4412750	15.467338	-5.404750	-9.57982	26.894263
	BYPL	0.4310500	3.159325	-49.183803	-13.56325	4.17999
	TPDDL	8.2054300	6.682050	-43.475740	-11.3835	0
	NDMC	7.4788525	3.065110	-5.167998	-2.85807	0
	MES	0.0000000	1.404253	0.000000	-0.073035	0
	N. Railway	8.5726275	0.062475	0.000000	0	0
	Total		77.1292350	29.840550	-103.2322900	-37.4576750
PXI	BRPL	0.0000000		0.0000000		
	BYPL	0.0000000		0.0000000		
	TPDDL	0.0000000		0.0000000		
	NDMC	0.0000000		0.0000000		
	MES	0.0000000		0.0000000		
	Total		0.0000000		0.0000000	

All figures are at Delhi Periphery after excluding the ISOA customer purchase/sale through Exchange.

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P) Details of Energy Requisition from ISGS below 85 % of Entitelment

Station Name	Cumulative upto this month in Mus							Total
	Delhi	BRPL	BYPL	TPDDL	NDMC	BTPS	N.Railway	
ANTA	204.6493610	90.3953261	52.1841673	62.0698676	0.0000000			204.6493610
AURAIYA	329.9721646	151.6555739	83.5608484	94.7557424	0.0000000			329.9721646
DADRI	409.1243183	188.9532336	104.9622039	115.2088808	0.0000000			409.1243183
DADRI	3380.1768429	2500.5797160	275.9726589	44.7310063	558.8934618			3380.1768429
DADRI-II	1765.5528175	1311.2369378	428.9804444	25.3354354	0.0000000			1765.5528175
IGSTPS- JHAJJAR	1544.6915490	15.1135570	157.1047976	1372.4731944	0.0000000			1544.6915490
RIHAND	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000			0.0000000
RIHAND-II	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000			0.0000000
RIHAND-III	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000			0.0000000
SINGRAULI	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000			0.0000000
UNCHAHAR-I	22.8819075	9.2351554	6.4018468	7.2449053	0.0000000			22.8819075
UNCHAHAR-II	37.5411336	11.5487249	12.5722496	13.4201591	0.0000000			37.5411336
UNCHAHAR-III	20.6110144	6.2337841	6.9562432	7.4209870	0.0000000			20.6110144
FARAKKA	14.0710470	4.3724464	4.3181577	5.3804428	0.0000000			14.0710470
KAHALGAON1	7.5830990	6.2737262	1.2184782	0.0908946	0.0000000			7.5830990
KAHALGAON-I	0.3162300	0.3162300	0.0000000	0.0000000	0.0000000			0.3162300
NABINAGAR	0.0000000						0.0000000	0.0000000