

**Central Electricity Authority**  
**System Planning & Project Appraisal Division**  
**Sewa Bhawan: R.K.Puram**  
**New Delhi-110066**

**No.1/9/2004/-SP&PA/  
2004**

**Dated 22<sup>th</sup> April**

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**CENTRAL ELECTRICITY AUTHORITY  
SYSTEM PLANING AND PROJECT APRAISAL DIVISION**

**F. No.1/9/03-SP&PA/**

**Dated: 13/05/04**

**-As per List enclosed-**

**Subject: Minutes of 16<sup>th</sup> Standing Committee meeting on Power System  
Planning in Northern Region – Regarding Corrigendum**

Sir,

With reference to the communication received from POWERGRID and subsequent fax message dated 28/04/04 and 30/4 04 from NPCIL and NHPC respectively regarding some omission/ amendment required in the minutes of the 16<sup>th</sup> Standing Committee sent vide this office letter of even no. dt. 15.04.04, the corrigendum/addendum as enclosed, may be incorporated in the MoM of the 16<sup>th</sup> meeting of the standing committee.

Encl. As above

**(S. K. Thakral)  
Director (SP&PA)**

**Corrigendum to the minutes of the 16<sup>th</sup> Standing Committee Meeting**

- (1) Under **Item no. 1 – Evacuation system from Chamera III HEP**, in the transmission system finalized for Chamera III and Kutehar, it was decided to establish the pooling point at the location close to the alignment of Chamera-Jullundhar and Parbati-Amritsar lines. Accordingly, the transmission system for Chamera-III and Kutehar would be:

**Transmission system associated with Chamera III**

- Generation of Chamera III power at 220 kV level
- Creation of 400/220 kV pooling point at the location close to the alignment of Chamera-Jullundhar and Parbati-Amritsar lines. In the Chamera-III time frame, this would be only 220kV switching station which would be upgraded to 400kV in future.
- Chamera III – Pooling station 220 kV D/C line with 2x0.5 conductor
- Additional 1 no. 220 kV bay at Chamera III for 220 kV S/C line from Kutehar
- Pooling station – Jullandher 400 kV D/C line(operated at 220 kV )
- POWERGRID to locate and purchase requisite land for Pooling station corresponding to requirement of 400 kV S/S

**Transmission system from Kutehar**

- Kutehar – Pooling station 220 kV D/C with 2x0.5 conductor
- Kutehar – Chamera III 220 kV D/C with 2x0.5 conductor bunched into S/C
- Additional 2 nos. 220 kV bays at Kutehar for 220 kV lines from upstream projects
- LILO of Parbati Amritsar 400 kV D/C line at Pooling station
- 400 kV operation of Pooling station – Jullundhar D/C line

- (2) Under **Item 2 – Power Evacuation system associated with Parbati-II (800 MW) and Koldam HEP (4x200MW)**, the decision regarding capacity of 400kV S/S at Ludhiana was taken in the 15<sup>th</sup> meeting of Standing Committee as 2x315 MVA instead of 3x315 MVA. Accordingly, the bullet point under the heading “System under Northern Region Strengthening Scheme” may be corrected to read as

- *400kV S/S at Ludhiana with 2x315 MVA ICT*

and the first line of the subsequent para be corrected to read as “*The above system was finalized in the 14<sup>th</sup> and 15<sup>th</sup> meeting of the Standing Committee considering ...*”.

- (3) The suggestion of DGM, POWERGRID for change of conductor was in respect of Parbati pooling point – Amritsar 400kV D/C line and not in respect of Koldam-Ludhiana line. He had suggested to change the conductor of Parbati pooling point – Amritsar 400kV D/C line from AAAC to ACSR MOOSE and the same was agreed. The Koldam – Ludhiana 400kV D/C line remains with Triple ACSR conductor.

Accordingly, the last para under **Item 2 – Power Evacuation system associated with Parbati-II (800 MW) and Koldam HEP (4x200MW)**, reading “DGM, POWERGRID stated that their study ..... conductor as envisaged earlier.” may be deleted and the following may be added under **Item 3 – Evacuation system from Parbati III HEP (520 MW)**:

*“DGM, POWERGRID stated that their study indicates that Parbati pooling point – Amritsar line might not required to be constructed with AAAC conductor as ACSR MOOSE twin conductor would be adequate and it would incur saving in the cost of transmission line. The same was agreed. ”*

- (4) Under **Item 3 – Evacuation system from Parbati III HEP (520 MW)**, in the finalized system for Parbati-III, LILO of one circuit of Parbati-II – Koldam/Nalagarh line at Parbati-III has been inadvertently missed out. The same needs to be included in the list. Accordingly, the last para under this item would read as:

*“After deliberation, Chief Engineer (SP&PA) stated that following system were recommended with Parabti III HEP:-*

- (i) Stepping up the generation of Parbati III at 400 kV*
- (ii) LILO of one circuit of Parbati-II – Koldam/Nalagarh line at Parbati-III*
- (iii) Creation of 400kV pooling point at Parbati (**Panarsa**)*
- (iv) LILO of both line from Parbati to Koldam at Parabti Pooling point(**Panarsa**)*
- (v) Parbati Pooling point - Amritsar 400 kV D/C line with twin ACSR MOOSE conductor*

*The members of the Standing Committee agreed the above proposal.”*

- (5) While discussion the Evacuation system from Koteshwar HEP, it was decided to take-up the establishment of 400 kV Rookree S/S along with associated work expeditiously as a separate strengthening scheme. Accordingly, under **Item 5 – Power evacuation system from Koteshwar HEP**, the following may be appended:

*“It was also decided to take-up the establishment of 400 kV Rookree S/S along with associated work expeditiously as a system strengthening scheme. Accordingly, POWERGRID would formulate a separate scheme for the works at Sl. Nos. (iii), (iv), and (vi) and taken-up this on priority.”*

- (6) Under **Item no. 10 – Evacuation system from Uri – II HEP (240 MW)**, the additional space at Uri II was to be checked for 400kV line bay and not 220kV line bay as inadvertently recorded in the minutes. Accordingly, the last line of first para under this item may be modified to read as:

*“... at Uri II and if available one additional S/C line at 400 kV would be taken from Uri I to Wagoora”.*

- (7) CE (ED-TAPS), NPCIL vide his letter of even no. Dated 28/4/04 have requested for following addendum in the item no. - 3 of

- (8) Under **Item 3 of additional agenda – Transmission system from RAPP**

para 1 may be modified as under:

Director (SP&PA) stated that the evacuation system from RAPP unit 5,6,7 & 8 was agreed in the 14<sup>th</sup> Standing Committee Meeting of the NR, wherein a portion of the RRVPN system i.e. Kota – Kankroli 400kV 2xS/C was to be utilized for evacuation of power from RAPP stage 5,6,7&8. RRVPN had intimated POWERGRID their inability to construct the Kota – Kankroli lines as well as Kankroli – Bhinmal line matching with the RAPP timeframe. **The proposal for power evacuation system finalised during the 14<sup>th</sup> Standing Committee Meeting has already been put up by POWERGRID to CCEA for approval.** In view of this the proposal for RAPP was reviewed and following was suggested.

**The concluding para may also be modified as under:**

Concluding the discussion CE (SP&PA) stated that following system was recommended with RAPP C&D.

**With RAPP unit 5&6**

- (i) RAPP – Kankroli 400kV D/C
- (ii) RAPP – Kota 400kV S/C
- (iii) Creation of 2x315 MVA and 3x315 MVA S/S at Kota and Kankroli respectively.

**Supplementary regional scheme to match RAPP – 5&6 time frame:**

- (i) Kota – Merta 400 kV D/C line
- (ii) Kankroli – Jodhpur 400kV S/C line

**With RAPP unit 7&8**

- (i) RAPP – Jaipur 400kV D/C line of which one circuit to be LILOed at Kota
- (ii) RAPP – Nagda (WR) 400 kV D/C (NR:WR::50:50)

RRVPNL would construct a 220 kV line to interlink with 400 kV S/S at Kota and Kankroli of POWERGRID with their 220 S/S at Kota and Kankroli respectively.

The Members of the Committee agreed with the proposal.”