



Government of India
Ministry of Power
Central Electricity Authority
SP&PA Division

Sewa Bhawan, R. K. Puram, New Delhi-110066



[ISO: 9001:2008]

No. 100/1/EC (32) 2013-SP&PA/480-490

Dated: 20th February, 2014

To

1. Smt. Neerja Mathur
Chairperson and Member
(Power System)
Central Electricity Authority
Sewa Bhawan, R.K. Puram,
New Delhi – 110 066.
2. Dr. Jaipal Singh
Member (Economic & Commercial),
Central Electricity Authority
Sewa Bhawan, R.K. Puram,
New Delhi – 110 066.
3. Shri I.A. Khan
Adviser, Planning Commission, Yojana
Bhawan, Parliament Street,
New Delhi – 110 001.
4. Director (Transmission)
Ministry of Power,
Shram Shakti Bhawan, Rafi Marg,
New Delhi – 110 001.
5. Shri I. S. Jha
Director (Projects), Power Grid
Saudamini, Plot No. 2, Sector-29,
Gurgaon – 122 001.
6. Shri V. V. R. K. Rao
Former Chairperson, CEA
B-9/C, DDA Flats, Maya Puri,
New Delhi -110 064.
7. Shri Ravinder
Former Chairperson & Member (Power
System), CEA
147, Bhagirathi Apartment,
Sector-9, Rohini, Delhi – 110 085.
(Tel. 9971568444).


Subject: 32nd meeting of the Empowered Committee on Transmission – Corrigendum reg.

Sir,

The minutes of the 32nd meeting of Empowered Committee on Transmission held on 17th January 2014 were circulated vide our letter of even no. dated 6th February 2014.

It may kindly be noted from the minutes that Para 8 (10) on **Transmission system associated with Gadarwara STPS (2x800 MW) of NTPC (Part - A)**, was not properly presented as per the deliberation. In this context, a corrigendum with this letter is being issued and enclosed at **Annexure-I**.

Yours faithfully,


(K. K. Arya)

Chief Engineer (SP&PA)

Copy to:

- (i) Joint Secretary (Trans); Ministry of Power, Shram Shakti Bhawan, New Delhi – 110 001.
- (ii) COO (CTU), POWERGRID, 'Saudamini', Plot No.2, Sector – 29, Gurgaon – 122 001 (Haryana)
- (iii) CEO, RECTPCL, 12-21, Upper Ground Floor, Antriksh Bhawan, 22, KG Marg, New Delhi – 110 001.
- (iv) CEO, PFC Consulting Ltd, First Floor, Urjanidhi, 1 Barakhmba Lane, New Delhi -110001 (Fax-011-23456170)

CORRIGENDUM**Part of the original minutes:****Para 8****(10) Name of the Scheme: Transmission system associated with Gadarwara STPS (2x800 MW) of NTPC (Part - A)**

This scheme was agreed in the 36th Standing Committee meeting on Power System Planning of Western Region held on 29th August, 2013. The scheme is for the evacuation of Gadarwara STPS. The scope of the transmission scheme under Part - A is as under:

Scope:

Sl. No.	Transmission Scheme	Estimated route length (km)	Tentative Estimated Cost ¹ (Rs. Crore)
1.	Gadarwara STPS - Jabalpur Pool 765 kV D/C line	120	537
2.	Gadarwara STPS-New Pooling Station near Warora 765 kV D/C line	300	1343
3.	LILo of both circuits of Wardha-Parli (PG) 400 kV D/C line at Warora (Pooling Station) (Quad) line [2xD/C]	20	114
4.	Establishment of 2x1500 MVA 765/400 kV New Pooling Station near Warora 765 kV <ul style="list-style-type: none"> • ICTs: 7x500MVA 765/400 kV (1 spare unit) • ICT bays: 2 no. • Line bays: 6 no. • Bus reactor: 3x110 MVAR • Bus reactor bay: 1 no. • Line reactors: 7x110 MVAR (1 unit spare) (for Gadarwara line) • Line reactors switchable: 6x110 MVAR (for Parli line) • Space for future bays: 4 no. At Gadarwara STPP switchyard <ul style="list-style-type: none"> • 765 kV line bay: 4 no. • Bus reactor: 1X330 MVAR • Switchable line reactor: 2X330 MVAR 400 kV <ul style="list-style-type: none"> • ICT bays: 2 no. • Line bays: 4 no. • Space for future bays: 4 no. 		531
	Estimated Cost		2525

Note:

- Transmission system associated with Gadarwara STPS (2x800 MW) both Part – A and Part – B transmission systems are to be implemented in the same time frame.
- CTU would provide 2 no. of 765 kV line bay at under construction Jabalpur 765/400 kV pooling station of POWERGRID,
- NTPC would provide to provide space for 4 no. of 765 kV line bay, 1 no. bus reactor bay and 2 no. switchable line reactor at their Gadarwara TPS switchyard for Gadarwara – Warora 765 kV D/C line.
- 6 no. of 765 kV line bays includes 2 no. 765 kV line bays for Rajnandgaon-Warora Pooling s/s 765 kV D/C line.

The representative of NTPC intimated that the main plant of Gadarwara STPP was already awarded in March, 2013 with the commissioning schedule of Unit # 1 in July, 2016. he further added that Gadarwara STPP being a green field project would require grid supply 4-6 months before the commissioning of the unit i.e., by March 2016. It was also informed that PGCIL is presently implementing the LILO of Seoni - Bina line at their Gadarwara STPS switchyard. With time availability of about 26 months from now for commissioning of the generation project, NTPC proposed to consider the implementation of the Gadarwara STPS - Jabalpur Pool 765 kV D/C line only of the scheme under the compressed time schedule. However, the representative of PGCIL/CTU stated that they would not be in position to implement this line under compressed time schedule within 26 months and requested to get it implemented through TBCB route. After deliberations, it was agreed that the Gadarwara STPS - Jabalpur Pool 765 kV D/C line including other transmission elements in this scheme would be implemented through TBCB route matching with the commissioning of Gadarwara STPS. However, it was also decided that the implementing agency for the scheme would ensure that Gadarwara STPS - Jabalpur Pool 765 kV D/C line would be implemented within this period.

The scheme may be notified by the Government accordingly.

Revised portion of the minutes of the meeting:

Para 8

(10) Name of the Scheme: Transmission system associated with Gadarwara STPS (2x800 MW) of NTPC (Part - A)

This scheme was agreed in the 36th Standing Committee meeting on Power System Planning of Western Region held on 29th August, 2013. The scheme is for the evacuation of Gadarwara STPS. The scope of the transmission scheme under Part - A is as under:

Scope:

Sl. No.	Transmission Scheme	Estimated route length (km)	Tentative Estimated Cost ¹ (Rs. Crore)
1.	Gadarwara STPS - Jabalpur Pool 765 kV D/C line <i>As per the interim arrangement, LILO of existing Seoni-Bina 765 kV S/C line at Gadarwara STPP would be established. At a later date, LILO portion would be delinked from Seoni-Bina 765 kV S/C line to restore the Seoni-Bina 765 kV S/C direct line, and the LILO portion would be extended to the Jabalpur 765/ 400 kV Pooling Station to form the proposed Gadarwara STPS - Jabalpur Pool 765 kV D/C line.</i>	120	537
2.	Gadarwara STPS-New Pooling Station near Warora 765 kV D/C line	300	1343
3.	LILO of both circuits of Wardha-Parli (PG) 400 kV D/C line at Warora (Pooling Station) (Quad) line [2xD/C]	20	114

4.	<p>Establishment of 2x1500 MVA 765/400 kV New Pooling Station near Warora</p> <p>765 kV</p> <ul style="list-style-type: none"> • ICTs: 7x500MVA 765/400 kV (1 spare unit) • ICT bays: 2 no. • Line bays: 6 no. • Bus reactor: 3x110 MVAR • Bus reactor bay: 1 no. • Line reactors: 7x110 MVAR (1 unit spare) (for Gadarwara line) • Line reactors switchable: 6x110 MVAR (for Parli line) • Space for future bays: 4 no. <p>At Gadarwara STPP switchyard</p> <ul style="list-style-type: none"> • 765 kV line bay: 4 no. • Bus reactor: 1X330 MVAR • Switchable line reactor: 2X330 MVAR <p>400 kV</p> <ul style="list-style-type: none"> • ICT bays: 2 no. • Line bays: 4 no. • Space for future bays: 4 no. 		531
	Estimated Cost		2525

Note:

- **Transmission system associated with Gadarwara STPS (2x800 MW) both Part – A and Part – B transmission systems are to be implemented in the same time frame.**
- CTU would provide 2 no. of 765 kV line bay at under construction Jabalpur 765/400 kV pooling station of POWERGRID,
- NTPC would provide to provide space for 4 no. of 765 kV line bay, 1 no. bus reactor bay and 2 no. switchable line reactor at their Gadarwara TPS switchyard for Gadarwara – Warora 765 kV D/C line.
- 6 no. of 765 kV line bays includes 2 no. 765 kV line bays for Rajnandgaon-Warora Pooling s/s 765 kV D/C line.

The representative of NTPC intimated that the main plant of Gadarwara STPP was already awarded in March, 2013 with the commissioning schedule of Unit # 1 in July, 2016. he further added that Gadarwara STPP being a green field project would require grid supply 4-6 months before the commissioning of the unit i.e., by March 2016. *It was also informed that as per minutes of the meeting of 36th WR SCM, Connectivity of the project has been granted through Gadarwara STPP - Jabalpur Pooling Station 765 kV Double Circuit Line and in the event of delay in commissioning of this line, an interim arrangement through LILO of existing Seoni-Bina 765kV S/C line shall be provided at Gadarwara STPP by utilizing portion of this line near Gadarwara STPP.* With time availability of about 26 months from now for commissioning of the generation project, NTPC proposed to consider the implementation of the Gadarwara STPS - Jabalpur Pool 765 kV D/C line only of the scheme under the compressed time schedule. However, the representative of PGCIL/CTU stated that they would not be in position to implement this line under compressed time schedule within 26 months and requested to get it implemented through TBCB route. After

deliberations, in line with the minutes of the meeting of 36th WR SCM and due to the inability shown by PGCIL to carry out the implementation under compressed time schedule, it was agreed that as an interim arrangement, LILO of existing Seoni-Bina 765 kV S/C line at Gadarwara STPP would be established. At a later date, LILO portion would be delinked from Seoni-Bina 765 kV S/C line to restore the Seoni-Bina 765 kV S/C direct line, and the LILO portion would be extended to the Jabalpur 765/400 kV Pooling Station to form the proposed Gadarwara STPS - Jabalpur Pool 765 kV D/C line. **The above transmission scheme with modification on interim arrangement, as indicated above, was agreed to be implemented through TBCB route. The scheme may be notified by the Government accordingly.**