

<p>Office of Manager (System Operation) 33kV Grid Sub-Station Building Minto Road, New Delhi-110002 Ph. No. 23211207 Fax No. 23221012, 23221059</p>		<p>DELHI TRANSCO LIMITED STATE LOAD DESPATCH CENTER REGD. OFFICE : SHAKTI SADAN BUILDING, KOTLA ROAD, NEW DELHI-110002 www.dtl.gov.in www.delhisldc.org</p>
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No. F.DTL/207/2019-20/Mgr(SO)/EAC/231

Dated: 04.12.2019

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 Engineer/NR,Headquater Office, Baroda House, N. Delhi
SE (Commercial), NRPC

Sub.: Provisional Intra-State ABT based Energy Account for the month of November-19.

Sir,

Please find herewith the Provisional Intra-State ABT based Energy Accounts for the month of November-2019.

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.

The Account has been prepared as per CERC Tariff Regulation for the period 01.04.2017 to 31.03.2020
of DERC vide order dated 31.08.2017 issued for IPGCL / PPCL .

The Accounts are posted in SLDC website also.

This is for your information and further necessary action please.

Encl: As above



Manager(EAC/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)

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Annexure-1

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

Stations	Period	PAFM in %	PAFN in %
RPH#	Apr'19	0.00	0.00
	May'19	0.00	0.00
	June'19	0.00	0.00
	July'19	0.00	0.00
	Aug'19	0.00	0.00
GT	Apr'19	84.07	84.07
	May'19	83.28	83.67
	June'19	87.6	84.96
	July'19	82.3	84.29
	Aug'19	86.77	84.79
	Sept'19	87.77	85.28
	Oct'19	81.52	84.73
PPCL	Nov'19	87.13	85.03
	Apr'19	92.68	92.68
	May'19	95.45	94.09
	June'19	93.53	93.90
	July'19	92.57	93.56
	Aug'19	95.38	93.93
	Sept'19	95.26	94.15
Bawana	Oct'19	91.22	93.72
	Nov'19	99.16	94.39
	Apr'19	73.50	73.50
	May'19	84.53	79.10
	June'19	89.26	82.45
	July'19	92.11	84.91
	Aug'19	91.52	86.25
	Sept'19	86.32	86.26
	Oct'19	77.38	84.97
	Nov'19	92.07	85.85

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.

The PAFM & PAFN shall be calculated with the following formula as per CERC Regulation for FY 17-18 to FY 19-20 dated 31.08.2017.

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

- 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 %

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:

$$\text{CC1} = (\text{AFC}/12) * (\text{PAF1} / \text{NAPAF}) \text{ subject to ceiling of } (\text{AFC}/12)$$

$$\text{CC2} = \text{-----}$$

$$\text{CC3} = \text{-----}$$

$$\text{CC12} = ((\text{AFC}) * (\text{PAFY} / \text{NAPAF}) \text{ subject to ceiling of } (\text{AFC})) - (\text{CC1} + \text{CC2} + \text{CC3} + \text{CC4} + \text{CC5} + \text{CC6} + \text{CC7} + \text{CC8} + \text{CC9} + \text{CC10} + \text{CC11})$$

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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
RPH	Apr'19	43.920	25.400	30.680	0.000	0.000		
	May'19	43.920	25.400	30.680	0.000	0.000		
	June'19	43.920	25.400	30.680	0.000	0.000		
	July'19	43.920	25.400	30.680	0.000	0.000		
	Aug'19	43.920	25.400	30.680	0.000	0.000		
GT	Apr'19	61.030	8.589	30.251	0.000	0.000	0.130	
	May'19	61.030	8.589	30.251	0.000	0.000	0.130	
	June'19	61.030	8.589	30.251	0.000	0.000	0.130	
	July'19	61.030	8.589	30.251	0.000	0.000	0.130	
	Aug'19	61.030	8.589	30.251	0.000	0.000	0.130	
	Sept'19	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Oct'19	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Nov'19	60.885	8.567	30.178	0.000	0.000	0.000	0.37
PPCL	Apr'19	28.290	16.070	19.280	30.300	6.060		
	May'19	28.290	16.070	19.280	30.300	6.060		
	June'19	28.290	16.070	19.280	30.300	6.060		
	July'19	28.290	16.070	19.280	30.300	6.060		
	Aug'19	28.290	16.070	19.280	30.300	6.060		
	Sept'19	28.290	16.070	19.280	30.300	6.060		
	Oct'19	28.290	16.070	19.280	30.300	6.060		
	Nov'19	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'19	31.130	18.000	21.750	7.300	1.820	10	10
	May'19	31.130	18.000	21.750	7.300	1.820	10	10
	June'19	31.130	18.000	21.750	7.300	1.820	10	10
	July'19	31.130	18.000	21.750	7.300	1.820	10	10
	Aug'19	31.130	18.000	21.750	7.300	1.820	10	10
	Sept'19	31.130	18.000	21.750	7.300	1.820	10	10
	Oct'19	31.130	18.000	21.750	7.300	1.820	10	10
	Nov'19	31.130	18.000	21.750	7.300	1.820	10	10

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

Stations	Period	BRPL	BYPL	TPDDL	NDMC
MSW Bawana	Nov'19	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 Nov'19	31.130	18.000	21.750	7.300	1.820	10	10
PPCL	Upto Nov'19	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 Nov'19	60.976	8.580	30.224	0.000	0.000	0.082	0.138

- * 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 12.11.2018.
- **** **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**

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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	74.238	55.382	17.839	1.017		
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		
UNCHAHAAR-I	5.710	2.508	1.450	1.752		
UNCHAHAAR-II	11.190	4.9146	2.8423	3.4331		
UNCHAHAAR-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	11.250	1.6686	8.8911	0.6903		
Talcher	0.200000	0.0000	0.0000	0.0000		0.200000
SINGRAULI HYDRO	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

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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	67.015	49.993	16.104	0.918		
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		
KAHALGAON-II	10.490	4.607	2.665	3.218		
SASAN	11.250	1.6686	7.7708	1.8106		
Talcher	0.106900	0.0000	0.0000	0.0000		0.106900
SINGRAULI HYDRO	19.130	0.0000	0.0000	19.130		

**State Load Despatch Centre
Provisional Energy Accounts for the month of Nov'19**

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	17.31328358
	BYPL	2.072944121
	TPDDL	7.998272303
	RPH	0.342000
	MES	0.000000
	Total	27.726500
GT(S-RLNG)	BRPL	0.000000
	BYPL	0.000000
	TPDDL	0.000000
	NDMC	0.000000
	MES	0.000000
	Total	0.000000
PPCL(APM, PMT,RLNG)	BRPL	32.554809
	BYPL	17.601934
	MES	6.756954
	NDMC	33.747486
	TPDDL	23.521317
	Total	114.182500

*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 Tariff Regulation dated 31.08.2017 regarding IPGCL & PPCL Generating Stations for MYT control Period FY 2017-18 to 2019-20 , & CERC Tariff Regulation for 2014-19 for BTPS & Bawana, the salient features are as under.

Details of Tariff component	PPCL	GT	Bawana	BTPS	
Normative Annual Plant Availability Factor in %	85	85	85	85	
SHR in Kcal/Kwh	Closed Cycle	2000	2450	1845	2750
	Open Cycle	2900	3125	2756	
Aux. Cons in %	Closed Cycle	2	2	2.75	8.5
	Open Cycle	0.5	0.5	1	

Note: DERC vide order dated 17.10.2019 clarified & direct to SLDC to considered Aux. Consumption 2.5 % for to determine the Plant Availability factor of GT & PPCL by commision for PPCL & GT stn as per Tariff regulation 2017. .

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

Stations	Licensees	Scheduled Energy
PPCL (S-RLNG)	BRPL	0.000000
	BYPL	0.000000
	MES	0.000000
	NDMC	0.000000
	TPDDL	0.000000
	Total	0.000000
Bawana(APM, PMT)	BRPL	67.992720
	BYPL	38.876947
	MES	4.243784
	NDMC	16.706944
	TPDDL	45.487822
	HARYANA	17.865583
	PUNJAB	16.669833
Total	207.843633	
Bawana (RLNG)	BRPL	18.275244
	BYPL	10.127085
	MES	1.151206
	NDMC	4.009589
	TPDDL	13.629893
	HARYANA	5.210215
	PUNJAB	5.180250
Total	57.583483	
Bawana (S-RLNG)	BRPL	0.000000
	BYPL	0.000000
	MES	0.000000
	NDMC	0.000000
	TPDDL	0.000000
	HARYANA	0.000000
	PUNJAB	0.000000
Total	0.000000	

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

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC	BTPS
ANTA GF	1.7610728	1.0192985	0.2734905	0.4682839		
ANTA RF	0.0352278	0.0154614	0.0089490	0.0108175		
AURIYA GF		0.0000000	0.0000000	0.0000000		
AURIYA LF		0.0000000	0.0000000	0.0000000		
AURIYA RF		0.0000000	0.0000000	0.0000000		
BAIRASIUL	2.1686500	0.9524711	0.5508371	0.6653418		
CHAMERAHEP	5.9012315	2.5918209	1.4989128	1.8104978		
CHAMERA-II HEP	6.8030793	2.9879124	1.7279821	2.0871847		
CHAMERA-III HEP	4.2018456	1.8454506	1.0672688	1.2891262		
DADRI GF	9.5908855	5.8566270	1.2013085	2.5329501		
DADRI LF		0.0000000	0.0000000	0.0000000		
DADRI RF	0.3158474	0.0267067	0.0154433	0.2736974		
DADRI TPS	92.8729566	61.2695923	6.5968138	2.0265615	22.9799890	
DADRI-II TPS	155.1647361	126.8923045	26.6821703	1.5902613		
DHAULIGANGA	6.4966272	2.8533187	1.6501433	1.9931652		
DULAHSTI HEP	18.8535367	8.2804733	4.7887983	5.7842651		
JHAJJAR	1.0304189	0.1723308	0.0166221	0.8414660		
KOLDEM HEP		0.0000000	0.0000000	0.0000000		
KOTESHWAR	6.8858296	4.7732571	0.0000000	2.1125725		
NAPP	30.5942317	21.2079214	0.0000000	9.3863103		
NAPTHA JHAKRI*	29.0160467	12.7438477	7.3700759	8.9021231		
RAPP C	37.2070177	16.3413222	9.4505825	11.4151130		
RIHAND STPS	34.9483262	23.5575381	0.0000000	11.3907881		
RIHAND-II STPS	82.5127292	35.1184677	21.3592664	26.0349951		
RIHAND-III STPS	87.1465589	51.0302699	36.1162890	0.0000000		
SEWA-II HEP	2.4727602	1.0860363	0.6280811	0.7586428		
SINGRAULI	84.8228412	15.5614051	41.9907697	27.2706665		
SALAL HEP	18.0955506	13.4992807	4.5962699	0.0000000		
TEHRI HEP	13.2667110	9.1964841	0.0000000	4.0702269		
TANAKPUR	3.8500843	1.6909570	0.9779214	1.1812059		
UNCHAHAAR-I	9.9071397	5.0791891	2.2768730	2.5510776		
UNCHAHAAR-II	19.0642258	9.7059274	4.5761245	4.7821738		
UNCHAHAAR-III	12.2356282	6.2293702	2.9370067	3.0692514		
URI HEP	27.6529860	12.1451915	7.0238584	8.4839361		
URI -II HEP	18.2872689	8.0317685	4.6449663	5.6105341		
TALA**		0.0000000	0.0000000	0.0000000		
PARBATI-III	2.5046880	1.1000590	0.6361908	0.7684383		
FARAKA	7.2045180	2.7328631	1.8014471	2.6702078		
KAHALGAON-I	19.8918810	7.7795772	4.7539619	7.3583418		
KAHALGAON-II	84.3239160	35.5872144	19.7683475	28.9683541		
SASAN	298.2113130	44.0739758	236.0335194	18.1038179		
Talcher	1.1115520					1.1115520
SINGRAULI HYDRO	0.0000000	0.0000000	0.0000000	0.0000000		

All Hydro stns, Nuclear Stns & 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.

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 for State in Mus	BRPL	BYPL	TPDDL	NDMC	Northern Railway (Delhi)
DVC(LT-3) at Ex-NR periphery	156.690340	69.260869	37.517155	49.912316		
DVC(LT-3) at Ex-NR State periphery	154.025480	68.082938	36.879094	49.063449		
DVC(MEJIA)(LT-4) at Ex-NR Periphery	47.023580	23.029552	12.299542	11.694487		
DVC(MEJIA)(LT-4) at Ex-NR State Periphery	46.232055	22.64190634	12.09250966	11.497639		
DVC(MEJIA7)(LT-8) at NR periphery	57.742995		57.7429950			
DVC(MEJIA7)(LT-8) at NR State periphery	56.767968		56.7679680			
Haryana CLP Jhajjar(LT-5) at EX-NR periphery	15.938665			15.9386650		
Haryana CLP Jhajjar(LT-5) at EX-NR State periphery	15.419308			15.4193080		
DVC(MPL-DVC)(LT-6) at Ex-NR periphery	157.548542			157.5485420		
DVC(MPL-DVC)(LT-6) at Ex-NR State periphery	154.914298			154.9142980		
JITPL MT20 at Ex-NR periphery	5.5307880					5.5307880
JITPL MT20 at Ex-NR State periphery	5.4391980					5.4391980
Himachal(LT-59) at Ex-NR periphery	1.5532750			1.5532750		
Himachal(LT-59) at Ex-NR state periphery	1.4948250			1.4948250		
Tuticorin_GIREL (L_NR_2018_61) at Ex-NR periphery	7.5051100	7.5051100				
Tuticorin_GIREL (L_NR_2018_61) at Ex-NR State periphery	7.5051100	7.5051100				
Nanti Hyd (L_NR_2019_11) at NR periphery	1.5836900			1.5836900		
Nanti Hyd (L_NR_2019_11) at NR State periphery	1.5236650			1.5236650		
SECI	8.1568760	2.729952	2.717592	2.709332		

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

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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	56.6119746	33.5718231	23.0401515	0.0000000	

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

$$PLF = 10000 \times \sum_{i=1}^{N} SGi / \{N \times IC \times (100 - AUXn)\} \%$$

Where,

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

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

N = Number of time blocks during the period, and

AUXn = 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	08.11.2019	18:25	08.11.2019	18:32
		09.11.2019	20:00	09.11.2019	21:00
		11.11.2019	12:42	11.11.2019	13:08
		20.11.2019	12:06	20.11.2019	16:21
		28.11.2019	11:00	28.11.2019	18:43
	4	13.11.2019	19:18	13.11.2019	23:02
	5	10.11.2019	14:07	10.11.2019	16:15
	6	14.11.2019	0:40	14.11.2019	0:48
		10.11.2019	16:01	10.11.2019	17:35
	PPCL	2	11.11.2019	14:39	11.11.2019
20.11.2019			6:39	20.11.2019	8:53
Bawana	2	12.11.2019	17:32	12.11.2019	18:10
		15.11.2019	14:05	15.11.2019	15:28
	4	16.11.2019	9:48	16.11.2019	12:15

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M) Details of Energy Injected by TOWMCL as per SEM

Month	Total Injection by TOWMCL* in Mus(as per SEM)
Nov'19	12.379999

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

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

all figures are in Mus

Month	Total	BRPL	BYPL	TPDDL	NDMC
Nov'19	2.820152		1.381875		

*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.

O) 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%)
Nov'19	10.4677956	4.376585	2.501803	3.056596	0.532811

*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 28.02.2017 at 0.00 Hrs

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

Energy Exchange	Licensees	Purchase	Sale
IEX	BRPL	91.6273729	-2.4490900
	BYPL	0.0000000	-76.0916775
	TPDDL	68.5512442	-1.8040300
	NDMC	13.4912700	-1.8830650
	MES	1.2407689	-1.3879175
	N. Railway	1.0680615	0.0000000
	Total	175.9787175	-83.6157800
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 consumer purchase through Exchange.