

Office of

Manager (System Operation)

33kV Grid Sub-Station Building

Minto Road, New Delhi-110002

Ph. No. 23211207

Fax No. 23221012, 23221059



**DELHI TRANSCO LIMITED**

**STATE LOAD DESPATCH CENTER**

REGD. OFFICE : SHAKTI SADAN BUILDING, KOTLA

ROAD, NEW DELHI-110002

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No. F.DTL/207/2020-21/Mgr(SO)/EAC/984

Dated: 05.01.2021

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 December-2020.**

Sir,

Please find herewith the Provisional Intra-State ABT based Energy Accounts for the month of Dec-2020.

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)

Intra

**DELHI TRANSCO LIMITED**  
**State Load Despatch Centre**

**Provisional Energy Accounts for the month of Dec'20**

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

Stations	Period	PAFM in %	PAFN in %
GT	Apr'20	86.63	86.63
	May'20	85.32	85.97
	Jun'20	84.49	85.48
	July'20	84.78	85.30
	Aug'20	86.88	85.62
	Sept'20	87.40	85.91
	Oct'20	88.51	86.29
	Nov'20	88.50	86.56
	Dec'20	89.34	86.87
PPCL	Apr'20	97.54	97.54
	May'20	89.73	93.54
	Jun'20	93.25	93.46
	July'20	93.86	93.56
	Aug'20	95.86	93.56
	Sept'20	93.50	93.93
	Oct'20	68.05	90.18
	Nov'20	68.63	87.53
	Dec'20	105.03	89.50

Stations	Period	Season	Peak Hour		Off-Peak Hour		PAFM in %	PAFN in %
			PAFM in %	PAFMpn in %	PAFM in %	PAFMopn in %		
Bawana	Apr'20	Low Demand	103.99	103.99	100.10	100.10	100.75	100.75
	May'20	Low demand	96.00	99.93	96.12	98.07	96.1	98.38
	June'20*	High Demand	92.45	92.45	91.78	91.78	91.89	91.89
	July'20*	High Demand	82.82	87.56	83.65	87.65	83.15	87.45
	Aug'20**	High Demand	80.19	85.08	80.77	85.33	80.17	85.00
	Sept'20**	Low Demand	63.57	87.94	63.17	86.57	62.78	81.36
	Oct***	Low demand	81.14	86.22	81.97	85.40	81.79	85.41
	Nov****	Low demand	97.30	88.40	99.00	88.08	98.71	88.04
Dec*****	Low demand	99.27	90.24	99.08	89.95	99.07	89.91	

# 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.

\* Peak Hrs are 19:30 hrs to 23:30 hrs, \*\*Peak Hrs are 19.00hrs to 23.00 Hrs, \*\*\*Peak Hrs are 18.30hrs to 22.30hrs

\*\*\*\*Peak Hrs are 17.30hrs to 21.30hrs, \*\*\*\*\*Peak Hrs are 06.00Hrs to 08.00 Hrs and 17.00hrs to 19.00hrs.

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.

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

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:

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

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

Intra  
**DELHI TRANSCO LIMITED**  
 State Load Despatch Centre  
 Provisional Energy Accounts for the month of Dec'20

**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'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	May'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Jun'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	July'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Aug'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Sept'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Oct'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Nov'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Dec'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
PPCL	Apr'20	28.290	16.070	19.280	30.300	6.060		
	May'20	28.290	16.070	19.280	30.300	6.060		
	Jun'20	28.290	16.070	19.280	30.300	6.060		
	July'20	28.290	16.070	19.280	30.300	6.060		
	Aug'20	28.290	16.070	19.280	30.300	6.060		
	Sept'20	28.290	16.070	19.280	30.300	6.060		
	Oct'20	28.290	16.070	19.280	30.300	6.060		
	Nov'20	28.290	16.070	19.280	30.300	6.060		
	Dec'20	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'20	31.13	18.00	21.75	7.30	1.82	10	10
	May'20	31.13	18.00	21.75	7.30	1.82	10	10
	Jun'20	31.13	18.00	21.75	7.30	1.82	10	10
	July'20	31.13	18.00	21.75	7.30	1.82	10	10
	Aug'20	31.13	18.00	21.75	7.30	1.82	10	10
	Sept'20*	<b>35.13</b>	<b>6.00</b>	<b>21.75</b>	<b>15.30</b>	<b>1.82</b>	<b>10</b>	<b>10</b>
	Oct'20*	<b>35.13</b>	<b>6.00</b>	<b>21.75</b>	<b>15.30</b>	<b>1.82</b>	<b>10</b>	<b>10</b>
	Nov'20*	<b>35.13</b>	<b>6.00</b>	<b>21.75</b>	<b>15.30</b>	<b>1.82</b>	<b>10</b>	<b>10</b>
	Dec'20	<b>35.13</b>	<b>6.00</b>	<b>21.75</b>	<b>15.30</b>	<b>1.82</b>	10	10

\* Allocation revised as per DERC Tariff order for FY20-21

**DELHI TRANSCO LIMITED**  
**State Load Despatch Centre**  
**Provisional Energy Accounts for the month of Dec'20**

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

Stations	Period	BRPL	BYPL	TPDDL	NDMC
MSW Bawana	Dec'20	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
<b>Bawana</b>	<b>Upto Dec'20</b>	<b>32.905</b>	<b>12.677</b>	<b>21.750</b>	<b>10.848</b>	<b>1.820</b>	<b>10</b>	<b>10</b>
PPCL	Upto Dec'20	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'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37

- \* 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).
- \*\* COD of GT#1 & GT #2 with associated WHR unit comprising of total capacity 94.8 MW(31.6\*3) of Rithal on combined cycle mode on 04.09.11
- \*\*\* 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

Intra  
**DELHI TRANSCO LIMITED**  
**State Load Despatch Centre**  
**Provisional Energy Accounts for the month of Dec'20**

**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	<b>74.182</b>	<b>55.340</b>	<b>17.826</b>	<b>1.016</b>		
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	5.710	2.508	1.450	1.752		
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	1.390	0.610	0.353	0.427		
KAHALGAON-I	6.070	2.666	1.542	1.862		
KAHALGOAN-II	10.490	4.607	2.665	3.218		
SASAN	<b>11.250</b>	<b>1.6686</b>	<b>8.8911</b>	<b>0.6903</b>		
Talcher		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.000000</b>
SINGRAULI HYDR	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

Intra  
**DELHI TRANSCO LIMITED**  
**State Load Despatch Centre**  
**Provisional Energy Accounts for the month of Dec'20**

**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	<b>74.232</b>	<b>55.377</b>	<b>17.838</b>	<b>1.017</b>		
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	5.710	2.508	1.450	1.752		
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	1.390	0.610	0.353	0.427		
KAHALGAON-I	6.070	2.666	1.542	1.862		
KAHALGOAN-II	10.490	4.607	2.665	3.218		
<b>SASAN</b>	<b>11.250</b>	<b>1.6686</b>	<b>7.8971</b>	<b>1.6843</b>		
Talcher	<b>0.1269</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.1269</b>
SINGRAULI HYDR	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'20**

**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	23.447567
	BYPL	2.475963
	TPDDL	8.728020
	RPH	0.381300
	MES	0.000000
	Total	35.032850
GT(S-RLNG)	BRPL	0.000000
	BYPL	0.000000
	TPDDL	0.000000
	RPH	0.000000
	MES	0.000000
	Total	0.000000
PPCL(APM, PMT,RLNG)	BRPL	35.298770
	BYPL	18.823907
	MES	7.035446
	NDMC	35.384181
	TPDDL	23.261196
	Total	119.803500

\*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 feutes are as under.

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

**DELHI TRANSCO LIMITED**  
**State Load Despatch Centre**  
**Provisional Energy Accounts for the month of Dec'20**

**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 BYPL MES NDMC TPDDL HARYANA PUNJAB	81.831958 13.951105 4.336543 32.529197 52.029475 22.861170 23.305610
	Total	230.845059
Bawana (RLNG)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB	40.956690 7.590830 3.125244 11.767079 21.415047 5.416525 5.416525
	Total	95.687940
Bawana (S-RLNG)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB	1.537958 0.257765 0.078140 0.657310 1.009598 0.429615 0.429615
	Total	4.400000

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



Intra  
**DELHI TRANSCO LIMITED**  
**State Load Despatch Centre**  
**Provisional Energy Accounts for the month of Dec'20**

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

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC	BTPS	N. Railway
ANTA GF	0.0011810	0.0005187	0.0003000	0.0003623			
ANTA RF	0.0000000	0.0000000	0.0000000	0.0000000			
ANTA CRF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA CRF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA GF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA LF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA RF	0.0000000	0.0000000	0.0000000	0.0000000			
BAIRASIUL	1.5140950	0.6649905	0.3845801	0.4645243			
CHAMERAHEP	4.0714594	1.7881850	1.0341507	1.2491237			
CHAMERA-II HEP	4.8182025	2.1161545	1.2238234	1.4782245			
CHAMERA-III HEP	2.0578214	0.9037952	0.5226866	0.6313396			
DADRI CRF	4.3198740	3.4798063	0.8075905	0.0324772			
DADRI GF	9.3553249	4.5310470	1.4102432	3.4140347			
DADRI LF	0.0000000	0.0000000	0.0000000	0.0000000			
DADRI RF	0.0000000	0.0000000	0.0000000	0.0000000			
DADRI TPS	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		
DADRI-II TPS	118.2659763	92.3982019	24.5521912	1.3155832	0.0000000		
DHAULIGANGA	3.8849595	1.7062742	0.9867797	1.1919056			
DULAHSTI HEP	11.9461942	5.2467685	3.0343333	3.6650924			
JHAJJAR	80.4556925	0.0265701	0.1531203	80.2760021			
<b>ANTA LF</b>	<b>0.0000000</b>	<b>0.0000000</b>	<b>0.0000000</b>	<b>0.0000000</b>			
KOTESHWAR	10.6042107	7.3508389	0.0000000	3.2533718			
NAPP	27.9977600	19.4080472	0.0000000	8.5897128			
NAPTHA JHAKRI*	21.2049865	9.3132301	5.3860666	6.5056899			
RAPP C	39.2262609	17.2281738	9.9634703	12.0346168			
RIHAND STPS	37.0473087	25.1126142	0.0000000	11.9346945			
RIHAND-II STPS	80.4923350	34.0532138	22.0626394	24.3764818			
RIHAND-III STPS	83.6743598	48.4440446	35.2303152	0.0000000			
SEWA-II HEP	0.0000000	0.0000000	0.0000000	0.0000000			
SINGRAULI	87.3449357	15.5031358	47.8923156	23.9494843			
SALAL HEP	10.1381595	7.5630670	2.5750925	0.0000000			
TEHRI HEP	19.5202306	13.5314239	0.0000000	5.9888067			
TANAKPUR	2.6361381	1.1577919	0.6695791	0.8087672			
UNCHAHAR-I	10.0474428	5.1596914	2.0355826	2.8521688			
UNCHAHAR-II	21.9580497	10.7242883	4.8234744	6.4102869			
UNCHAHAR-III	14.1349305	6.9253266	3.0778632	4.1317407			
URI HEP	15.1933860	6.6729351	3.8591200	4.6613308			
URI -II HEP	10.7183099	4.7074817	2.7224507	3.2883775			
TALA**	3.9298613	1.725995	0.998185	1.205681			
PARBATI-III	1.7357212	0.7623288	0.4408732	0.5325193			
FARAKA	9.0575900	4.3364163	2.4030720	2.3181017			
KAHALGAON-I	12.9799650	5.5364096	3.6917105	3.7518449			
KAHALGAON-II	57.2875240	24.8445003	16.0755522	16.3674715			
SASAN	265.4399540	39.3653090	209.8983849	16.1762601			
Talcher							
<b>Nabinagar STPS(BRBCL)</b>	<b>2.3336130</b>						<b>2.3336130</b>
SINGRAULI HYDR	0.0000000			0.0000000			

\* 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 Talcher scheduled from 24.08.19 to BTPS for their Aux. Power consumption.

\*\*\* 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	Northern Railway (Delhi)
DVC(LT-3) at Ex-NR periphery	138.479260	60.625910	34.791798	43.061553		
DVC(LT-3) at Ex-NR State Per2012_02	133.171503	58.302185	33.458267	41.411051		
DVC(MEJIA)(LT-4) at Ex-NR Per	50.508262	25.486775	12.324135	12.697352		
DVC(MEJIA)(LT-4) at Ex-NR State Periphery2012_07	48.56681	24.50710687	11.8504159	12.20928722		
DVC(MEJIA7)(LT-8) at NR Per	68.487338		68.4873380			
DVC(MEJIA7)(LT-8) at NR State periphery2012_01	65.855580		65.8555800			
Haryana CLP Jhajjar(LT-5) at Ex-NR per	50.743085			50.7430850		
Haryana CLP Jhajjar(LT-5) at Ex-NR State periphery	48.796542			48.7965420		
DVC(MPL-DVC)(LT-6) at Ex-NR per	169.333835			169.3338350		
DVC(MPL-DVC)(LT-6) at Ex-NR State per2012_04	162.832788			162.8327880		
JITPL MT20 at Ex-NR periphery M2018_01	5.5180980					5.5180980
JITPL MT20 at Ex-NR State periphery	5.3060920					5.3060920
Himachal(LT-59) at Ex-NR periphery	0.8503500			0.8503500		
Himachal(LT-59) at Ex-NR state peri	0.8171720			0.8171720		
Tuticorin_GIREL (L_NR_2018_61) at Ex-NR & state periphery	10.5599720	10.5599720				
Nanti Hyd (L_NR_2019_11) at NR periphery	0.9066000			0.9066000		
Nanti Hyd (L_NR_2019_11) at NR State peri	0.8717200			0.8717200		
SEISPPL-MP (L_NR_2019_19) at NR & state PP	20.4336020			20.4336020		
Tarenda Hyd, HP(L_NR2020_02)at NR PP	1.4317920			1.4317920		
Tarenda Hyd, HP(L_NR2020_02)at State PP	1.3767480			1.3767480		
<b>Alfanar wind SECI-3(L_NR2020_05,06 &amp; 07) at NR &amp; state PP</b>	<b>36.8825430</b>	<b>22.1213350</b>	<b>7.3776680</b>	<b>7.3835400</b>		
SECI at NR & state	9.2992840	3.150082	3.074402	3.0748		

\* 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	38.1369353	16.3905105	9.8535260	11.8928987	
RIHAND-III STPS	63.0973135	37.3123098	25.7850037	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	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	9.2969597	4.0008194	2.3755262	2.9206141	
RIHAND-III STPS	10.1243718	6.0029829	4.1213889	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	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	37.3469329	15.9708806	9.8105644	11.5654879	
RIHAND-III STPS	50.8302115	29.9172090	20.9130025	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<sub>i</sub> = Scheduled Generation in MW for the i<sup>th</sup> time block of the period,

N = Number of time blocks during the period, and

AUX<sub>n</sub> = 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	0.6116880	0.4196746	0.0000000	0.1920134	
RIHAND-II STPS	3.4646887	1.5200817	0.8679182	1.0766888	
RIHAND-III STPS	4.5541876	2.7201454	1.8340422	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	0.0000000	
RIHAND-II STPS	0.8857939	0.3827765	0.2233818	0.2796357	
RIHAND-III STPS	11.3798882	6.7727106	4.6071776	0.0000000	

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

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

Where,

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

SG<sub>i</sub> = Scheduled Generation in MW for the i<sup>th</sup> time block of the period,

N = Number of time blocks during the period, and

AUX<sub>n</sub> = 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)
<b>GT</b>	1	05.12.2020	11:22	05.12.2020	12:10
		18.12.2020	1:18	18.12.2020	1:55
		21.12.2020	14:50	21.12.2020	15:00
	2	05.12.2020	12:15	05.12.2020	12:32
		09.12.2020	15:54	09.12.2020	16:54
<b>PPCL</b>	1	07.12.2020	06:38	07.12.2020	7:44
		24.12.2020	06:34	24.12.2020	7:26
	2	12.12.2020	21:51	12.12.2020	23:08
		13.12.2020	13:30	13.12.2020	15:52
		17.12.2020	12:20	17.12.2020	13:55
<b>Bawana</b>	1	12.12.2020	5:08	12.12.2020	12:00
	3	12.07.2020	12:15	12.07.2020	20:00
	4	16.12.2020	15:31	16.12.2020	22:00

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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'20	11.855130

\*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'20	1.678299

\*EDWPCCL 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'20	9.603605	4.015267	2.295262	2.804253	0.488823

\*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	
		Day Ahead	RTM	Day Ahead	RTM
IEX	BRPL	190.5739425	15.8733031	-13.3570000	-12.6751
	BYPL	5.0286200	1.6684903	-31.8693750	-28.171
	TPDDL	39.0932150	6.2895561	-32.0411100	-6.25275
	NDMC	4.5297700	4.4379634	-5.4870000	-2.6689075
	MES	4.6036575	0.6443920	-0.4625000	-0.0355
	N. Railway	0.0158000	0.0000000	0.0000000	0
	<b>Total</b>	<b>243.8450050</b>	<b>28.9137050</b>	<b>-83.2169850</b>	<b>-49.8032575</b>
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	
	<b>Total</b>	<b>0.0000000</b>		<b>0.0000000</b>	

All figures are at Delhi Periphery after excluding the ISOA consumer purchase through Exchange.

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**P) Details of Energy Requisition from ISGS below 85 % of Entitlement**

Station Name	Cumulative upto this month in Mus							Total
	Delhi	BRPL	BYPL	TPDDL	NDMC	BTPS	N.Railway	
ANTA	204.355978	92.278537	53.960401	58.117040				204.355978
AURAIYA	333.017851	148.817473	87.403942	96.796435				333.017851
DADRI	324.240410	138.329376	94.491946	91.419088				324.240410
DADRI	3645.006597	2673.069909	314.636919	46.284350	611.015418			3645.006597
DADRI-II	2217.009922	1523.052466	664.604646	29.352809				2217.009922
IGSTPS- JHAJJAR	3414.217485	50.278667	348.552680	3015.386138				3414.217485
RIHAND	0.000000							
RIHAND-II	0.000000							
RIHAND-III	0.000000							
SINGRAULI	0.000000							
UNCHAHAAR-I	42.312435	13.803813	14.297295	14.211327				42.312435
UNCHAHAAR-II	72.638271	24.145711	22.566957	25.925603				72.638271
UNCHAHAAR-III	24.720812	6.063816	9.942537	8.714458				24.720812
FARAKKA	22.522300	5.470288	7.095590	9.956422				22.522300
KAHALGAON1	16.252364	10.049967	3.510702	2.691695				16.252364
KAHALGAON-II	15.651825	9.831005	5.126607	0.694213				15.651825
NABINAGAR	1.726018						1.726018	1.726018
TALCHER	1.555388					1.555388		1.555388