

BSES Yamuna Power Limited

BID Document

For Banking of Power

On Firm Basis during 16th May-2017 to 28th Feb-2018

Last Date for Submission of Bid is 11th May-17, 2017 (15:30 Hrs)

Tender no-Addl.V.P/PMG/17-18/ Banking-1/Tender-1 dt 01-05-2017

Head (Power Management Group)
2nd Floor, B-Block, Shaktikiran Building
Karkardooma, New Delhi-110092
Ph: 011-39992048/2074
Fax: 011-39992076

1. Introduction and Background

BYPL is limited company incorporated under the companies Act 1956 and engaged in the business of distribution of electricity within its licensed area in NCT of Delhi. BYPL invites offers from the CERC licensed power traders / utilities for power swap arrangement for the period commencing from 16th May-2017 to 28th Feb 2018 as per the details given below:-

Supply of power by BYPL			Return of power to BYPL		
Arrangement -I			Arrangement -I		
Month	Time Slot(Hrs)	Qtm Offered(MW)	Month	Time Slot(Hrs)	Return ratio
16.05.17 to 30.09.17	04:00 to 10:00	50-150	01.12.17 to 28.02.18	08:00 to 13:00	to be quoted by bidder
Arrangement -II			Arrangement -II		
Supply to BYPL			Return by BYPL		
Month	Time Slot(Hrs)	Qtm req(MW)	Month	Time Slot(Hrs)	Return Ratio
16.05.17 to 30.09.17	00:00 to 02:00	50-150	01.11.17 to 28.02.18	RTC basis or (0-6 & 22-24 Hrs)	to be quoted by bidder
	14:00 to 24:00	50-150			

This is tentative quantity, the quantity shall be finalised at the time of letter of Award

Sources/bids from WR/SR shall be considered based on the WR-NR corridor availability

Note:- i) If trader/utilities prefer to offer/avail power in some other time slot, BYPL would consider the same on mutually agreed basis.

ii) Any other banking offer shall be considered by tender committee, if found suitable for BYPL

2. Return of Power:

Banked power shall be returned to/supplied by BYPL on Firm Basis preferably as per the details stated in the above tables.

For arrangement –I, Trader/utilities are requested to clearly indicate the premium (Conversion Ratio), in percentage, offered by them on the quantum of banked power returnable to BYPL.

Preference shall be given to the trader/utilities who will accept the return of power with maximum percentage premium on return and minimum trading margin.

However for case –II, preference shall be given to trader/utilities who will accept the return of banked power from BYPL with minimum conversion ratio and trading margin. Return period being same, Bidders may also submit bids with different return slots other that specified above. However, selection/Rejection of such bids shall be at sole discretion of BYPL.

3. Back to Back Arrangement:

Preference shall be given to utility. In case the bidder is Trading Licensee if it has valid back to back Lol/ Agreement with the importing utility, Lol/ Agreement of back to back arrangements, should be attached with the bid, other-wise offer will be rejected.

4. Earnest Money Deposit:

The prospective Bidders shall have to deposit Earnest Money (EMD) of Rs. 100000/- (Rupees One Lac) in the form of Crossed Demand Draft from any Nationalized Bank / Scheduled bank drawn separately in favor of "BSES Yamuna Power Limited" payable at New Delhi as Earnest Money Deposit ("EMD") or through RTGS directly in the designated account of BYPL.

Bank details are as follows:-

- (i) Account Name - BSES Yamuna Power Limited
- (ii) Bank Name – AXIS Bank, Swasthya Vihar, New Delhi.
- (iii) Account No. – 911030003596085
- (iv) RTGS Code - (RTGS Code of Axis Bank UTIB0000055)

The bid without prescribed amount of EMD shall be rejected.

The EMD shall be refunded to the bidders whose offers are not accepted after 30 days of opening of bids without any interest. The EMD of the Bidders whose offers are accepted shall be converted into "Performance Bank Guarantee" (PBG) and shall be refunded only after the said bidder(s) have released all the payments and fulfilled their obligations under the contract. No interest shall be paid on this Performance Bank Guarantee amount.

Government companies/utilities/PSU/which are owned/controlled by central or state government, intends to participate directly in the tender, shall be exempted from furnishing the requisite EMD.

However, the EMD submitted by the bidders may be forfeited under the following circumstances:

- i. In case bidder withdraws or modifies its bid during Bid Validity Period or fails to sign detailed Power Swap Agreement within 07 days from issuance of LoA (Letter of Award) to successful bidder.
- ii. During period of supply by BYPL- In case BYPL issues the LoI in favour of successful bidder, and the bidder fails to apply open access within stipulated time as specified in the prevailing open access regulations for advance booking of short term open access, issued/amended by CERC from time to time.
- iii. During period of Return to BYPL- In case BYPL has already supplied power under the contracted banking arrangement and the bidder fails to apply open access within stipulated time as specified in the prevailing open access regulations for advance booking of short term open access, issued/amended by CERC from time to time.
- iv. In case of any wilful default by the trader/utility during the return of power to BYPL leading to any shortage in the contracted returnable energy to BYPL.

5. Submission of Bid

The Bidders shall submit their bids in sealed envelopes marked "**BYPL Power Swap Arrangement- for May-17 to Feb-18**" and shall be sent to:

Sh. Sunil Kakkar

Head- Power Management

BSES Yamuna Power Limited

Block-A, Cabin-2, 2nd Floor,

ShaktiKiran Building, Karkardooma, New Delhi-110092

Fax No. 011-39992076/ Tel (O) – 011-39992048

The Electricity Trading Companies are required to submit photocopy of their valid license issued by CERC along with Bid Document. The Bid submitted by the Bidder and all correspondence and documents relating to the bid shall be written in the English Language.

6. Contract Documents

Subject to approval of the competent authority BYPL shall intimate the award of power swap arrangement to the successful Bidder's through a letter of award (LOA). Successful Bidder's shall convey their acceptance of Letter of Award within 3 days of issue of letter of award. Acceptance of Letter of Award shall be construed as a binding contract. After acceptance of Letter of Award, the successful bidder shall execute the detailed Power Swap Agreement with BYPL within 7 days of issue of Letter of Acceptance, inter-alia incorporating provisions of the General Terms and conditions attached as per Annexure-I

7. Payment Security Mechanism

In case successful bidder is utility then, both the parties (BYPL & successful bidder) shall provide the month wise SLDC consent for open access booking in advance for scheduling of contracted power.

The schedules/applications so signed shall not be revised/ changed without consent of both the parties. However, if it becomes necessary to alter/amend the same on account of corridor congestion/change in scheduling procedure the same will also be made with mutual consent of both the parties.

In case successful bidder is generator then bidder shall provide the month wise SLDC consent. Successful bidder shall also provide the requisite amount LC/BG or any other financial instrument as mutually agreed, of amount equivalent to monthly contracted qty calculated @ Rs 3.0/Kwh to be supplied by BYPL, within five days of commencement of power flow.

8. Compliance to the terms and conditions

The Bidders are advised to ensure that the bid is fully compliant with the requirements specified, terms and conditions contained in the Bid Document. No deviation from these conditions is permissible and BYPL reserves right to reject any such bid with any deviations.

9. BYPL right to accept/reject the bid

BYPL reserve the right to reject any or all bids or to accept any bid in full or part at its sole discretion without assigning any reasons whatsoever there off. For the avoidance of doubt, it is clarified that BYPL also reserves the right to alter the time period/slots of supply & return of power, quantities of power/split the quantities of power as fully described in clause 1, amongst more than one selected bidder for the same month.

The decision of BYPL shall be final and binding on the bidders in this respect and no further correspondence shall be entertained by BYPL in this regard. The participation of any bidder shall be at their own cost and risks.

10. Modification of the Bid Documents

BYPL reserves the right to modify terms and conditions of the Bid Documents prior to the submission of the bid by the bidder by issuing amendment(s) and such amendment(s) shall form part of bid documents.

11. Bid Validity Period

The offer shall remain valid for a period of 15 days from the date of opening of bid ("Bid Validity Period") and the Bidders shall have no right to withdraw the offer or alter any terms and conditions

during the period of validity. In case the bidder withdraws or alters any terms and conditions during the period of validity, EMD submitted by the bidder shall be forfeited.

12. Submission of the Bid

The tender may be submitted in the office of Head-Power Management Group, ShaktiKiran Building, BYPL Corporate Office, Karkardooma, New Delhi-110092, on or before by "11.05.17" at 15:15 hrs and the bids will be opened on the same day at 15:30 hrs. The Venue for the tender opening shall be "Board Room, 1st Floor, ShaktiKiran Building, Karkardooma". The representatives of the participating parties may be present at the time of opening of the bid, if they so desire.

13. Governing Law

Subject to the statutory provisions for arbitration under Electricity act 2003, all other differences or disputes between the parties arising out of or in connection with this "bid document" shall be settled through arbitration subject to the provision of arbitration and conciliation Act 1996. The venue for arbitration shall be New Delhi.

14. Jurisdiction

Matters arising out of or in conjunction with the Bid/offer Documents and/or the bidding process shall be governed by and construed in accordance with Indian Law and the courts of New Delhi shall have exclusive jurisdiction.

15. Change in Law

In case of change in law or restriction imposed by Regulator (Central / State) or Government or Appellate Tribunal/ High Court/ Supreme Court on any aspect for sale, purchase or banking of power, the same shall be binding on both the parties.

16. Contact Person:

For any clarification in this regard, please contact

Sh Anurag Sharma, DGM,

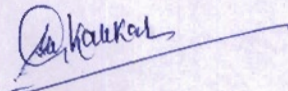
contact no-9313553021, 011-39992048

email : anurag.kr.sharma@relianceada.com

(Bid document can also be downloaded from our website www.bsesdelhi.com)

Thanking you,

Yours Sincerely



Sunil Kakkar

Head -Power Management, BYPL

Annexure-I: General Terms and Conditions

Terms and conditions for power swap arrangement are as under:-

1. Period, Time slot & Quantum of Power:

BYPL shall supply/avail the power as per following details

Supply of power by BYPL			Return of power to BYPL		
Arrangement -I			Arrangement -I		
Month	Time Slot(Hrs)	Qtm Offered(MW)	Month	Time Slot(Hrs)	Return ratio
16.05.17 to 30.09.17	04:00 to 10:00	50-150	01.12.17 to 28.02.18	08:00 to 13:00	to be quoted by bidder
Arrangement -II			Arrangement -II		
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	14:00 to 24:00	50-150			

Return of Power:

Banked power shall be returned to/supplied by BYPL on Firm Basis preferably as per the details stated in the above tables.

Return period being same, Bidders may also submit bids with different return slots other than specified above. However, selection/Rejection of such bids shall be at sole discretion of BYPL.

2. Delivery point:-

The Delivery Point in either case shall be at Regional Periphery of exporting utility. It is clarified that bid received with deviation in the Delivery Point will not be entertained and will summarily be rejected.

3. Open access, Transmission Charges & Losses:

a) Upto Delivery Point:

When BYPL is exporting: All Open Access Charges upto delivery point including SLDC application fee, SLDC Operating charges, PoC injection charges, Delhi STU charges etc. and all transmission losses including PoC Injection Losses (till NR Periphery in BYPL Case) shall be borne by BYPL.

b) Beyond Delivery Point:

When BYPL is importing: All Open Access Charges beyond delivery point including SLDC/RLDC Application fee, SLDC/RLDC Operating charges, PoC drawl charges, Delhi STU charges and all transmission losses including PoC drawl losses (beyond NR Periphery in BYPL Case) shall be borne by BYPL.

Any other charges/losses, other than specified above shall be to the account of the successful bidder/Trader. Any Taxes, duties & Cess etc. if becomes applicable, shall be borne by the bidder.

4. Scheduling:

The successful bidder shall apply open access for the entire contracted quantum for all the blocks of the contracted period immediately after the receipt of LoA from BYPL as per the time line stipulated in CERC open access regulations/guidelines in force, presently 3 months in advance.

Scheduling of power shall be as per CERC Open Access Regulations, CTUs Open Access procedure and IEGC in vogue and shall include the following:-

- (i) Both importing and exporting utility shall schedule power in full, except in case of transmission constraints. The scheduling and dispatch of the power shall be coordinated with the respective RLDCs as per the relevant provisions of IEGC and the other decisions of RLDC and RPCs.
- (ii) Scheduling of power should be uniform throughout the block period filled in the tender document subject to Open Access approval received from nodal RLDC.
- (iii) Both the entities shall obtain the concurrence of their respective SLDC required for short term open access. Recipient utility shall apply for STOA as per short term scheduling procedures along with the SLDC consent and pay the open access charges as per rules. The recipient utility shall provide the SLDC concurrence in advance to BYPL.
- (iv) The supplying utility shall reimburse the open access and scheduling charges if any before delivery point, to recipient utility within 7 days after receiving the bill..
- (v) In case of cancellation of corridor by RLDC due to system constraints, the refund received by recipient utility from RLDC, if any, against supplying State's Open Access Charges shall be refunded within 7 days of receipt from the Nodal RLDC
- (vi) In case of re-routing of open access corridor due to congestion/system constraints, the additional charges involved shall be borne by recipient utility.

5. Contract Security Mechanism:

In case returning source is utility, then trader/bidder shall provide the SLDC consent in advance against the power received under banking transaction. The trader/ Utility shall apply for the open access corridor on advance basis/ FCFS basis for the return of banked quantum.

In case returning source is generator then trader/ bidder shall provide the month wise SLDC consent. Successful bidder shall also provide the requisite amount LC/BG or any other financial instrument as mutually agreed, of amount equivalent to monthly contracted qty calculated @ Rs 3.0/Kwh to be supplied by BYPL, within five days of commencement of power flow.

6. Settlement Rate:

Energy will be exchanged with energy only. If the energy is exchanged between BYPL and trader/ utility in the desired proportion no monetary transaction will take place. However

- i. In case Trader/Importing utility, fails to return the contracted returnable energy during a month, Owing to Transmission constraints & other force majeure conditions, the remaining energy for that month shall be returned to BYPL, as per mutual consent.
- ii. During return of banked energy to BYPL, if the Trader/Importing utility, fails to apply open access on time and the same results into reduction of contracted returnable energy during any month/period, for any shortfall in returnable energy on this account, compensation shall be paid to BYPL by the Trader/Importing Utility @ Rs. 4.00/Kwh. In case quantum of power returned by trader/utility is less than 99.5% of power returnable by it, the differential energy will be settled at the rate of Rs 4.00/kwh.
- iii. In case quantum of power returned by trader/utility is more than or equal to 99.5% and less than 100% of power returnable by it, the differential energy will be settled at the rate of Rs 3.00/kwh.
- iv. In case of less requisition by BYPL, at the time of return of banked energy, the settlement rate shall be Rs 2.50/Kwh.

7. Energy Accounting:

- (a) For the power supplied by BYPL during the entire month, the trader/utility shall submit certified energy statement to BYPL based on the REA issued by the Nodal RPC.
- (b) For the supply of banked power to BYPL by trader/utility during the entire month, the trader/utility shall issue a certified energy statement based on the REA issued by NRPC.
- (c) Once all the transactions are completed, trader/utility shall prepare a final energy account showing the

supply and return of power in energy terms (MUs).

(d) Accounting of energy exchange will be carried out by trader / utility on the basis of implemented schedule / final revision by Northern Regional Load Dispatch Centre and respective Regional Load Dispatch Centre subject to final reconciliation on the basis of Regional Energy Accounts issued by NRPC and respective Regional Power Committee at the end of contract period. Final bill shall be raised on the basis of REA adjustment, if any.

8. Payment & late surcharge:

All payments against Trading margin, Open Access bills and adjustment of energy bill shall be made within 10 working days from the receipt of bill. Bill received after 12:00 hrs shall be considered to be received on next working day and shall be processed accordingly.

However, for delay in payment beyond 30 days from the issuance of bills, surcharge will be applicable @ 1.25% per month. The surcharge shall be calculated on day-to-day basis.

9. Compensation for default:

(i) The traders/Utility shall apply for obtaining Open Access approval from the nodal agency for booking of corridor for contracted quantum on three month advance basis. In case successful trader/utility fails to apply for open access on three month advance basis then compensation shall be levied on 100% contracted quantity.

(ii) Without prejudice to the provisions of force majeure, if BYPL fails to schedule power equal to the 85% of the monthly (calendar month) energy, for which Open Access is initially approved then the BYPL shall pay compensation @ Rs 1.00/Kwh (One per Kwh) for the difference (shortage) quantity to trader/utility. Similarly, if trader/utility does not avail the power equal to 85% of monthly (calendar month) energy for which Open Access is initially granted, then trader/utility shall pay compensation @ Rs 1.00/Kwh (One per Kwh) for the difference (shortage) quantity to BYPL. The compensation, as mentioned above, shall also be applicable for return of power by trader/utility to BYPL

At the time of final settlement, the amount of compensation paid by the trader/ utility/ BYPL, if any, shall be adjusted.

(iii) In case of revision/cancellation of approved open access corridor, the party seeking revision / cancellation of open access corridor shall bear all the open access charges as applicable under Inter-State Open Access Regulations from the injection point till the point of drawl applicable due to such surrender/cancellation.

10. Trading Margin:

The trader (i.e. bidder) is required to specify the trading margin for the quantum of power supplied to BYPL. However, the trading margin will not be more than 4 paise/kwh. No trading margin will be allowed on the quantum supplied by BYPL. In case the offers of different bidders have the same provision for return of power, then the offer of the bidder with lesser trading margin shall be preferred.

12. Force Majeure

The parties shall ensure due compliance with the terms of the agreement. However, no party shall be liable for any claim for any loss or damage whatsoever arising out of the failure to carry out terms of the agreement to the extent that such a failure is due to Force Majeure events like rebellion, mutiny, civil commotion, riot strike, lock-out, natural calamity, act of God and technical constraints / transmission constraints imposed by RLDC / RPC. But any party claiming the benefit of this clause shall fully satisfy the other party of the existence of such event and give written information to the other party within 24 hours of such Force Majeure. Supply / drawl of power shall be resumed immediately by the parties concerned after such eventuality has come to an end or ceased to exist.

(To be given on the official letter Head of the Bidder)

Bid for banking of power

Annexure II

To,

Sh. Sunil Kakkar
Head-Power Management
BSES Yamuna Power Limited
2nd Floor A-Block, Cabin-2,
Shakti-Kiran Bldg, Karkardooma,
New Delhi-110092.
Tel (O) - 011-39992048/2074,
Fax No. 011-39992076

Acceptance of General Terms and Conditions and submission of Banking Bid

(To be signed by the authorized person of the bidder)

- 1.) Certified that I am authorized person on behalf of my company/ organization to submit bid.
- 2.) I/We have carefully gone through the Tender Document and satisfied ourselves/myself and hereby confirm that our/my offer strictly confirms to the requirements of the Tender Document and accept all the terms and conditions of offer.
- 3) We are enclosing **Bank Draft No/RTGS receipt no.** _____ **dated** _____
amount for Rs _____
issued from _____ **payable at New Delhi, as Earnest Money Deposit.**
- 4) The photocopy of valid trading license issued from CERC is enclosed. (Applicable in case of Electricity Traders only)
- 5) Any other remarks, submissions ,if any

6.) We are submitting our Banking Bid as under: -

Supply of power by BYPL				Return of power to BYPL			
Arrangement -I				Arrangement -I			
Month	Time Slot(Hrs)	Qtm Offered(MW)	Qtm accepted (in Mw)	Month	Time Slot(Hrs)	Trading Margin (Paisa/Kwh)	Return ratio(%)
01.05.17 to 30.09.17	04:00 to 10:00	50-150		01.12.17 to 28.02.18	08:00 to 13:00		
Arrangement -II				Arrangement -II			
Supply to BYPL				Return by BYPL			
Month	Time Slot(Hrs)	Qtm req(MW)	Qtm offered (in Mw)	Month	Time Slot(Hrs)	Trading Margin (Paisa/Kwh)	Return ratio(%)
01.05.17 to 30.09.17	00:00 to 02:00	50-150		01.12.17 to 28.02.18	RTC basis or (0-6 & 22-24 Hrs)		
	14:00 to 24:00	50-150					

Signature: _____

Name: _____

Date: ____/____/____

Designation: _____

Name of company/Org _____

Address _____

Telephone No (O) _____

Mobile No./Fax no _____

Seal of company _____

ANTICIPATED SHORTAGE(-) / SURPLUS(+) FOR SUMMER AT A GLANCE 2017-18

BSES YAMUNA POWER LTD

12.04.17

Sl. No.	Month	1ST FORTNIGHT																								2ND FORTNIGHT																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	Oct-17	-284	-216	-151	-92	-44	2	12	38	-47	-108	-139	-130	-100	-176	-159	-125	-152	-181	-170	-147	-216	-287	-104	-46	9	59	123	172	172	153	132	19	-23	-41	-44	2	-18	-20	-26	-60	-58	-44	-14	17	-14	-57			
2	Nov-17	196	237	257	281	271	187	75	62	52	-14	-32	-23	-18	22	22	17	-8	-47	-101	-71	-28	54	106	160	333	367	383	392	375	256	88	68	78	40	26	49	72	128	180	163	139	60	56	87	134	185	234	283	
3	Dec-17	293	332	351	361	341	219	42	-19	-18	-49	-55	-35	-8	58	104	112	101	9	1	26	74	130	180	243	330	373	391	402	389	240	36	38	7	-55	-58	-49	-58	22	79	85	83	0	-19	-1	52	121	181	263	
4	Jan-18	282	336	357	375	360	238	27	-98	-110	-156	-177	-168	-101	-6	31	31	30	-49	-79	-66	-14	63	115	196	285	346	374	387	359	227	-1	-101	-105	-153	-160	-153	-107	-3	29	50	47	-47	-74	-61	-9	59	117	203	
5	Feb-18	323	368	394	407	380	245	42	-54	-14	-64	-67	-46	-45	27	78	94	87	20	-16	-9	48	122	177	251	272	310	329	342	320	198	11	-62	-65	-82	-103	-83	-36	48	52	59	58	2	-51	-48	13	100	148	213	
6	Mar-18	255	291	313	328	313	196	44	-17	-16	-83	-88	-63	-27	38	38	38	28	-12	-66	-63	-3	94	145	204	185	185	211	233	254	258	195	101	38	20	-63	-100	-96	-59	0	33	29	10	-39	-44	-41	4	67	104	159

Sl. No.	Month	1st FT																								2nd FT																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
1	Oct-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
2	Nov-17	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182							
3	Dec-17	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182					
4	Jan-18	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182				
5	Feb-18	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182			
6	Mar-18	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182	-182

Key Assumption-Winter
 Projection of Demand is as per NRPC method
 Availability is as per LGBR for FY 2016-17
 PLF for Thermal is 90 % in central sector & 85% in state sector.

Auxiliary(Normative basis) & Losses (1%) considered
 Availability from Hydro stations has been considered as 0% during Night hours (00.00hrs. to 06.00hrs), 75% during Morning and Evening Peak Hours and 30% during rest of the period for November to February.

Availability from Hydro stations has been considered as 30% during Morning Hours (00.00hrs. to 10.00hrs), 50% during Day time (10.00hrs. -18.00hrs), 75% during Evening Peak Hours (18.00-22.00hrs) and 50% during rest of the period (22.00hrs.-24.00hrs) for Oct. & March

Regulation of NHPC will continue till March'18
 Ansa-G,Audrya-G & Dadri-G considered as per technical minimum (50%)
 3*95 MW & 1*210 MW considered shutdown from BTPS w.e.f Nov'17
 Dadri one unit(210 MW) considered shutdown w.e.f Nov'17
 THDC & Kokeswar assumed as re-allocation w.e.f April'17 to March'18
 Dadri all one unit considered shutdown for Nov & March'18 considered
 One unit of Pragati is under shutdown w.e.f Nov'17
 Assuming regulation of APCPL will be w.e.f 05.09.2016
 All figure are in MW term.