



दिल्ली ट्रांसको लिमिटेड DELHI TRANSCO LIMITED

पंजीकृत कार्यालय : शक्ति सदन, कोटला रोड, न्यू दिल्ली-110002

(Regd. Office Shakti Sadan, Kotla Road, New Delhi-110002)

कार्यालय उपमहाबन्धक (एस.ओ.)

Office of Dy. General Manager (SO)

एस एल डी सी बिल्डिंग, मंटो रोड, न्यू दिल्ली-110002

SLDC Building, Minto Road, New Delhi-110002

Ph: 23221149 FAX No.23221012

No. F./DTL/207/2015/DGM(SO)/65

Dated : 01.04.2015

Subject : Minutes of meeting held on 27.03.2015 at Conference Hall, SLDC to discuss the issues with regard to reallocation of surplus power of various sources beyond 31.03.2015.

Dear Sir, / महोदय

Minutes of meeting held on 27.03.2015 at Conference Hall, SLDC to discuss the issues with regard to reallocation of surplus power available from various sources beyond 31.03.2015 is enclosed for ready reference and further necessary action please.

Thanking you,

Yours faithfully

Encl. as above

(V. VENUGOPAL)
Dy. General Manager (SO)

To :-

Sh. P.K. Gupta, G.M. (SLDC)
Ms. Kiran Saini, G.M. (C&RA), DTL, Chairperson, DPPG
Sh. Sanjay Banga, Sr. G.M. TPDDL
Sh. Ashish Dutta, Head(PMG), TPDDL
Sh. Sunil Kakkar, Head (PMG), BTPL
Sh. Sanjay Srivastava, Head (PMG), BRPL
Sh. Sachin Bardan, CWE (U), MES
Sh. D.P. Singh, XEN (Power), NDMC

Copy for favour of kind information to:-

1. Principal Secretary (Power), Govt. of NCT of Delhi,
2. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-110017
3. Managing Director, DTL
4. Chairperson, NDMC, Palika Kendra, Sansad Marg, New Delhi
5. Member Secretary, NRPC, Katwaria Sarai, New Delhi-110016
6. Director (Operations), NTPC, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi-110003
7. Managing Director, IPGCL/PPCL, Himadri, Rajghat Power House, New Delhi-02
8. Director (Operations), DTL
9. Director (Tech), IPGC / PPCL
10. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019
11. CEO, BYPL, Shakti Kiran Building, Karkardooma, New Delhi-92
12. CEO, TPDDL, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-110009
13. Chief Engineer, Delhi Zone,(CEDZ), MES Palam Road, Delhi Cantt, New Delhi-10
14. G.M. (BTPS)
15. Addl. Secretary (Power), Govt. of NCT of Delhi, Delhi Secretariat, New Delhi



DELHI TRANSCO LTD.

(Regd. Office : Shakti Sadan, Kotla Road, New Delhi 110002)

[Office of Deputy General Manager (System Operation)]

SLDC Building, Minto Road, New Delhi 6 110 002

Phone No.23221175, Fax 23221012, 23221059

Subject : Summary of discussions of the meeting held on 27.03.2015 at Conference Hall, SLDC to discuss the issues with regard to reallocation of surplus power from various sources beyond 31.03.15.

A meeting was convened in the Conference Room of SLDC at 12.00hrs. on 27.03.2015 on the issue of the communication dated 25.03.2015 received from Govt. of NCT of Delhi with regard to reallocation of power from various generating stations. The text of the communication is as under:-

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To

The General Manager (SLDC)

Delhi Transco Ltd

SLDC Building, Minto Road

Delhi

I am directed to inform you that a meeting was held in the chamber of Hon'ble Minister of Power, GNCTD on 10.03.2015 at 6.00PM wherein it has been decided that Department of Power, GNCTD shall submit a detailed proposal by 31.03.2015 after consulting the DTL and Discoms to the Ministry of Power, Govt. of India clearly specifying the timelines by which the power from NTPC Badarpur Plant can be surrendered and Rajghat Plant can be shut-down so that gas allocation of the same can be re-allocated to the Bawana Power Plant

It is requested to assess the demand & supply position in consultation with DISCOMs and furnish your comments on the reallocation of power from various Central Sector Generating Stations beyond 31.03.2015 to this office within two days positively for further necessary action.

Sd

(Alka Sharma)

(Dy Secretary (Power) ”

Copy to :

- 1 MD, DTL
- 2 CEO, TPDDL
- 3 CEO, BRPL
- 4 CEO, BYPL

The meeting was attended by members of Delhi Power Procurement Group (DPPG) and SLDC. Director (Operations), DTL chaired the meeting. The list of the participants is appended hereunder:-

S. N	Name	Designation	Utility	Mobile no.	Email
1	Sh. Asim Haldar	Director (Opr), DTL In Chair	DTL	9650992550	asimhaldar@yahoo.com
2	Sh. Venugopal	Dy. G.M(System Operation). - Convener	SLDC	9871093902	venugopal.v1960@yahoo.co.in
3	Sh. P.K. Gupta	G.M. (SLDC)	SLDC	999533626	psdpvr2012@gmail.com
4	Ms Kiran Saini	GM. (C&RA)	DTL	9999533639	gm.comm@dtl.gov.in
5	Sh. Darshan Singh	Manager (SO)	SLDC, DTL	9999533837	darshansingh.dtl@gmail.com
6	Sh. Pradeep Katiyar	Manager (SO)-Shift	SLDC, DTL	9999533676	
7	Sh. Naveen Kumar	AM(T), SO	SLDC, DTL	9999533883	naveen0634engg@gmail.com
8	Sh. Sanjeev Kumar	AM(T), SO	SLDC, DTL	9999533917	sanjeevkumar2474@gmail.com
9	Sh. Sanjay Banga	Sr. G.M.	TPDDL	9818100660	sanjay.banga@tatapower-ddl.com
10	Sh.AshisKumarDutta	DGM(PMG)	TPDDL	9871798566	ashis.dutta@tatapower-ddl.com
11	Col. Sachin Bardan	CWE(U)	MES	9968608227	
12	Sh Major A N Rai	AEE	MES	8447146921	geelectric@gmail.com
13	Smt. Kiran Gajrani	EE (Electronic)	MES	9873802301	k-Gajrani@rediffmail.com.in
14	Sh. Panini Gupta	EE (R&P)	NDMC	9810055594	paninigupta@gmail.com
15	Sh. D.P. Singh	XEN(Power)	NDMC	011-23341605	dp.singh@ndmc.gov.in
16	Sh.Sunil Kakar	AVP (PMG)	BYPL	39992002	sunilkakar@rediffmail.com
17	Sh. Anuran Sharma	Sr. Manager	BYPL	931355302	anurag.kr.sharma@relianceada.com
18	Sh.Sanjay Srivastava	AVP (PMG)	BRPL	9312147045	sanjaysrivastava@rediffmail.com
19	Sh. A.K. Gera	DGM	BRPL	9313898750	anand.gera@relianceada.com
20	Sh. S.B. Malik	Consultant	BRPL	9899377074	shashimalik@relianceada.com

Gist of discussions and decisions are as under:-

Intra State Generating Stations.

a) Closure of RPH Plant

It was intimated by SLDC that during this summer, the closing of RPH Plant would create transmission constraints to meet the peak demand of more than 6000MW. However considering the commissioning of 220kV Patparganj ó Gazipur 1000mm² cable and the possibility of re-conductoring of 220kV Wazirabad ó Geeta Colony D/C line to high capacity conductors, the closure of RPH units won't cause any constraints. As such, in System Operation point of view, RPH plant can be closed down immediately after summer 2015 i.e. after 30.09.2015. The average cost of the generation is as under:-

Fixed Charges in Crores per year	Fixed Charges at 75% PLF in Ps/Unit	Variable cost in PS/Unit				
		Aprø2014	May 2014	June 2014	July 2014	Aug 2014
159.25	202	333.80	333.80	333.80	333.80	333.80

Variable cost in PS/Unit						
Sept2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Total 2014-15 (Total cost fixed and variable)
337.80	292.30	292.30	292.30	352.00	352.00	528.15

The environmental issues are also being encountered for running the units. The units have also outlived their useful life as Unit-1 (67.5MW capacity) was commissioned in the year May 1990 (67.5MW capacity) and Unit-2 was commissioned during January 1990 as the normal life of the plant is 25 years. Due to aging of the plant, the efficiency of the plant has also come down. During last summer season, the plant could not deliver 60% of the capacity as detailed hereunder:-

Month	Plant availability in %age	Scheduled PLF in %age
April 2014	82.09	37.04
May 2014	72.13	62.98
June 2014	76.39	74.70
July 2014	57.79	57.79
August 2004	55.00	46.47
Sept 2014	51.94	51.94
April to Sep 2014	65.82	55.13

It was also pointed out that as per the ARR filed by IPGCL for the year 2015-16, they have claimed the fixed cost of Rs. 175.13 Crores per annum with an estimated variable cost of Rs. 3.51 / unit (further subject to fuel price adjustment on month-to-month basis) making the composite cost of Rs. 5.76/unit.

All beneficiaries of RPH requested the State Govt. to close down RPH Plant forever so that fixed charges liability along with variable charges can be get rid off as the transmission constraints would be eased after the commissioning of 220kV Patparganj – Gazipur link and re-conductoring of 220kV Wazirabad – Geeta Colony line.

The Forum decided to recommend the State Govt accordingly.

b) Closure of PPCL’s Pragati Station

SLDC informed that from the System Studies, it is evident that due to the inadequate transmission system, during summer months both the units of the station are required till the establishment of 400kV Inter State Transmission System (ISTS) at RPH. However, during the period of October to March, the entire station can be closed down and divert the gas to Bawana CCGT to efficiently utilize its capacity being the high efficient machines.

Distribution Companies expressed their strong resentment of continuous operation of the plant due to non-commissioning of transmission system to get rid off the costly generation. The cost of the supply of the plant is as under:-

Fixed Charges in Crores per year	Fixed Charges at 85% PLF in Ps/Unit	Variable cost in PS/Unit				
		Apr 2014	May 2014	June 2014	July 2014	Aug 2014
213.15	90	381	272	303.70	520.20	458.10

Variable cost in PS/Unit						
Sept 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Total 2014-15 (Total cost fixed and variable)
442.20	460.90	384.70	425.10	467	340.70	495.05

It was also pointed out that in the ARR filed by PPCL for the year 2015-16, they have claimed the fixed cost of Rs. 238.76 Crores per annum which is Rs. 25 Crores more than the present level with an estimated variable cost of Rs. 4.36/unit (further subject to fuel price adjustment on month-to-month basis) making the composite cost of Rs. 5.36/unit.

The plant has so far not completed its useful life as the normal life of Gas Turbine Plant is 15 years.

Unit No	Capacity in MW	Date of Commissioning
GT-1	104	May 2002
GT-2	104	Nov. 2002
STG	122	March 2003

Director (Operations), DTL informed that Loop-In-Loop-Out of one ckt. Of 220kV Pragati ó Sarita Vihar at Maharani Bagh is expected before summer 2016 and other circuit by summer 2017. The ISTS at RPH is also expected by summer 2017. The adequate transmission system to get rid of present 330MW capacity at Pragati can be expected by summer 2017.

Considering the overall system, the Forum was of the view that full generation of Pragati Stage-I be maintained during summer months and the gas allocation of entire station be diverted to Bawana CCGT during the period October to March till the ISTS is commissioned at RPH as the Bawana CCGT generation cost is cheaper than Pragati Stage-I being high efficient plant as under:-

Provisional Fixed Charges in Crores per year	Fixed Charges at 85% PLF in Ps/Unit	Variable cost in PS/Unit				
		Apr 2014	May 2014	June 2014	July 2014	Aug 2014
1200	121	306	283.90	313.40	288.40	317.40

Variable cost in PS/Unit						
Sept 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Total 2014-15 (Total cost fixed and variable)
307.60	292.60	309.20	313.00	319.30	313.10	426.81

After the commissioning of 400kV ISTS at RPH with outlets at RPH, the entire Pragati Stage-I station may be closed down if the generating company could not assure the cheap gas to run the plant, to get rid off the fixed charges liabilities for non utilization period.

c) Closure of IPGCL's GT Station

Distribution utilities intimated that the cost of GT Station of IPGCL is very high (about Rs. 5.50/-) as evident hereunder:-

Fixed Charges in Crores per year	Fixed Charges at 80% PLF in Ps/Unit	Variable cost in PS/Unit				
		Apr 2014	May 2014	June 2014	July 2014	Aug 2014
192.99	105	389.00	419.20	532	632	420.10

Variable cost in PS/Unit						
Sept 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Total 2014-15 (Total cost fixed and variable)
465.80	351.20	358.10	372.90	553.20	416.70	551.38

They further requested the closure of the station immediately. They also informed that the plant has already completed its useful life as evident from the date of commissioning of units :

Unit No	Capacity in MW	Date of Commissioning
GT-1	30	17.06.1986
GT-2	30	20.06.1986
GT-3	30	11.08.1986
GT-4	30	03.09.1986
GT-5	30	11.11.1986
GT-6	30	20.11.1986
STG-1	30	24.04.1996
STG-2	30	12.08.1997
STG-3	30	27.12.1996
Total capacity	270	The station as whole ó 12.08.1997

SLDC informed that this is the only station having Black Start facility and hence two block of GT i.e. 150MW during summer months April to October and one block (75MW) during November to March be made available. Balance gas be diverted to Bawana CCGT.

Discoms were of the view that there is no technical constraint in closing down if not now but definitely after September 2015. Black Start is a very rare incident and for that purpose running the plant throughout the year and burden the consumer is neither justified and nor desirable. In case, it is required to be in operation for ensuring black start facility, only one block i.e. two GTs and one STG is sufficient. Rest two blocks should be closed down forever from October 2015 and gas allocation should be diverted to Bawana CCGT.

It was also pointed out that as per ARR filed by IPGCL for the year 2015-16, they have claimed the fixed cost of Rs. 198.24 Crores per annum with an estimated variable cost of Rs.3.73 / unit (further subject to fuel price adjustment on month-to-month basis) making the composite cost of Rs. 4.81/unit.

The Forum was of the view that the decision of closing of GT Station be left to State Government considering the black start facility available and the overall interest of the consumers.

d) Closing down of BTPS

This plant is one of costliest sources. Moreover, plant has outlived its life and age of the units is 30-40 years. Out of five units of BTPS, 3X95 units are very old and highly inefficient. The cost of the generation is as under:-

Fixed Charges in Crores per year	Fixed Charges at 85% PLF in Ps/Unit	Variable cost in PS/Unit				
		Apr 2014	May 2014	June 2014	July 2014	Aug 2014
411.67	86	444.50	459.00	473.50	467	462.80

Variable cost in PS/Unit						
Sept 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	Feb 2015	Total 2014-15 (Total cost fixed and variable)
463.50	446.00	443.10	451.60	508.70	482.23	549.81

The life of the station has already exhausted as evident from date of commissioning of units:-

Unit No	Capacity in MW	Date of Commissioning
1	95	26.07.1973
2	95	05.08.1974
3	95	29.03.1975
4	210	02.12.1978
5	210	25.12.1981

All the Discoms including NDMC and MES is of the view that BTPS should be closed from October 2015 considering its very high cost and already completed its useful life. Further, it was informed that BTPS is going for Renovation and Mordernization activities at the cost of around at Rs. 741/- Crores as per the CERC order dated 12.05.2011 in petition no.324/2009 which will further enhance the cost of generation at BTPS. As per the order, it was suggested that both the units of 210MW machines would be renovated for extension of its life by 20 years more. It was also suggested in the tariff of BTPS issued by CERC that 95MW units should be phased out and the minimum capital should be infused for ensuring their operation till the units are fully phased out. Discoms requested that Delhi Govt. should take immediate steps to stop such R&M activities to reduce the burden on consumers.

SLDC intimated that at present, the closing of BTPS during summer season would severely affect the power supply as the import source at BTPS apart from the generation is 220kV Ballabhgarh ó BTPS Double Circuit line owned by BBMB. The lines are quite old and restricted capacity is 150MW each. In the present conditions, even with full generation during peak summer, the lines are getting loaded beyond 150MW capacity and in case of closure, the loading on the circuits would cross more than 450MW each which would not survive the system. The transmission system can be improved only after commissioning of 400kV Tuglakabad System which is being established under Inter State Transmission System (ISTS) and commissioning of 220kV outlet from the station. As such, during summer months, particularly May to September, full generation i.e. 600MW is required to be ensured. From the past experience, it is evident whenever any machine at BTPS of 210MW capacity goes under shut-down, load shedding was inevitable during summer months. As such, for system stability point of view, the plant should run till the commissioning of 400kV ISTS at Tuglakabad which is expected by March 2017 as per the present indications.

The beneficiary Discoms further insisted that if not possible to close entire plant, at least all 3X95MW units should be closed permanently after September 2015.

Director (Operations), DTL cautioned that even at present, only 20-30% internal generation (load centre based) is available in Delhi and any further reduction in generation at load centres, the reliability of power supply would definitely affected. He also cautioned that the operation of much publicized Delhi Islanding Scheme which was devised to safely island Delhi Power System from the Grid in the case of Grid eventuality would be affected severely in case of closing down of all such load centre based generation.

SLDC representative substantiated the statement of Director (Operations) and presented the contribution of Delhi generation at the time of occurrence of peak during 2014-15 as under:-

All figures in MW

Details	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
Peak Demand met	4418	5338	5533	5925	5507	4882
Shedding at the time of Peak Demand	0	20	155	81	82	0
Date	30.04.14	30.05.14	19.06.14	15.07.14	27.08.14	18.09.14
Time (HRs)	16:32:00	15:41:31	14:46:07	15:20:20	22:49:14	22:53:58
Generation within Delhi						
RPH	52	89	93	102	47	82
Gas Turbine	136	121	166	176	141	149
Pragati-I	84	129	273	277	287	265
Bawana CCGT	216	-3	456	266	611	289
BTPS	241	517	400	573	292	312
Rithala	0	0	0	0	0	0
Timarpur Okhla Waste Management	14	16	16	12	10	12
Total generation within Delhi	743	869	1404	1406	1388	1109
Drawal from the Grid	3675	4469	4129	4519	4119	3773
Scheduled Drawal from the Grid	3437	4283	4170	4360	4009	3612
Over drawal (+) / Under Drawal (-)	238	186	-41	159	110	161
Generation in % age within Delhi w.r.t. Peak demand met	16.82	16.28	25.38	23.73	25.20	22.72

Details	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15
Peak Demand met	4570	3408	4271	4405	3847	3587
Shedding at the time of Peak Demand	0	0	0	44	0	0
Date	07.10.14	07.11.14	26.12.14	09.01.15	06.02.15	27.03.15
Time	22:59:50	18:22:27	10:41:35	10:22:23	10:09:58	19:21:45
Generation within Delhi						
RPH	0	0	0	38	38	43
Gas Turbine	111	77	83	83	119	77
Pragati-I	294	263	305	285	160	276
Bawana CCGT	295	311	489	575	329	305
BTPS	423	329	390	384	162	220
Rithala	0	0	0	0	0	0
Timarpur Okhla Waste Management	16	2	0	0	0	18
Total generation within Delhi	1139	982	1267	1365	824	935
Drawal from the Grid	3431	2426	3004	3040	3023	2649
Scheduled Drawal from the Grid	3219	2458	3148	2871	2959	2681
Over drawal (+) / Under Drawal (-)	212	-32	-144	169	64	-32
Generation in % age within Delhi w.r.t. Peak demand met	24.92	28.81	29.67	30.99	21.42	26.07

The representatives of the Distribution utilities opined that considering the massive corrective steps taken by all utilities after the 30th and 31st July 2012 Grid Disturbances occurred in country and considering the much improved stability of power system, the possibility of occurrences of such Grid disturbances for which Islanding Schemes are devised, are remote. As such, to take care of such remote chances of Grid eventualities, it is not proper to force the Distribution utilities to utilize such costlier generation thereby burdening the consumers.

CWE(U), MES emphasized that PGCIL which is implementing ISTS at RPH and Tuglakabad and DTL who is the implementing agency for associated downstream transmission system should be made responsible to implement the respective systems as per stipulated time or should be pressurized to be implemented before time as is being done in case of Military System to get rid off the costly generation.

It was also emphasized that the reallocation of capacity of 3X95MW units of BTPS i.e. 285MW out of 705MW total installed capacity may be pursued with Central Government after September 2015. 285MW capacity allocation was made to Madhya Pradesh from 01.10.14 to 31.03.15 by the Central Government. However, on the request of Madhya Pradesh, the Central Govt. restored the allocation back to Delhi from 26.12.2014. Such allocation would always be beneficial as the benefit of generation at load centre can be availed by Delhi. If the plant can not be closed down

now, the Central Govt. may be persuaded to allocate the 285MW capacity to needy states from 01.10.2015 forever.

Considering the overall views, the Forum decided to recommend the State Govt to take up the matter with NTPC to avoid infusion of additional funds for R&M activities for already outlived inefficient plant. It was also decided to request the State Govt to impress upon the Central Govt. to reallocate 285MW capacity as was done during the period 01.10.2014 to 25.12.2014, for forever. The reallocation of power would not only reduce the fixed cost liability but also would not create system constraints as the plant would actually in operation. If that possibility does not succeed, it would have no option but to close the 3X95MW units during October to March till the commissioning of ISTS and associated transmission system at Tuglakabad. The possibility of decommissioning of 95MW capacity after 30.09.2015 should also be studied considering overall system improvement works being undertaken by DTL.

e) **Closure of Rithala CCGT**

The Rithala CCGT Plant commercially declared commissioned as under:-

Unit	Capacity in MW	Date of commissioning	Date of commercial operation
GT-1	31.6	06.12.2010	05.02.2011
GT-2	31.6	03.10.2010	05.02.2011
STG	31.6	08.07.2011	04.09.2011
Total	94.8		Total station : 04.09.2011

Due to non availability of Gas since last two years, the station is not in operation. TPDDL representative informed that neither the tariff nor the PPA has been approved by DERC although petition in this matter has been submitted in DERC in 2009.

It was further informed that even during operation of the plant, full cost was not allowed in the ARR of TPDDL but on the contrary during the time of over drawl, pooled purchase cost was allowed whereas during under drawal, UI cost was allowed. It was also clarified that they have claimed the fixed charges of Rs. 96 Crores per annum but still pending in DERC. SLDC informed the generation details of Rithala plant as under:-

Year	Gross generation in	PLF in %age	Remarks
2010-11	30.5734	34.48	The gross generation for the year 2010-11 was 84.8087MUs considering the infirm power also.
2011-12	237.4850	29.10	
2012-13	130.0600	6.84	
2013-14	-1.23	Plant is completely under shut-down	
2014-15	-0.96		

Considering the overall situation of gas in the country and to avoid the burdening the fixed charges, through it is not approved, but still the claim is alive, the Forum advised TPDDL to de-commission the plant immediately.

Inter State Generating Stations

- i) On the recommendations of Delhi Power Procurement Group, one of the costliest sources namely Aravali Jhajjar allocation to Delhi i.e. 693MW capacity has been reallocated to needy states upto 31.03.2016.
- ii) From 756MW capacity allocation of Delhi out of 840MW installed capacity of Dadri (Thermal) Stage-I, 180MW (TPDDL share) has been reallocated to Bihar during the period from 10.09.2014 to 31.08.2015.
- iii) 260MW capacity allocation of Dadri (Thermal)-II, (100MW share of TPDDL and 161MW share of BRPL out of 735MW capacity) out of total 980MW capacity of the station has been reallocated to Bihar from 14.11.2014 to 31.03.2015.
- iv) There is no technical constraint in surrendering of any the share of Central Sector Generation Stations outside Delhi.
- v) The costlier source of thermal and gas generation should be surrendered during the period October to March every year to get rid off fixed and variable charges liabilities. The details of costlier gas and thermal stations (more than Rs. 4 above) are as under:-

Name of the station	Capacity of the station in MW	Capacity allocation to Delhi in MW	Fixed charges in Rs. Crores per annum	Fixed charges in Ps/Unit	Variable Charges in Ps/Unit	Total in Ps/Unit
Dadri (Th)-I	840	756	520	91	437	528
Dadri (Th)-II	980	735	1100	160	380	540
Anta (GPS)	419	44	214	71	351	421
Auriya (GPS)	663	72	253	53	422	475
Dadri (GPS)	830	91	325	54	420	474

- vi) To meet the shortfall, which may occur in maximum 12 hours in a day may be met from day ahead purchases from Power Exchanges depending upon the requirement.

- vii) As per the Market Monitoring Cell Report available in the website of CERC, the power market rate in the exchange during the April 2014 to December 2014 was as under:-

Month	Max rate in Rs. / Unit	Min rate in Rs/Unit	Weighted Average rate in Rs/Unit
Apr 2014	15.00	1.78	3.42
May 2014	20.00	1.55	3.26
Jun 2014	10.62	1.32	3.71
Jul 2014	19.00	1.07	3.50
Aug 2014	10.80	1.00	4.33
Sep 2014	8.51	1.17	4.14
Oct 2014	20.00	1.10	4.33
Nov 2014	20.00	1.37	2.97
Dec 2014	20.00	1.10	3.85

From the above, it would be prudent to purchase power from market for shortage period which is not more than 12 hours during winter month rather than keeping the allocation forcing the purchase on round the clock basis upto technical minimum level of 70% of the capacity.

Views of different Discoms regarding reallocation of power from various stations were as under:-

- i) BRPL, BYPL and TPDDL who have the shares from Dadri Gas, Anta Gas and Auriya Gas have proposed reallocation of their entire allocation from these stations from October 2015 permanently due to the fact that these stations generates 40% of its capacity due to non availability of gas and Discoms have to bear 100% fixed cost of these stations thereby burdening of consumers.
- ii) NDMC which is having allocation from Dadri (Thermal) Stage-I unit has expressed their desire to surrender NDMC's share during October to March.
- iii) BRPL proposed to surrender 200MW from Dadri (Thermal)-II but desire to keep its full share from Dadri (Thermal)-I considering the shortages during October to March. Further they expressed that the rate of day ahead of bilateral power during peak hours is more than the total cost of power from the station as evident from the above table.
- iv) TPDDL also proposed to surrender 200MW from Dadri (Thermal)-II but desire to keep its full share from Dadri (Thermal)-I considering the shortages during October to March due to reasons mentioned above.
- v) BYPL does not intend to surrender any power from Dadri (Thermal)-I & II due to ongoing regulations of power from DVC, SJVN etc.

In case of above proposals are materialized, the power position supply position for October 2015 ó March 2016 is likely to be as under:-

All figures in MW

Sources	October		November		December	
	Off Peak	Peak	Off Peak	Peak	Off Peak	Peak
Demand (2014-15)	3200	4570	1800	3408	1800	4271
Expected Demand 2015-16	3350	4800	1850	4000	1850	4100
Availability within Delhi						
RPH	0	0	0	0	0	0
GT	75	75	75	75	75	75
Pragati	0	0	0	0	0	0
Bawana	300	300	300	300	300	300
BTPS	350	350	350	350	350	350
TOWMCL	8	8	8	8	8	8
Total	733	733	733	733	733	733
Central Sector	1939	2239	1739	2239	1739	2239
Sasan	360	360	360	360	360	360
Bilateral						
DVC	300	300	300	300	300	300
Maithon	280	280	280	280	280	280
CLP Jhajjar	120	120	120	120	120	120
Total bilateral (DVC, Maithon, CLP Jhajjar)	700	700	700	700	700	700
Total Availability	3732	4032	3532	4032	3532	4032
Balance to be purchased	-382	768	-1682	-32	-1682	68

Sources	January		February		March	
	Off Peak	Peak	Off Peak	Peak	Off Peak	Peak
Demand	1500	4405	1500	3847	1500	3587
Expected Demand 2015-16	1600	4250	1600	3900	1600	3800
Availability within Delhi						
RPH	0	0	0	0	0	0
GT	75	75	75	75	75	75
Pragati	0	0	0	0	0	0
Bawana	300	300	300	300	300	300
BTPS	350	350	350	350	350	350
TOWMCL	8	8	8	8	8	8
Total	733	733	733	733	733	733
Central Sector	1739	2239	1739	2239	1739	2239
Sasan	360	360	360	360	360	360
Bilateral						
DVC	300	300	300	300	300	300
Maithon	280	280	280	280	280	280
CLP Jhajjar	120	120	120	120	120	120
Total bilateral (DVC, Maithon, CLP Jhajjar)	700	700	700	700	700	700
Total Availability	3532	4032	3532	4032	3532	4032
Balance to be purchased	-1932	218	-1932	-132	-1932	-232

Note :

1. (+) indicates shortage; (-) indicates surplus.
2. No power regulation is assumed in the above computations.
3. In case of outage/maintenance of any sources, additional arrangement is to be done.

In view of the above, Forum decided the following :-

- i) **The entire allocation of Delhi from Anta, Auriya and Dadri Gas Stations to be reallocated to needy states forever from October 2015.**
- ii) **125MW (NDMC share) of Dadri (Thermal)-I be reallocated to needy states from October to March.**
- iii) **400MW (share of TPDDL and BRPL) from Dadri Thermal Stage-II be reallocated to needy states from October to March.**
- iv) **All the Distribution Companies should make sufficient arrangements of power to meet the demand in the event of reallocation of power as mentioned above to avoid any load shedding in Delhi.**
- v) **SLDC was advised to intimate the above decisions to the State Govt.**

Meeting ended with thanks to Chairs.