

भारत सरकार
उत्तर क्षेत्रीय विद्युत समिति
18-ए, शहीद जीत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली - 110016
Government of India
Northern Regional Power Committee
18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016

सं. उक्षेविस/अधी.अभि.(वा.)/12- वा.उ.स/09/ 2040-76
No. NRPC / SE(C) / 12-CSC / 09/

दिनांक : 23 जून, 2009

Dated : 23rd June, 2009

सेवामें,

To,

वाणिज्यिक उप-समिति के सदस्य
(संलग्न सूची के अनुसार)
Members of Commercial Sub-committee
(As per list attached)

विषय: वाणिज्यिक उप-समिति की 12 वी बैठक का कार्यवृत्त ।

Subject : 12th meeting of Commercial Sub-committee- Minutes.

महोदय,

Sir,

वाणिज्यिक उप-समिति की 12 वी बैठक सोमवार दिनांक 8 जून, 2009 को कुफरी होलिडे रिसोर्ट, कुफरी, शिमला में आयोजित की गयी थी । इस बैठक के कार्यवृत्त की एक प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है ।

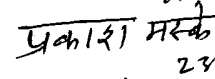
The 12th meeting of Commercial Sub-committee was held on 8th June, 2009 at Kufri Holiday Resort, Kufri, Shimla. A copy of the minutes of the meeting is enclosed here with for favour of information and necessary action please.

अनुलग्नक - यथोपरि ।

Encl. : As above.

भवदीय

Yours faithfully,


23/6/2009

(प्रकाश मस्के)

(P.S. Mhaske)

अधीक्षण अभियंता (वाणिज्य)

Superintending Engineer (Commercial)

Northern Regional Power Committee

SUMMARY RECORD OF DISCUSSIONS

OF

12th MEETING OF COMMERCIAL SUB-COMMITTEE

The list of Participants is enclosed at Annex-I

Director (Electrical), SJVN, Shri R.P. Singh welcomed the participant of 12th Commercial sub committee meeting. He thanked NRPC for giving opportunity to SJVN for hosting Commercial Sub-Committee meeting. GM (Commercial and System Operation), SJVN, Shri R.K. Aggarwal, made a presentation on current status of SJVN's projects and performance of Nathpa Jhakri Power Project. He requested Member Secretary, NRPC to start proceeding of meeting. Shri A.K. Aggrawal, Member Secretary, NRPC welcomed members of the Commercial Sub-committee as well as other participants. He thanked SJVN for making excellent arrangements for the meeting at Kufri, Shimla. With these remarks, he requested Shri P.S. Mhaske, Superintending Engineer (Commercial), NRPC to take up the agenda for discussion.

A . C O N F I R M A T I O N O F M I N U T E S

CONFIRMATION OF MINUTES OF 12th MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC:

The minutes of 11th meeting of Commercial Sub-committee held on 9th March, 2009 were circulated vide letter No. NRPC / SE(C) /11-CSC / 09 / 1013-52 dated 8th April, 2009. Since, no comments have been received on the minutes, the Sub-committee approved the minutes of 11th Commercial Sub-committee meeting.

I T E M S F O R D I S C U S S I O N

B. FOLLOW UP ACTION

B.1. ERRONEOUS RECORDING OF DATA BY SEMs.

The constituents gave following feedback in regards to the action taken by them to eliminate the continued erroneous recording of energy by following meters:

- i) *High negative losses are being observed on 220 kV Dehar-Kangu (8-10 %). CT/CVT supply at BBMB Dehar and HP Kangu need to be checked up on the above line.*

HPSEB representative informed that orders to procure CVTs could not be placed on the date informed during the 11th sub-committee meeting.

The retendering had been done and delivery of new CVTs would be expected by December, 09.

- ii) *High negative losses are observed on 220 kV PDD Hiranagar-PSEB Sarna line. Necessary action may kindly be taken for the investigation of above Discrepancy. Also, the CT and CVT supplies to the meters installed at both the ends may please be checked and reported to NRLDC.*

PSEB informed that POWERGRID had replaced the meter on 1st June'09. NRLDC stated that this discrepancy might be dropped from the agenda at present. They would monitor the meter readings and in case the discrepancy appears again, it could be viewed as new instance. Members agreed with the suggestion of NRLDC.

- iii) *The Standby meters (installed on lines) are reading less than the Main Meters (installed on Generators) by 4 to 5 % at BBMB Kotla. Letter was received from BBMB and wherein it was clarified that CVT is defective on 132 kV Ganguwal-Kotla line 1 & 2 and same will be replaced soon.*

BBMB informed that tendering process has been completed and procurement action initiated. The CVTs would likely to be delivered at site by February'2010. On the issue of using bus CVT for supplying power to SEMs, BBMB informed that the supply to meters in their system was through line CVTs only, no bus CVT was used. In case of Jamalpur S/S only the supply was through Bus CVTs which had been rectified.

B.2 OUTSTANDING DUES:

B.2.1 UI charges outstanding against J&K:

Representative of NRLDC informed that, as on 6th June 2009, J&K was UI receivable of Rs. 74.50 crore, while it has to pay Rs. 206.42 crore against interest on late payment of UI charges. He further stated that the J&K would continue to remain on receivable side till onset of winter. He therefore suggested that the UI receivable of J&K could be adjusted against the interest payable by J&K till the interest on late payment of UI charges payable by it get liquidated. The amount so adjusted could then be paid to the constituents who were to receive interest as per calculations by NRPC secretariat.

As J&K representative was not present in the meeting, the latest status could not be ascertained. MS, NRPC informed that J&K representative could not join the meeting due to unfavourable conditions at Srinagar. With regard to interest payment by J&K for the period 2004-08, he stated that the CERC in its order dated 11.05.2009 had allowed time to J&K up to 30.9.2009 for interest payment.

Members agreed to the suggestion of NRLDC and decided to refer the issue to NRPC.

B.2.2 UI charges outstanding against UP:

NRLDC informed that as on 6th June 2009, UP was to receive Rs. 0.56 crore as per ceiling UI rate of Rs.7.45 per unit as per High Court of Allahabad order and as per CERC order, UP was to Pay outstanding UI charges of Rs. 214.30 crore.

UP representative informed that they had been paying UI charges as per High Court orders. He further intimated that no fresh proceedings had been held in High Court and the court case was still pending.

B.2.3 UI charges outstanding against Uttarakhand:

NRLDC informed that as on 6th June 2009, the outstanding UI charges against Uttarakhand were Rs. 71.20 crore.

Uttarakhand representative intimated that they would make the payment by the end of June 2009.

B.2.4 Reactive energy charges outstanding against J&K:

NRLDC informed that as on 6th June 2009 the outstanding reactive energy charges against J&K were Rs 43.74 crore.

J&K representative was not present in the meeting to update the latest status in the matter.

B.3 DELAY IN SUBMISSION OF SEM DATA BY CONSTITUENTS TO NRLDC:

SE (Commercial), NRPC intimated to the members the list of stations from where SEM data was received late in last two months in NRLDC. Most of the delays were from UP stations. MS, NRPC giving emphasis to the time, asked UPPCL to explain the reasons for delay in submission of SEM data. Representative of UPPCL assured to revert back in the matter in weeks time.

Representative of HPSEB suggested that, since most of the meter locations were having connectivity with SCADA system, the existing SCADA could be used to transfer the SEM data from stations to NRLDC. He also suggested that Automatic Meter Reading (AMR) system could be introduced for fast data collection.

NRLDC and othe constituents agreed with the views of HPSEB on AMR from SEMs. It was decided to constitute a sub-group as follows for exploring the modalities for implementation of AMR from SEMs.

- | | | |
|--------------|---|--|
| 1. NRLDC | - | Sh. P.K. Aggrawal (DGM-IT) |
| 2. POWERGRID | - | Sh. Y.P. Singh (CM) |
| 3. HP | - | Sh. Sunil Grover, Director(PR) |
| 4. NRPC | - | Sh. P.S. Mhaske, SE (Comml) - Convener |

B.4 TIME CORRECTION OF SEMs

NRLDC intimated that as per latest status 201 meters required time correction. On query regarding quantum of time mismatch, NRLDC stated that only BBMB had been regularly submitting the data of time mismatch. They did not have status of time mismatch in SEM located in other constituents' locality. They had requested the constituents number of times to furnish the data on time mismatch along with SEM meter reading on weekly basis. They also stated that the methodology for time correction in SEM was circulated in the last sub-committee meeting held on 9.3.2009 and also available on NRLDC web site.

MS, requested requested all the constituents to furnish the details of time mismatch on weekly basis to NRLDC giving GPS time and actual Meter time so that exact time difference can be ascertained and corrective action could be taken.

On the issue of replacement of SEM having large time mismatch in Uttarakhand, POWERGRID intimated that they had not received any request from UPCL in the matter. UPCL representative was asked to take up matter with PTCUL and send the request to POWERGRID through NRLDC for replacement such SEM.

HPSEB representative requested for a training program for officers to tackle with SEM problems. Since, in Northern Region all the meters were of L&T make, the training could be arranged from them.

MS, NRPC assured to the members that the training module on SEMs would also be included in the training programme going on through Reactive Energy fund.

B.6 INTEREST LIABILITY ON DELAYED /OUTSTANDING UI PAYMENT (2004 to 2007-08)

SE (Commercial), NRPC informed that the interest on delayed payment/receipt of UI charges by the constituents for the years 2004-05, 2005-06, 2006-07 and 2007-08 had been calculated based on the mechanism/methodology approved in the 138th NREB meeting held in June 2005 and reconciliation done by the constituents of date and amount available in the statements of NRLDC. He further stated that the above matter was also discussed in the 12th NRPC meeting held on 22.4.2009. Two weeks time time was given furnish comments by constituents on the dates & amount and settle

the interest calculations with NRPC secretariat/NRLDC. He also stated that the the calculation for interest had been revised based on the comments received and discussions with the constituents, the abstract of which was furnished in the agenda of the sub-committee. The constituents were requested to make payments in the UI Pool Account maintained by NRLDC by 1.6.2009. In respect of J&K the date for payment of interest was 30.9.2009 as per CERC order dated 11.5.2009.

NRLDC informed that no payment against interest had been received in the UI pool Account.

Representative of UPPCL stated that UPPCL vide letter dated 25.5.2009 had already requested MS, NRPC to allow them to pay interest on delayed payment of UI charges in 12 monthly installemt starting from June, 2009. It was clarified to UPPCL that the matter raised by them needs to be taken up with Central Electricity Regulatory Commission (CERC) for claiming the relief.

Members of the sub-committee requested UPPCL to liquidate interest on delayed payment of UI charges immideately so that the same could be disbursed to the constituents who were to receive the interest amount. Representative of UPPCL assured to take up the matter with their management.

In respect of interest payable by J&K, as suggested by NRLDC, it was decided that the current UI receivable (Rs. 74.50 crore) as well as receivables during the subsequent weeks by J&K as per weekly UI accounts, could be adjusted against interest payable by them, till the entire interest payable by J&K get liquidated.

Representative of NTPC stated that in the interest calculations for the year 2006-07 onward, the ineterst on delayed UI receivable had been calculated after Four days from stipulated period of 12 days from account issue date. However, as per IEGC, three working days required to be considered. MS, NRPC clarified that the matter was discussed in the 12th NRPC meeting held on 22.4.2009 and NTPC had not raised this issue. He also stated that as directed by CERC, the mechanism/methodology approved in the 138th NREB meeting held in June 2005 for calculations of interest on UI charges which was adopted by NRPC secretariat had already been furnished to CERC.

Representative of HPSEB stated that matter regarding mechanism / methodology adopted for interest calculations had already been deliberated and approved in the NRPC meeting and therefore should not be opened in the Sub-committee meeting.

Members of the sub-committee opined that the matter had already been delayed and decided not to reopen the issue again as the same was finalized by NRPC.

C . N E W I T E M S

C.1 DELAY IN RELEASE OF PAYMENT OF THDC's MONTHLY ENERGY BILLS BY PDD, J&K :

J&K representative was not present in the meeting.

Representative of THDC informed that the **Energy Bill for the month** Feb, March and April 2009 amounting to Rs. **18.4 crore and** fourth instalment of Income Tax Bill (Rs.48 lac) and late payment surcharge (Rs.41 lac) were outstanding against PDD, J&K. The THDC being single Generating Station Organisation was facing serious financial problems on account of delay in release of payment of monthly bills by J&K.

THDC further stated that PDD, J&K should be asked to send their representative in the sub-committee meeting to reply the queries. PDD, J&K was also, not responding to their letters.

THDC also added that UP was also having outstanding of Rs. 62 crore. He requested MS, NRPC to take up the matter with J&K and UP in the matter.

POWERGRID informed that they also had Rs. 82 crore outstanding against J&K for the transmission charges.

THDC intimated that J&K was not honouring PPAs. Representative of NTPC informed that J&K was also not following Tripartite Agreement.

Since J&K representative was not present in the meeting, the status in the matter could not be ascertained.

C.2 OUTSTANDING DUES AGAINST PDD, J&K:

NHPC updated that outstanding amount on account of energy supplied upto March 2009 to PDD, J&K as Rs. 89.5 crore.

Since J&K representative was not present in the meeting, the status in the matter could not be ascertained.

NHPC also intimated that there was outstanding dues of Rs. 106.25 crore against UP.

C.3 OUTSTANDING DUES AGAINST PDD, J&K and DTL:

Representative of SJVNL informed that the energy bills outstanding against J&K piled up to a value of Rs. 63 crore. Revolving LC of their bankers was also not submitted after revalidation in accordance to PPA. He also stated that J&K was not honouring PPAs.

On the issue of outstanding against DTL, representative of DTL stated that responsibility of power purchase now lies with DISCOMs. The outstanding amount of SJVNL had already been approved by the State Electricity Regulator under the ARR of DISCOMS. DTL would pay outstanding dues to SJVNL as and when received from DISCOMs.

C.4 ABT ACCOUNTING SOFTWARE:

SE (Commercial), NRPC intimated that existing energy accounting software was not compatible with the new Windows operating system (Windows Vista). Thus, there was a need of new energy account software to take care of latest technology and huge database handling. He suggested that Expression of Interest (EOI) could be floated for the software development.

Representative of HPSEB suggested that instead of calling an EOI from software companies, hiring of some software programmers from DOEACC Society, an autonomous society under Ministry of Communication & IT, GOI and development of required software through them would be cheaper option. In this arrangement, source code would also be available with Secretariat staff for any modification in the software as when required. HPSEB informed that they had also engaged software personnel from DOEACC Society.

All the members agreed with suggestion of HPSEB. It was decided to appoint two nos. software programmers from DOEACC centre in NRPC Secretariat for development of energy account Software, other application softwares & its subsequent maintenance.

C.5 INTEREST CALCULATION FOR LATE PAYMENT OF UI CHARGES FOR THE YEAR 2008-09:

SE (Commercial), NRPC informed that the interest payable and receivable on UI charges for the year 2008-09 had been calculated based on the same methodology adopted for the years 2004-05 to 2007-08 and approved in the 12th NRPC meeting held on 22.4.2009. He further stated that the constituents were requested to furnish their comments on the calculations by 15.06.09. Comments had been received only from HPSEB and NTPC.

Other constituents were requested to furnish their comments in time to enable NRPC Secretariat to finalise the calculation and put up the matter to NRPC in its meeting scheduled on 27th June, 2009. **The constituents assured to furnish their comments by 15.6.2009.**

MS, NRPC stated that as per the recommendations of sub-group constituted to work out methodology for calculations of UI interest which was approved by the NREB in June 2005, the reconciliation of the date & amount and interest calculations was to be done on quarterly basis. He suggested that for the year 2009-10 onward the interest calculations would be done on quarterly basis.

For example for the first quarter of the financial year i.e. April to June, NRLDC would put the details of UI payable / receivable data on date of payment / disbursal on their website by the end of July for comments by the constituents. The constituents would furnish their comments by 20th August. Taking in to consideration all the comments, NRLDC would submit the reconciliation statement to NRPC secretariat by end of August for calculation of interest in the secretariat. NRPC secretariat would complete the calculations and put up for approval in Commercial sub-committee and NRPC meetings. After the approval of NRPC, calculations would be freezed and constituents would pay UI interest within 10 days from the date of approval in the NRPC meeting. Similar time line would be followed for the subsequent quarters.

MS, NRPC further mentioned that as per new regulations of CERC on UI charges, no matching of interest payable and receivable would be done as was being done in the past. The surplus amount would go to "UI pool surplus account".

Members agreed with the suggestions of MS, NRPC.

C.6 INTEREST ON LATE PAYMENT OF REACTIVE ENERGY CHARGES:

SE (Commercial), NRPC intimated the interest payable and receivable on late payment of reactive energy charges for the years 2002-03(from Dec 2002) to 2008-09 had been calculated based on the methodology approved by NREB in its 138th meeting held on 29th June, 2005. The detailed calculations of interest on late payment of Reactive Energy charges had also been forwarded to the constituents on 19.5.2009 for comments latest by 31.5.2009. The calculations were also placed on NRPC website. He also informed the interest payable and receivable on Reactive Energy charges by the constituents for the year 2002-03(from Dec 2002) to 2008-09 as given below:

	Rs.in crore	
	Interest Payable	Interest Receivable
J&K	32.29	0.00
UP		4.31
DTL		2.28
CHANDIGARH		1.13
HIMACHAL PRADESH		1.06
RAJASTHAN		4.93
PUNJAB		4.66
HARYANA		13.92
Total	32.29	32.29

SE (Commercial), NRPC also informed that so far comments had been received from HP only.

Constituents requested for more time for sending the comments on calculations. **On request from the constituents it was decided to extend**

date for sending the comments to 15th June 2009, after which calculations would be frozen.

C.7 PAYMENT OF TRANSMISSION CHARGES FOR INTER-STATE TRANSMISSION

SE (Commercial), NRPC stated that as per Regulation 23(4) of Central Electricity Regulatory Commission (Terms & condition of Tariff) Regulation, 2009, the transmission Licensee is to raise bill for transmission charges (inclusive of incentive) for a month based on its estimate of Transmission System Availability Factor (TAFM) for the month and adjustment, if any, had to be made on the basis of TAFM to be certified by the Member Secretary of RPC within 30 days from the last day of the relevant month. He explained the time line proposed to streamline the process of certification of TAFM by Member Secretary.

After detailed deliberations, following methodology was approved:

- i) POWERGRID would send the Transmission System Availability data to NRLDC with copy to NRPC by 2nd of the month.
- ii) NRLDC would put the data on its website on the same day and invite comments on the data from constituents within 10 days. In case of non-receipt of the comments by this time period, it will be taken, as no comments from constituents.
- iii) NRLDC would then verify the data taking into account the comments received from the constituents and furnish the same to MS, NRPC by 18th day of the month.
- iv) MS, NRPC would certify the TAFM by 25th of the month.

C.8 OUTSTANDING PAYMENTS AGAINST UT CHANDIGARH AND UPPCL by PSEB:

- a) **O&M charges for 220 KV Ganguwal- Mohali single ckt. Line and wheeling charges of power on 66 KV Mohali- Chd line up to 2003-04**

Representative of PSEB intimated that Electricity Department UT Chandigarh had to pay an amount of Rs 2,78,63,344/- to PSEB for O&M charges for 220 KV Ganguwal-Mohali Single Ckt. line and Wheeling Charges for Power on 66KV Mohali-Chandigarh line for the period up to 2003-04. He further stated that the amount had already been reconciled / accepted by Chandigarh.

Since no representative from Chandigarh was present in the meeting, status of payment could not be ascertained.

b) Outstanding Payments on various accounts by UPPCL

Representative of UPPCL requested PSEB to again forward the bill to UPPCL. **PSEB agreed to the request of UPPCL.**

C.9 NEW INSTANCES OF CONTINUED ERRONEOUS RECORDING OF DATA BY THE SEMs

The instances of continued erroneous recording of data by the SEMs due to improper CVT / CT inputs at certain locations, as per discrepancy report of NRLDC for the week **11th May, 2009 – 17th May, 2009** are given below:

- i) *CVT Supply to meter HP-29/NP-1583-A installed on 132 kV giri- Jagadhari feeders at BBMB Jagadhari is not proper since 06.08.2007. Readings are continuously * & low during the above period. However being the Standby meter, It's readings were not used to compute the drawl. It is informed by BBMB jagadhari that 2 numbers CVT installed on above line has been damaged on 20.05.2007 and replacement/repair of the same is under process. HVPNL Has informed in the 7th commercial meeting that power flow on this feeder is 0 since long and CVT will be repaired prior to power flow on the line. [Action: BBMB Jagadhari]*

BBMB informed the discrepancy pertains to HVPNL. Representative of HVPNL stated that they were not drawing any power through this line from last 3 years and decided not to draw any power on this line in future also. **It was, therefore, decided to drop this discrepancy.**

- ii) *CT/CVT Supply to meter JK-30/NP-5481-A installed on 220 kV Kishenpur-PG-1 at Barn-PDD is not proper from 1430 hrs block of 24.02.09 to 2345 hr block of 17.05.09. However being the standby meter, it's readings were not used during the above period for drawl calculation.*

CT/CVT Supply to meter JK-31/NP-5482-A installed on 220 kV Kishenpur-PG-1 at Barn-PDD is not proper from 1930 hrs block of 24.02.09 to 2345 hr block of 17.05.09. However being the standby meter, it's readings were not used during the above period for drawl calculation. (Problem Continues) [Action: PDD Barn]

NRLDC informed that CT wiring of the SEM had been reversed on 1st & 2nd June, 09. The response of the SEMs could be seen in next week's data. The fed back in this regard would be informed to NRPC secretariat in weekly discrepancy report.

C.10 NON PAYMENT OF DUES OF DTL

- a) **Non payment of High/Low frequency overlay bill by PDD (Jammu):**

The issue could not be discussed as representative of J&K was not present in the meeting.

b) Non payment of dues by NHPC:

NHPC intimated that the case was under process for approval of the management.

C.11 TRIPPING OF ALL TRANSMISSION LINES RESULTING STOPPAGE OF NJHPS GENERATION AND LEVY OF UI

SJVN informed that on 19th May, 2009 all running generating units of Nathpa Jhakri Hydro Power Station (NJHPS) were tripped at 16:37:04 hrs. He also informed that on going through the sequence of events, it was found that before tripping of generating units, all evacuation lines were tripped and units tripped on transmission constraint. In such case the scheduled generation of NJHPS required to be revised to actual generation for the purpose UI calculations.

NRLDC stated that the system analysis report was placed on the NRLDC web site.

HPSEB was of the view that this incidence needs to be critically examined since it also caused tripping of 300MW Baspa HPS alongwith 1500MW NJHPS.

After further discussions it was decided to refer the case to OCC meeting for investigation & report.

C.13 DATE AND TIME OF THE NEXT MEETING

Next (13th) meeting of the Commercial Sub-committee will be held in September, 2009. UPCL had agreed to host the meeting. Exact Date, time and Venue of the meeting would be intimated later.

List of participants of 12th Commercial Sub-Committee Meeting on 8.6.2009 at Kufri.

Sr No	Name of Officer	Designation	Organisation/Company
	S/Shri		
1	<u>DELHI</u>		
i	S. M. Verma	General Manager	IPGCL/PPCL
ii	Birendra Prasad	Manager	DTL
iv	Deepak Kumar Gajria	Dy. Manager(FIN)	DTL
v	Naveen Goel	Manager	DTL
vi	V. K. Goyal	Sr. Advisor	NDPL
2	<u>PUNJAB</u>		
i	Rajesh Kathpalia	Dy. Director	PSEB
3	<u>HARYANA.</u>		
i	M. L. Gupta	SE (Comml.)	HVPL
ii	B. K. Ashta	XEN (Comml.)	HVPL
iii	Atul Pasrija	DGM	HPPC, Panchkula
4	<u>RAJASTHAN</u>		
i	B. K. Makhija	Chief Engineer	RPPC, Jaipur
ii	A. K. Sharma	SE	RPPC, Jaipur
ii	N. K. Ojha	XEN	RPPC
iii	L. C. Agarwal	Sr. AO	RPPC
5	<u>HIMACHAL PRADESH</u>		
i	S. D. Rattan	Chief Engineer	HPSEB
ii	Suneel Grover	Director (PR)	HPSEB
6	<u>UTTAR PRADESH</u>		
i	Sudhir Kumar	Executive Engineer	UPPCL
7	<u>UTTRAKHAND</u>		
i	Prem Pakash Sharma	Chief General Manager	UPCL
8	<u>NTPC</u>		
i	Naresh Anand	DGM (Comml.)	NTPC
ii	R. P. Sharma	Manager	NTPC
9	<u>NHPC</u>		
i	C. P. Puri	Executive (Comml.)	NHPC
10	<u>BBMB</u>		
i	R. S. Lamba	Director (PR)	BBMB
11	<u>THDC</u>		

i	Ajay K Mathur	Addl. GM (Comml.)	THDC
ii	S. Goswami	Sr. Engineer (Comml.)	THDC
12	<u>SJVNL</u>		
i	R. P. Singh	Director (Electrical)	SJVNL
ii	R. K. Aggarwal	GM (Comml.)	SJVNL
iii	Prashant Kumar	DM	SJVNL
iv	Rajeev Aggarwal	Sr. Engineer	SJVNL
v	Maneesh Mahajan	Dy. Manager	SJVNL
vi	Sonia Dogra	Dy. Manager	SJVNL
13	<u>POWER GRID</u>		
i	B. P. Gantayat	GM (Comml.)	Powergrid
ii	Vineet Srivastava	Chief Manager (Comml.)	Powergrid
iii	N. L. Jain	Chief Manager (O&M)	CPCC-Powergrid
14	<u>NRLDC</u>		
i	D.K. Jain	DGM (Comml)	NRLDC
ii	Neeraj Kumar	Dy.Manager	NRLDC
15	<u>MALANA POWER CO LTD</u>		
i	Anil Kumar Garg	Asstt. General Manager	MPCL
ii	V. D. Bhatia	Vice President	MPCL
16	<u>JSW PTC</u>		
i	Manoj Rastogi	Dy. Gen. Manager	PTC
17	<u>NRPC</u>		
i	Ashok Kumar Aggarwal	Member Secretary	NRPC
ii	P.S. Mhaske	SE (Commercial)	NRPC
iii	Vikram Singh	EE(Operation)	NRPC
iv	B S Bairwa	AEE (Commercial)	NRPC