Amendment –IX dated 20.02.2024 on RFP Project Documents for selection of Bidder as Transmission Service Provider to establish Transmission System for "Transmission system for evacuation of power from Shongtong Karcham HEP (450 MW) and Tidong HEP (150 MW)" through tariff based competitive bidding process

<table>
<tr><th>S. No.</th><th>Clause No.</th><th>Existing Provisions</th><th>New / Revised Provisions</th></tr>
<tr><td>1.</td><td>RFP and TSA</td><td>
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<tr><th>Sl. No.</th><th>Scope of the Transmission Scheme</th><th>Scheduled COD in months from Effective Date</th></tr>
<tr><td colspan="3">A. Phase-I with Tidong HEP [Schedule: 01st July 2026]</td></tr>
<tr><td>1</td><td>Establishment of 2x315 MVA (7x105 MVA 1-ph units including a spare unit) 400/220 kV GIS Pooling Station at Jhangi

• 400/220 kV ICTs- 2x315 MVA (7x105 MVA 1-ph units including a spare unit)
• 400kV ICT bays- 2nos.
• 220kV ICT bays- 2nos.
• 400kV line bays (GIS) -2 nos. (for Jhangi PS – Wangtoo D/c line)
• 420 kV Bus reactor -1 No. (4x 41.66 MVA 1-ph units including one spare unit)
• 420kV Reactor bay-1 No.
• 220kV Bus coupler- 1 No.

Future space provision for:

• 5 nos. of 400 kV line bays
• 6 nos. of 220 kV line bays for future projects (space for 2 bays to be utilized for connectivity to Tidong generation)</td><td>Matching Timeframe of Tidong HEP ie. 01/07/2026</td></tr>
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S. No.	Clause No.	Existing Provisions			New / Revised Provisions		
			• 2 no. of 400/220 kV Transformer • 1 no. 420 kV Bus Reactor along with bay • 220 kV Sectionalization bay: 1 set • Bus Coupler: 1 no.			for future projects (space for 2 bays to be utilized for connectivity to Tidong generation) • 2 no. of 400/220 kV Transformer • 1 no. 420 kV Bus Reactor along with bay • 220 kV Sectionalization bay: 1 set • Bus Coupler: 1 no.	
		2	400 kV Jhangi PS – Wangtoo (Quad) D/c line[$]		2	400 kV Jhangi PS – Wangtoo (Quad) D/c line[$]	
		3	400kV bays at Wangtoo for termination of 400 kV Jhangi PS – Wangtoo D/c line 400 kV bays – 2nos. (GIS)		3	400kV bays at Wangtoo for termination of 400 kV Jhangi PS – Wangtoo D/c line 400 kV bays – 2nos. (GIS)	
		B. Phase-II with Shongtong HEP [Schedule: 31st July, 2026]			**B. Phase-II with Shongtong HEP [Schedule: 31st July, 2026]**		
		1	LILO of one circuit of Jhangi PS - Wangtoo (HPPTCL) 400 kV D/c (Quad) line[$] at generation switchyard of Shongtong HEP	Matching Timeframe of Shongtong HEP ie. 31/07/2026	1	LILO of one circuit of Jhangi PS - Wangtoo (HPPTCL) 400 kV D/c (Quad) line[$] at generation switchyard of Shongtong HEP	Matching Timeframe of Shongtong HEP ie. 31/07/2026
		2	**<u>Wangtoo (HPPTCL) - Panchkula (PG) 400 kV D/c (Twin HTLS*) line along with 80 MVAr switchable line reactor at Panchkula end on each circuit</u>** **<u>420 kV 80 MVAr SLR along with switching equipments – 2 Nos.</u>**		2	**2a) <u>Panchkula- Point PW** 400 kV D/c line (Twin HTLS*,) along with 80 MVAr switchable line reactor at Panchkula end on each circuit – approx. 90 km</u>** **<u>2b) Point PW** - Wangtoo</u>**	
		3	400kV bays at Wangtoo S/s (2 nos.) and Panchkula S/s (2 nos.) for termination of 400 kV Wangtoo (HPPTCL) - Panchkula (PG) D/c line				

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S. No.	Clause No.	Existing Provisions	New / Revised Provisions
		400 kV Line bays- 4 nos. (2 nos. GIS bays at Wangtoo and 2 nos. AIS bays at Panchkula) $ *Line capacity shall be 2500 MVA per circuit at nominal voltage* * ***with minimum capacity of 2100 MVA on each circuit at nominal voltage*** ……..	**(HPPTCL) 400 kV D/c line (Quad AL 59/Quad ACSR Moose/Quad AAAC) - approx. 85 km** ***** Point PW : First point of 2000 m altitude of Panchkula-Wangtoo line from Panchkula end*** 3 – 400kV bays at Wangtoo S/s (2 nos.) and Panchkula S/s (2 nos.) for termination of 400 kV Wangtoo (HPPTCL) - Panchkula (PG) D/c line 400 kV Line bays- 4 nos. (2 nos. GIS bays at Wangtoo and 2 nos. AIS bays at Panchkula) $ *Line capacity shall be 2500 MVA per circuit at nominal voltage* * ***with minimum capacity of 2100 MVA on each circuit at nominal voltage*** **and Min. Diameter of 31.77 mm for HTLS conductor.** ……..