



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 (35) 2015-PSP&PA-I/

Dated: 27th October, 2015

To

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|---|---|
| 1. Member (Economic & Commercial),
Central Electricity Authority
Sewa Bhawan, R.K. Puram,
New Delhi – 110 066. | 2. Joint Secretary (Transmission)
Ministry of Power
Shram Shakti Bhawan
New Delhi-110001 |
| 3. Adviser (Energy),
NITI Ayog,
Parliament Street,
New Delhi – 110 001. | 4. Director (Projects),
Power Grid
Saudamini,
Plot No. 2, Sector-29,
Gurgaon – 122 001. |
| 5. Shri V. V. R. K. Rao
Former Chairperson, CEA
B-9/C, DDA Flats, Maya Puri,
New Delhi -110 064. | 6. Shri Ravinder
Former Member (Power System), CEA
147, Bhagirathi Apartment,
Sector-9, Rohini, Delhi – 110 085. |

Subject: 35th meeting of the Empowered Committee on Transmission – Addendum reg.

Sir,

The minutes of the 35th meeting of Empowered Committee on Transmission held on 14th September 2015 were circulated vide our letter of even no. dated 24th September 2015.

The scheme 'Transmission system for Phase-I generation projects in Arunachal Pradesh' was discussed as the additional agenda item. The addendum to the minutes of this meeting to the effect is enclosed at **Annexure**.

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)

ADDENDUM

The following Para 7.8 may be included under 'Item no:7 New transmission schemes to be taken up through Tariff Based Competitive Bidding (TBCB)' of the minutes of the 35th meeting of Empowered Committee on Transmission.

7.8 Transmission system for phase-I generation projects in Arunachal Pradesh.

7.8.1 This scheme was approved in the 3rd standing committee meeting of power system planning in North Eastern Region held on 21st Dec., 2011 at NRPC, New Delhi as evacuation system from 4 no. of hydro projects in Arunachal Pradesh in Kameng basin.

The **Scope** of the transmission scheme is as under:

S. No.	Transmission Scheme	Estimated route length (km)	Estimated Cost (Rs. Crore)
1.	Dinchang-Rangia / Rowta Pooling Point 400 kV D/c (Quad) / HTLS	120	367
2.	LILO of both ckts of Balipara-Bongaigaon 400kV D/C (Twin Moose) line at Rangia / Rowta2xD/c	10	30
3.	<p>Establishment of 7x166 MVA 400/220 kV Pooling station (GIS) at Dinchang</p> <p><u>400 kV</u></p> <ul style="list-style-type: none"> • ICT single phase 7x166 MVA 400/220 kV (1 spare) • ICT bays – 2 no. • Line bays – 2 no. • Bus Reactor 80 MVAR – 2 no. • Bus reactor bays – 2 no. • Space for line bays – 4 no. • Space for ICT bay – 2 no. <p><u>220 kV</u></p> <ul style="list-style-type: none"> • ICT bays – 2 no. • Space for line bays – 18 no. • Space for ICT bay – 2 no. <p><u>Space for ICT</u></p> <ul style="list-style-type: none"> • Space for single phase 6x166MVA 400/220kV ICT 	-	90

4.	<p>Establishment of 2x500MVA 400/220 kV Pooling station at Rangia / Rowta in Upper Assam</p> <p><u>400 kV</u></p> <ul style="list-style-type: none"> • ICT 2x500MVA 400/220 kV • ICT bays – 2 no. • Line bays – 6 no. • Bus Reactor 125 MVAR – 2 no. • Bus Reactor bays – 2 no. • Switchable Line Reactor of 63 MVAR at Rangia / Rowta end for Dinchang-Rangia / Rowta Pooling Point 400 kV D/c (Quad) line- 2 no. • Space for line bays – 12no. • Space for ICT bays – 2 no. <p><u>220 kV</u></p> <ul style="list-style-type: none"> • ICT bays – 2 no. • Line bays – 4 no. • Space for line bays – 4 no. • Space for ICT bays – 2 no. <p><u>Space for ICT</u></p> <ul style="list-style-type: none"> • Space for 2x500MVA 400/220kV ICT • Space for take-off of 6000/7000MW HVDC Bi-pole line 		84
	Estimated Cost Rs. crore		571

Note:

- M/s Dirang Energy Pvt. Ltd. to construct 2 no. 220 kV bays at Dinchang pooling station.

7.8.2 Director(NER)stated that the scheme was reviewed in meeting held on 30-10-2013 among CEA, CTU and the project developers. Dirang Energy Pvt. Ltd (Patel Hydro Power Pvt. Ltd.) intimated that main construction work had been started by EPC contractor and also submitted site photographs. Hence, the scheme may be taken up for implementation of transmission system for evacuation of power from Dirang Energy Pvt. Ltd (Patel Hydro Power Pvt. Ltd.) (144 MW). The same system would also be utilized subsequently for evacuation of power from other three(3) generation projects viz. Sew Nafra Power Corporation Ltd.(120 MW), Adishankar Khuitam Power Pvt. Ltd. (66 MW) and KSK Dibbin Hydro Power Pvt. Ltd. (120 MW) as and when they are commissioned.

7.8.3 Members approved the above scheme for implementation through TBCB route. The scheme may be notified by the Government accordingly. It was also decided that a team comprising of the members from CTU, CEA and BPC would visit the Dirang Energy Pvt. Ltd (Patel Hydro Power Pvt. Ltd.) generation project site. The RfQ for the scheme may be issued and RfP stage would be taken up depending upon the progress report of the project submitted by the team.