

**Central Electricity Authority, SP&PA Division**  
**Sewa Bhawan, R.K. Puram, New Delhi-110066**

**No.66/5/99-SP&PA/**

**Dated: 10-12-2010**

1. Member (Transmission),  
Bihar State Electricity Board  
Vidyut Bhavan, Baily Road,  
Patna-800021.
2. Director (System),  
Damodar Valley Corporation  
DVC Towers, VIP Road,  
Kolkata-700054.
3. Member Secretary,  
Eastern Regional Power Committee,  
14, Golf Club Road, Tollygange,  
Kolkata-700033.
4. Director (Commercial),  
Grid Corporation of Orissa Ltd,  
Jan path, Bhubaneshwar-751022.
5. Director (Transmission),  
Orissa Power Transmission  
Corporation Ltd,  
Jan path, Bhubaneshwar-751022.
6. Director (System Operation),  
West Bengal State Electricity Transmission  
Company Ltd, Vidyut Bhavan, 5th Floor,  
Block-D, Bidhannagar, Sector-II  
Kolkata-700091.
7. Principal Chief Engineer cum  
Secretary, Power Department  
Government of Sikkim, Sikkim.
8. Director (Projects),  
Power Grid Corporation of India  
"Saudamini" Plot No. 2, Sector-29  
Gurgaon-122001
9. Director (Technical),  
NTPC Limited,  
Engineering Office Complex,  
A-8, Sector 24, Noida.
10. Member (Transmission),  
Jharkhand State Electricity Board,  
In front of Main Secretariat,  
Doranda, Ranchi-834002.
11. Executive Director (T&RE),  
NHPC Ltd, NHPC Office complex,  
Sector 33, Faridabad-121003.
12. General Manager,  
Eastern Regional Load Dispatch Center,  
14, Golf Club Road, Tollygange,  
Kolkata-700033.

**Sub: Corrigendum to the minutes of the Standing Committee Meeting on Power System Planning in Eastern Region held on 20-09-10 at NRPC, New Delhi.**

Sir,

MoM of the Standing Committee on Power System Planning in Eastern Region held on 20-09-10 at NRPC, New Delhi was circulated vide our letter No. 66/5/99-SP&PA/1020-32 dated 8-10-2010. Subsequently, some modifications in MoM were suggested by PGCIL through their letter No. C/ENG/E/00/SEF/PLG dated 12-11-10 based on the deliberation took place in the meeting. Accordingly, Item-3.0, Item-5.1.2 and Item-6.2.4(Part-C) of the MoM are revised and **a corrigendum** to the MoM is available on the CEA website: [www.cea.nic.in](http://www.cea.nic.in). (path to access- *Wings of CEA/PowerSystems/StandingCommittee on Power System Planning/ EASTERN REGION*).

Yours faithfully,

(A. K. Saha)  
Dy. Director (SP&PA)

Copy to: CEO, M/s Adhunik Power & Natural Resources Ltd., Crescent Tower, 3<sup>rd</sup> Floor, 229, A J C Bose Road, Kolkata-700 020.

**Corrigendum to the minutes of Meeting (MoM) of the Standing Committee on Power System Planning in Eastern Region held on 20-09-10 at NRPC, New Delhi.**

(MOM issued vide letter No. 66/5/99-SP&PA/1020-32 dated 8-10-2010).

**1. First Para of Item-3.0 (MoM) is revised as following:**

Director (SP&PA), CEA stated that the proposal LILO of one ckt. of the ongoing 400kV Durgapur(Parulia) - Jamshedpur D/C line of PGCIL (Part of approved ERSS-I scheme) at DSTPP was planned under the scope of DVC to cater to the requirement of start-up-power for Durgapur STPP and to facilitate power evacuation. DVC completed the proposed LILO (6 Km) work. As the construction of the 400kV Durgapur(Parulia) - Jamshedpur D/C line at Parulia and Jamshedpur ends was held up due to objections raised by M/s Bengal Aerotropolis Pvt. Ltd (BAPL) and by M/s ECL, he requested PGCIL to give the latest status on it. ED, PGCIL stated POWERGRID has been facing severe right of way constraints due to ECL for termination of Durgapur –Jamshedpur 400 kV line at Durgapur. He stated that effort is being made to complete this 400kV line and terminate at Jamshedpur. The other end of the line which is to be terminated at Durgapur 400 kV Sub-station could be terminated at Durgapur STPP of DVC till the Right of way issues be resolved. **ED, POWERGRID further proposed that till the portion of the line (Durgapur-Jamshedpur 400kV D/C) between Durgapur(PG) - DSTPP(DVC) gets completed, the line may be terminated at DSTPP(DVC) so as to form DSTPP(DVC) – Jamshedpur 400kV D/C line and the same may be included in the regional scheme. Once, Durgapur(PG) - DSTPP(DVC) portion of line is completed then the line may be re-configured as Durgapur- Jamshedpur 400kV D/C line with one ckt. LILO at DSTPP (DVC).**

**2. Item 5.1.2 of MoM is revised as following:**

**5.1.2 Common system strengthening for transfer of power from Phase-I generation projects in Jharkhand and West Bengal to NR/WR (Under the scope of PGCIL)**

Director (SP&PA), CEA stated that the requirement of the common system strengthening works were finalized into three region specific groups viz. 'ER', 'NR' and 'WR' in the last meeting of Standing Committee held on 14<sup>th</sup> Sept.'09. *As proposed by PGCIL, the works were regrouped into two parts i.e. Part-A & Part-B for implementation. On this, PGCIL further proposed to include establishment of 765kV Varanasi S/s and associated 765 and 400kV lines for delivery of power to NR under Part-A, which were taken under Part-B.* PGCIL representative stated that due to delay in commissioning of Tilaiya UMPP project, LILO of 765kV Gaya – Balia line at Varanasi in NR would be done in place of LILO of Tilaiya – Balia line at Varanasi. Accordingly, the scope of work under Part-A & Part-B for the common system strengthening would be as following:

**I. Common system strengthening for transfer of power from Phase-I generation projects in Jharkhand and West Bengal - Part-A**

- Ranchi – Gaya 400 kV (Quad) line via pooling station proposed near Essar / Corporate generation projects
- Ranchi New (765/400kV S/s) - Dharamjaygarh / near Korba 765kV S/c
- Establishment of 400kV Pooling Station (Jharkhand Pool) near Essar and Corporate generation projects. This will be a switching station without ICTs
- **New 2x1500 MVA, 765/400 kV substation at Varanasi**
- **Gaya – Varanasi 765 kV S/c**
- **LILO of Gaya - Balia 765 kV S/c line at Varanasi**

- **400kV connectivity for new 765/400kV S/s at Varanasi**
  - **Varanasi - Sarnath (UPPCL) 400kV D/c (quad)**
  - **LILO of Sasaram - Allahabad 400kV line at Varanasi**

**II. Common system strengthening for transfer of power from Phase-I generation projects in Jharkhand and West Bengal - Part-B**

- New 2x1500 MVA, 765/400 kV substation at Kanpur
- Varanasi – Kanpur 765 kV D/c
- Kanpur – Jhatikra 765 kV S/c
- Kanpur (765/400kV) - Kanpur (Existing) 400kV D/C (Quad)

**III. Private Sector line:** *In addition to the above work to be undertaken by PGCIL, Dharamjaygarh – Jabalpur 765kV D/C line (2nd line) would be under the scope of private sector. Associated 765kV line bays at Dharamjaygarh and Jabalpur sub-station would be under the scope of POWERGRID.*

The charges of the common transmission system would be borne by the generation developers of Jharkhand as well as WBSEDCL till the time the long term beneficiaries are finalized. Further, the regional charges of Eastern Region would be borne by the developers of Jharkhand projects in proportion to their installed capacity and by WBSEDCL corresponding to open access quantum i.e. 1000MW. The regional charges for WR and NR would also be shared by the developers of Jharkhand projects and WBSEDCL in proportion to the power allocated to these regions. Once, the long-term beneficiaries are tied-up, transmission charges would be shared by the beneficiaries in proportion to their allocation.

All the constituents of ER concurred.

**3. 'Part- C' in Item - 6.2.4 of MoM is revised as following:**

**Part-C: Transmission System for development of pooling station in Northern part of West Bengal and transfer of power from Bhutan to NR/WR (under the scope of PGCIL)**

(By 2014-15, when Punatsangchhu-I (1200MW) comes up in Bhutan)

- New 2x315MVA, 400/220kV AC & HVDC sub-station with  $\pm$  800kV, 3000MW converter module at new pooling station at Alipurduar.
- Extension of  $\pm$  800 kV HVDC station with 3000 MW inverter module at Agra
- LILO of Bishwanath Chariyali – Agra HVDC line at new pooling station in Alipurduar for parallel operation of the HVDC station
- LILO of Bongaigaon – Siliguri 400kV D/c line(quad) (Bongaigaon – Siliguri 400kV D/c line under pvt. Sector) at new pooling station in Alipurduar
- LILO of Tala-Siliguri 400kV D/c line at new pooling station in Alipurduar.
- LILO of Birpara-Salakati 220kV D/c line at new pooling station in Alipurduar
- **Lhamoizingkha (Bhutan Border) – Alipurduar 400kV D/C with Quad Moose Conductor**
- Earth Electrode line at new pooling station at Alipurduar
- Earth Electrode line at Agra HVDC Terminal