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भारत सरकार

उत्तरी क्षेत्रीय विद्युत समिति

18-ए, शहीद जीत सिंह मार्ग, कटवारिया सराय, नई दिल्ली-110016.

Government of India

NORTHERN REGIONAL POWER COMMITTEE

18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016.

पत्रांक : उक्षेविस/अधी.अभि.(वाणि)/विशेष--क्षे.वि.स/08/3215-50
No. NRPC / SE(C) / Special-RPC / 08 /

दिनांक : 30-07-2008

Dated : -07-2008

सेवा में,
To,

उत्तरी क्षेत्रीय विद्युत समिति के सदस्य
(संलग्न सूची के अनुसार)

Members of Northern Regional Power Committee
(As per list attached)

विषय : उत्तरी व पश्चिम क्षेत्रीय विद्युत समिति की 22 जुलाई, 2008 को आयोजित विशेष संयुक्त बैठक का कार्यवृत्त।

Subject Special Joint meeting of Northern and Western Regional Power Committees held on 22nd July, 2008 - Minutes.

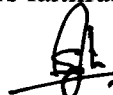
महोदय,
Sir,

उत्तरी व पश्चिम क्षेत्रीय विद्युत समिति की विशेष संयुक्त बैठक 22 जुलाई, 2008 को दिल्ली में आयोजित की गयी थी। इस बैठक के कार्यवृत्त की एक प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है।

A special joint meeting of Northern and Western Regional Power Committees were held on 22nd July, 2008 at Delhi. A copy of the summary record of discussions of the meeting is enclosed herewith for favour of information and necessary action.

संलग्नक : यथोपरि।
Encl. : As above.

भवदीय,
Yours faithfully,


(सुरेन्द्र पाल सिंह गहरवार)
(S.P. Singh Gaharwar)
सदस्य सचिव
Member Secretary

Minutes of joint meeting of NRPC and WRPC held on 22-7-2008 at NRPC New Delhi to discuss and finalise sharing of transmission charges for ATS and System Strengthening for Mundra and Sasan UMPPs.

A joint meeting of NRPC and WRPC to discuss and finalise sharing of transmission charges for ATS and System Strengthening for Mundra and Sasan UMPPs was held on 22nd July 2008 at NRPC, Katwaria Sarai, New Delhi under the chairmanship of Chairperson, CEA. The list of participants is at Annex-I

Chairperson, CEA welcomed the participants to the meeting and stated that ATS, for Mundra and Sasan UMPPs had been finalized in earlier meetings quite some time back. However, sharing of transmission charges had been discussed in a number of meetings during the past seven months but no agreement had been received. As some of the constituent states not having allocation from these project had been opposing the proposal of pooling of ATS for these projects within the regional systems, the total the transmission system had been split in two parts, generation specific components and common purpose components. The transmission charges for generation specific were proposed to be shared only by the beneficiaries of the generation project(s) in the ratio of their allocations. For the common purpose components viz system strengthening required in Western region and Northern Region , it was proposed to pool this with the regional charges and the total pooled regional charges shared with all the constituents and beneficiaries in the ratio of their share/allocations including those arising out of UMPPs as well as other inter-state shares as per existing practice. However, in spite of a number of meetings both in WR and NR, no agreement could be reached. He stated that the UMPPs have a provision to advance the commissioning target/COD and the selected developer in case of Mundra UMPP had proposed to advance the COD so that some units could come up in the 11th Plan. For this to materialize, it was essential that agreement on transmission system was reached and the constituent states arrive at a consensus regarding sharing of the transmission charges and sign BPTA/Indemnification agreement so that the process of implementation of the

transmission system could start. He stated that constituent states had to consider the long term perspective on sharing of transmission charges and development of inter-state grid in the overall interest of the country. He opined that till sharing of transmission charges based on distance and direction was decided by CERC the proposal of sharing as had been proposed could be one of the possible options.

Member (PS), CEA stated that transmission system for Mundra and Sasan UMPPs had been deliberated in the various Standing Committee meetings of NR and WR during the past two years. Initially two options were discussed and agreed in WR. However, in NR option-2 wherein total transmission charges for Sasan and Mundra transmission system in WR as well NR was proposed to be divided in to NR and WR in ratio of their allocations for Sasan and Mundra UMPP and pooled in to regional pooled transmission charges of the regions was agreed by NR. However, the problem arose at the time of signing of BPTA and constituent states not having share did not want to share transmission charges. To accommodate their views segregation of transmission system was made in two parts, one corresponding to project specific components and other common system. Any delay in taking a decision would result in delay in generation project. He informed that for Mundra UMPP the progress on the generation project was quite rapid. The first interconnecting line was required about 6 months prior to COD of 1st unit viz Feb 2011 the and any further delay in arriving at a consensus in sharing of transmission charges and signing BPTA/Indemnification agreement the beneficiary states may lose benefit of generation during XI Plan.

The Member, HPSEB stated that they had not been allocated any share from Mundra UMPP project and requested that states who had been allocated power from these projects should show generosity in surrendering a small part of their share which could be allocated to HP. Chairperson, CEA explained that shares from Mundra UMPP had already been finalized by Government. He further stated that a number of IPP generation projects were being planned in WR and ER and to meet their future requirement, HP could procure through case-1 Competitive bidding process. After discussions

the representative from HPSEB agreed to share the pooled transmission charges for the Northern Regional system including the proposed system strengthening for the Northern Region.

Director, RRVPNL stated that technically the transmission system had never been disagreed by them. However, every time the proposal has been tinkered with and a new element Bina-Gwalior 765 kV had been added last time in Sasan transmission. The representative from Haryana stated that they were agreeable to the pooling concept as proposed. However, one ckt of Bina-Gwalior 765 kV line which was earlier in WR strengthening scheme had been shifted to Sasan transmission at the instance of MPTCL. As the Bina-Gwalior line was an already on going scheme, and in future, when NER power would be injected at Agra or when Tilaiyya UMPP power is added together with ER-NR lines, its role would again change and then flow would be from NR to WR. As such changing the line from WR pooled system to Sasan specific may not be correct. After discussions, MPTCL and also the other participants agreed that Bina- Gwalior line would remain a part of WR pooled system and would not be included in Sasan transmission. With this ATS for Sasan would remain as per the earlier agreed proposal. As such the proposed sharing of transmission charges was as detailed in Annex.

PSEB stated that the sharing of transmission charges as proposed was agreeable to them.

The representative from DTL while agreeing to the proposal of sharing of transmission charges stated that their DISCOMS felt that that the transmission system should be built through competitive bidding route. Member (PS), CEA clarified that the UMPPs would be selling their power at the generating switchyard bus and the responsibility of transmission was that of the beneficiaries. A decision had been taken by the Government after consulting the various stakeholders for implementation of transmission system for UMPPs through PGCIL as the project developers were more comfortable with this arrangement.

Director, RRVPNL further stated that WR beneficiaries should also share transmission charges of system strengthening in NR under Mundra and Sasan transmission similar to as NR was being asked to share the charges for WR strengthening in WR. Member (PS) clarified that strengthening of WR was required for delivery of power from Mundra to NR and from Sasan and Mundra UMPPs to WR beneficiaries whereas NR strengthening was required for delivery of power to NR beneficiaries only. He stated that the proposal was similar to the methodology adopted for LTOA for IPP's as NR was seeking LTOA from WR for transmitting its share from Mundra located in WR. Similarly for any generation project in NR where beneficiaries would be outside the region, the pooled transmission charges of NR would be shared by the other region in proportion to its allocation. After discussions RSEB agreed to the proposed sharing of the transmission charges.

All the constituents participating in the meeting agreed to share the transmission charges as per the proposal. Regarding Chhattisgarh who was not present during the meeting, Chairman, CEA stated that he would discuss this proposal during his visit to Raipur on 23rd July 2008 and seek their concurrence.

CMD, PGCIL stated that they would be able to proceed ahead with implementation of transmission system only after signing of BPTA/Indemnification agreement.

It was therefore decided that lead procurer of Mundra UMPP viz GUVNL would organize a meeting by 31st July 2008 wherein all the constituents of WR, NR, PGCIL and project developer of Mundra UMPP would be invited and BPTA/Indemnification agreement could be signed.

Similarly for Sasan UMPP it was decided that the lead procurer MPTRANSCO would organize a meeting for signing of BPTA/Indemnification agreement after the project developer furnishes the firm date of commissioning of Sasan UMPP.

In the end Chairperson, CEA thanked all the participants for agreeing to the proposal.

The meeting ended with a vote of thanks to the chair.

ATS for Mundra and Sasan UMPPs : Proposed sharing of Transmission Charges

I Components exclusively required with the specific generation project

1.	Mundra UMPP 4000MW (Transmission charges to be shared only by beneficiarries of Mundra UMPP in ratio of their allocated power) (1) Mundra-Limbdi 400 kV D/C (Triple Snowbird) (2) Mundra-Bachau - Ranchhodpura 400 kV D/C (Triple Snowbird) (3) Mundra-Jetpur 400 kV D/C (Triple Snowbird)
2.	Sasan UMPP 4000MW (Transmission charges to be shared only by beneficiarries of Sasan UMPP in ratio of their allocated power) (1) Sasan-Satna 765 kV 2x S/C (2) Satna 765/400 kV, 2x1000 MVA S/S (3) Satna- Bina (PG) 765 kV 2x S/C (4) Bina(PG)-Bina(MP) 400 kV D/C (2 nd line) (5) LILO of both circuits of one of the Vindhyachal-Jabalpur 400 kV D/C line at Sasan (6) Line bays for 765kV operation of Agra-Gwalior-Bina-Seoni lines (7) Sasaram-Fatehpur 765kV S/C (8) Fatehpur-Agra 765kV S/C

II System Strengthening in Western Region – transmission charges to be pooled in the regional system of WR and pooled transmission charges to be shared by all constituents of WR and those beneficiaries in NR who have share in Mundra UMPP. Additional 4200 MW of WR share in Sasan and Mundra UMPPs and 1300 MW of NR share in Mundra UMPP to be included in working out the ratios for sharing of regional pooled transmission charge

1.	Bachchau 400/220 kV 2x315 MVA S/s
2.	Gandhar – Navsari 400 kV D/c
3.	Navsari (GIS) 400/220 kV 2x315 MVA S/s
4.	LILO of both circuits of Kawas-Navsari 220 kV D/c at Navsari
5.	Navsari-New location near Mumbai 400 kV D/c
6.	Wardha 765/400 kV 3x1500 MVA S/s
7.	765 kV operation of Seoni-Wardha 2xS/c lines
8.	Wardha-Aurangabad 400 kV D/c (quad) with 40% fixed series capacitor with towers design such that the line could be up-gradable as a 1200kV S/C line.
9.	400/220 kV GIS substation near Mumbai
10.	Aurangabad-Aurangabad 400 kV D/c (quad)
11.	Aurangabad 400/220 kV 2x315 MVA S/s
Regional System Strengthening in WR for Sasan UMPP	
1.	Bina(PG)-Indore 765 kV S/c
2.	New 765/400 2x1500 MVA S/s at Indore
3.	Indore(PG)-Indore 400 kV D/c (quad)
4.	Upgrading Bina and Gwalior S/s to 765 kV : 2x1000 MVA 765/400 kV at Bina and 2x1500 MVA 765/400 kV at Gwalior.

III. System strengthening in Northern region – transmission charges to be pooled in the regional system of NR and pooled transmission charges to be shared by all constituents of NR. Additional 3800 MW of NR share in Sasan and Mundra UMPPs to be included in working out the ratios for sharing of regional pooled transmission charge

1.	Agra-Sikar 400 kV D/c (quad)
2.	New 400/220 2x315 MVA S/s at Sikar with 220 kV D/c line interconnecting to 220 kV S/s
3.	Sikar-Jaipur PG 400 kV D/c
4.	Sikar-Ratangarh 400 kV D/c
5.	LILO of both circuits of Nathpa Jhakri-Abdullapur 400 kV D/c at Panchkula with 2x315MVA, 400/200 kV S/s at Panchkula.

NOTE Western Region constituents would utilize specific system of Sasan for their share of power from Sasan UMPP and specific system of Mundra for their power from Mundra UMPP. They would also utilize the pooled system of WR for the delivery of power from both the projects. Accordingly, WR beneficiaries of Sasan and Mundra UMPPs would share the transmission charges for the specific system of the respective project and all constituents of WR including beneficiaries of Mundra in NR would share the transmission charges for WR pooled system.

For the Northern Region beneficiaries, Sasan power would get delivered to Northern Region directly and therefore, NR beneficiaries would utilise specific transmission system of Sasan and NR regional pooled system. Mundra power would get injected into WR system, NR beneficiaries would be utilizing specific system of Mundra plus WR regional pooled system plus NR regional pooled system. Accordingly, for Sasan, NR beneficiaries would share the transmission charges for the specific system and pooled charges of NR but no charges for WR. However, for Mundra, NR beneficiaries would share the transmission charges for the specific system and pooled charges of NR as well as pooled charges of WR.

Further, NR constituents not having share in Mundra and Sasan UMPPs would share transmission charges for the pooled system of NR only. Similarly WR constituents not having share in Mundra and Sasan UMPPs would share transmission charges for the pooled system of WR

List of participants at Special Joint Meeting of NRPC & WRPC held on 22.07.2008, at New Delhi

Sr. No.	Name of officers	Designation	Organisation/Co	Ph/Mobile No
	<u>S/Sh.</u>			
	<u>Northern Region</u>			
1	<u>HARYANA</u>			
i	Niraj Gulati	Chief Engineer, (SO Op & Comm)	HVPN	0172-256057
2	<u>CEA</u>			
i	<u>Rakesh Nath</u>		CEA	
ii	V. Ramakrishna	M (PS)	CEA	
iii	A.K Asthana	CE	CEA	
iv	SM Dhiman	M (GO)	CEA	
v	T. Chatterjie	CE (GM)	CEA	
vi	H.K Pandey	DD (GM)	CEA	011-26732636
3	<u>DELHI</u>			
i	SR Sethi	Dir. Oprs	DTL	
ii	A.K Kaul	GM SLDC	DTL	9810299692
iii	Sunil Kakkar	DGM	BSES	9312147042
iv	A.K Dutt	Mgr.	NDPL	9871798565
v	Mukesh Dadhich	Sr. Mgr.	BSES	9350261451
4	<u>HIMACHAL PRADESH</u>			
i	Er S.K Chaudhary	M (OP)	HPSEB	09418499900
ii	Er.R.N Kaul	CE (SO)	HPSEB	09318503184
iii	Er R.K Dhiman	CE (SP)	HPSEB	09816121236
5	<u>PUNJAB</u>			
i	G.S Sra	Member/Gen	PSEB	987822000
ii	R.K Duggal	C.E./SO&C	PSEB	9872518001
6	<u>RAJASTHAN</u>			
i	Y.K Raizada	Director (Teds)	RVPNL	9414061314
ii	Umesh Gupta	CE (PPSM.R)	RVPNL	9414061311
iii	L.N Nimawat	ASE (Prot).	RVPNL	9413345570
7	<u>UTTAR PRADESH</u>			
i	Jawaharlal	CE Trans	UPPCL	9415115009
ii	V.P Verma	Ex. En	UPPCL	9868548724
8.	<u>NHPC</u>			
i	R.B Mathur	GM	NHPC	9810647140

List of participants at Special Joint Meeting of NRPC & WRPC held on 22.07.2008, at NRPC, New Delhi

Sr No.	Name of Officers	Designation	Organisation/Co	Ph/Mobile No
9	<u>POWERGRID</u>			
i	S. Majumdar	CMD	Powergrid	
ii	R.N Nayak	ED	Powergrid	
iii	R.G Yadav	ED	Powergrid	
iv	B.P Gantayat	GM	Powergrid	
v	Pankaj Kumar	Addl. Gen. Mgr.	Powergrid	
vi	Umesh Chandra	ED (comm)	Powergrid	
vii	Prashant Sharma	Addl. GM.	Powergrid	
10	<u>SJVNL</u>			
i	R.S Rana	Mgr. (C&SO)	SJVNL	9910299407
ii	Sonia Dogra	Sr. Eng. (C&SO)	SJVNL	9910584207
11	<u>NRLDC</u>			
i	V.K Aggarwal	GM	NRLDC	
ii	D.K Jain	DGM	NRLDC	9910344127
12.	<u>NRPC</u>			
i	S.P. Singh Gahrwar	Member Secretary	NRPC	
ii	R.P. Aggarwal	SE(O)	NRPC	
iii	P.S.Mhaske	SE(C)	NRPC	
iv	K.K Arya	SE (S)	NRPC	9810455760
v	Prahalad	EE(O)	NRPC	
vi	M .P. Singh	AS	NRPC	
vii	Viajy Menghani	EE(C)	NRPC	
viii	Rishika Sharan	EE (O)	NRPC	
ix	Sarita Sewak	EE(O)	NRPC	
x	Vikram Singh	EE (O)	NRPC	
Xi	B.S. Bairwa	AEE (C)	NRPC	

List of participants at Special Joint Meeting of NRPC & WRPC held on 22.07.2008, at NRPC, New Delhi

Sr. No.	Name of Officers	Designation	Organisation/Co.	Ph/Mobile No
	<u>Western Region</u>			
1.	<u>GUJARAT</u>			
i	S.B Khyalia	GM (Comm.)	GUVNL	9825407973
ii	P.J Jani		GUVNL	
2	<u>MADHYA PRADESH</u>			
i	R.K Verma	CMD	MPPTCL	9425324301
ii	R.P Bhatele	ED (T&P)	MPPTCL Jabalpur	0761- 2661234 0761- 2661450
iii	A.K Garg	ASM(Commercial)	MP Power Trading CO.Ltd	9425152817 98932-76323
3.	<u>MAHARASHTRA</u>			
i	A Roy	D (O)	MSETCL	9833422206
ii	Arijit Ghosh	D (F)	MSEDCL	9920782244
iii	M.R Khadgi	CE (STU)	MSETCL	9322218169
4	<u>TATA POWER COMPANY LTD</u>			
i	J.K Tikku	G.P Head	CGPL	9223704102
ii	D.Raina	GM (Engg)	CGPL/Tata Power	9223276262
5	<u>WRPC</u>			
i	P.Patel	Member Secretary	WRPC	9820878384
ii	Manjit Singh	SE (O)	WRPC	9819064946