

Amendment –XXXIII dated 08.04.2024 on the Request for Proposal Document and Transmission Service Agreement issued for selection of bidder as Transmission Service Provider to establish “Transmission system for evacuation of power from Luhri Stage-I HEP” through tariff based competitive bidding process

Sl. No.		Clause No.		Existing Provisions		New / Revised Provisions			
1.		Scope of Work of RFP & TSA document		S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date
		1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station along with 125 MVAR (420kV) Bus Reactor at Nange (GIS) PS(1-Ph units along with one spare unit) <ul style="list-style-type: none"> • 315MVA, 400/220 kV ICT: 2 nos. (7x105 MVA including 1 spare ICT) • 400kV ICT bays: 2 nos. • 220 kV ICT bays: 2 nos. • 400 kV, 125 MVAr Bus Reactor # – 1 no. • 400 kV Bus Reactor bay- 1 no. • 400 kV Line Bays- 2 nos. Future provisions: Space for <ul style="list-style-type: none"> • 400/220kV ICTs (315 MVA with single phase units) along with associated bays: 3 nos. • 400 kV line bays along with switchable line reactor: 3 nos. • 220 kV line bays: 10 nos. • 220 kV bus sectionalizer: 1 set 	<u>Matching time frame of Luhri Stage-I HEP i.e. December, 2026</u>		1.	Establishment of 7x105 MVA, 400/220 kV Nange GIS Pooling Station along with 125 MVAR (420 kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit) <ul style="list-style-type: none"> • 315 MVA, 400/220 kV ICT: 2 nos. (7x105 MVA including 1 spare ICT) • 400 kV ICT bays: 2 nos. • 220 kV ICT bays: 2 nos. • 400 kV, 125 MVAr Bus Reactor # – 1 no. • 400 kV Bus Reactor bay- 1 no. • 400 kV Line Bays- 2 nos. Future provisions: Space for <ul style="list-style-type: none"> • 400/220 kV ICTs (315 MVA with single phase units) along with associated bays: 3 nos. • 400 kV line bays along with switchable line reactor: 3 nos. • 220 kV line bays: 10 nos. • 220 kV bus sectionalizer: 1 set 	<u>30.11.2026</u>	
		2.	Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-Ropar/Ludhiana 400kV D/C line)			2.	Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-Ropar/Ludhiana 400 kV D/C line)		
		3.	1 no. of 400kV line bay at Koldam S/S for termination of Nange (GIS) Pooling Station – Koldam 400 kV line along with						

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Sl. No.	Clause No.	Existing Provisions					New / Revised Provisions					
			125 MVAR (420kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit) <ul style="list-style-type: none"> • 400 kV Line Bay- 1 no • 400 kV, 125 MVAr Bus Reactor - 1 (to be terminated in existing line bay at Koldam, which would be available due to bypassing of one circuit of Koldam –Ropar/Ludhiana 400 kV D/c line at Koldam S/stn) 						3. 1 no. of 400 kV line bay at Koldam S/S for termination of Nange (GIS) Pooling Station – Koldam 400 kV line along with 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit) <ul style="list-style-type: none"> • 400 kV Line Bay- 1 no • 400 kV, 125 MVAr Bus Reactor - 1 (to be terminated in existing line bay at Koldam, which would be available due to bypassing of one circuit of Koldam –Ropar/Ludhiana 400 kV D/c line at Koldam S/stn) 			
		4.	Bypassing one ckt of Koldam-Ropar/Ludhiana 400kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange-Koldam 400kV D/C line (Triple snowbird), thus forming Nange- Ropar/Ludhiana one line (Triple snowbird)						4. Bypassing one ckt of Koldam-Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange-Koldam 400 kV D/C line (Triple snowbird), thus forming Nange- Ropar/Ludhiana one line (Triple snowbird)			
		5.	1x50 MVAR switchable line reactor at Ropar end of Nange Ropar/ Ludhiana 400kV line <ul style="list-style-type: none"> • 400 kV, 50MVAr Line Reactor- 1 no. • 400 kV Reactor Bay- 1 no. 						5. 1x50 MVAR switchable line reactor at Ropar end of Nange Ropar/ Ludhiana 400kV line <ul style="list-style-type: none"> • 400 kV, 50 MVAr Line Reactor- 1 no. • 400 kV Reactor Bay- 1 no. 			
	Clause 2.6 of RFP	2.6 Project Schedule 2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;						2.6 Project Schedule 2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;				
		S. No.	Name of the Transmission Element	Scheduled COD in months from	Percentage of Quoted Transmission Charges	Element(s) which are pre-required for declaring the	S. No.	Name of the Transmission Element	Scheduled COD in months from	Percentage of Quoted Transmission Charges	Element(s) which are pre-required for declaring the	

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				Effective Date	recoverable on Scheduled COD of the Element of the Project	commercial operation (COD) of the respective Element			Effective Date	recoverable on Scheduled COD of the Element of the Project	commercial operation (COD) of the respective Element
		1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station along with 125 MVAR (420 kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit)	<u>Matching time frame of Luhri Stage-I HEP i.e. December, 2026</u>	<u>100%</u>	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.	1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station along with 125 MVAR (420kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit)	<u>30.11.2026</u>	<u>37.65%</u>	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.
	2.	Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-Ropar/Ludhiana 400 kV D/C line)	2.				Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-Ropar/ Ludhiana 400 kV D/C line)	<u>52.03%</u>			
	3.	1 no. of 400 kV line bay at									

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			Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit)				3.	Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV D/c line (Triple snowbird), thus forming Nange Ropar/ Ludhiana one line (Triple snowbird)			
		4.	Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV D/c line (Triple snowbird), thus forming Nange Ropar/ Ludhiana one line (Triple snowbird)				4.	1 no. of 400kV line bay at Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit)		<u>6.69%</u>	
		5.	1x50 MVAR switchable line reactor at Ropar end of Nange-Ropar/ Ludhiana 400 kV line				5.	1x50 MVAR switchable line		<u>3.63%</u>	

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Format 1 of Annexure 8 of RFP	Format 1: Bidders' Undertakings	<p>.....</p> <p>1.</p> <p>2.</p> <p>...</p> <p>8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name of the Transmission Element</th> <th>Scheduled COD in months from Effective Date</th> <th>Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project</th> <th>Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station</td> <td><u>Matching time frame of Luhri Stage-I HEP i.e.</u></td> <td><u>100%</u></td> <td>All elements of scheme are required to be commissioned simultaneously</td> </tr> </tbody> </table>	S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element	1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station	<u>Matching time frame of Luhri Stage-I HEP i.e.</u>	<u>100%</u>	All elements of scheme are required to be commissioned simultaneously	Format 1: Bidders' Undertakings	<p>.....</p> <p>1.</p> <p>2.</p> <p>...</p> <p>8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name of the Transmission Element</th> <th>Scheduled COD in months from Effective Date</th> <th>Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project</th> <th>Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station</td> <td><u>30.11.2026</u></td> <td><u>37.65%</u></td> <td>All elements of scheme are required to be commissioned simultaneously</td> </tr> </tbody> </table>	S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element	1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station	<u>30.11.2026</u>	<u>37.65%</u>	All elements of scheme are required to be commissioned simultaneously
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			along with 125 MVAR (420 kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit)	<u>December, 2026</u>		as their utilization is dependent on each other.		along with 125 MVAR (420kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit)		as their utilization is dependent on each other.	
		2.	Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-Ropar/Ludhiana 400 kV D/C line)					2.	Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-Ropar/ Ludhiana 400 kV D/C line)		
		3.	1 no. of 400 kV line bay at Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along					3.	Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV		
										<u>52.03%</u>	

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			with one spare unit)						
		4.	Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV D/c line (Triple snowbird), thus forming Nange Ropar/ Ludhiana one line (Triple snowbird)				D/c line (Triple snowbird), thus forming Nange Ropar/ Ludhiana one line (Triple snowbird)		
		5.	1x50 MVAR switchable line reactor at Ropar end of Nange-Ropar/ Ludhiana 400 kV line				4. 1 no. of 400kV line bay at Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit)		<u>6.69%</u>
						5. 1x50 MVAR switchable line reactor at Ropar end of Nange-Ropar/ Ludhiana 400 kV line		<u>3.63%</u>
			Scheduled COD for overall Project: <u>Matching time frame of Luhri Stage-I HEP i.e. December, 2026</u>					
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	Schedule: 2 of TSA										
		1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station along with 125 MVAR (420 kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit)	<u>Matching time frame of Luhri Stage-I HEP i.e. December, 2026</u>	<u>100%</u>	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.	1.	Establishment of 7x105 MVA, 400/220kV Nange GIS Pooling Station along with 125 MVAR (420kV) Bus Reactor at Nange (GIS) PS (1-Ph units along with one spare unit)	<u>30.11.2026</u>	<u>37.65%</u>	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.
		2.	Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-					2.		Nange (GIS) Pooling Station – Koldam 400 kV D/C line (Triple snowbird) (only one circuit is to be terminated at Koldam while second circuit would be connected to bypassed circuit of Koldam-	

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			Ropar/Ludhiana 400 kV D/C line)				Ropar/ Ludhiana 400 kV D/C line)			
		3.	1 no. of 400 kV line bay at Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit)				3.	Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV D/c line (Triple snowbird), thus forming Nange Ropar/ Ludhiana one line (Triple snowbird)		
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		5.	1x50 MVAR switchable line reactor at Ropar							

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		3.	1 no. of 400 kV line bay at Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit)				3. Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV D/c line (Triple snowbird), thus forming Nange Ropar/Ludhiana one line (Triple snowbird)
		4.	Bypassing one ckt of Koldam – Ropar/Ludhiana 400 kV D/C line (Triple snowbird) at Koldam and connecting it with one of the circuit of Nange Koldam 400 kV D/c line (Triple snowbird), thus forming Nange Ropar/Ludhiana one line (Triple snowbird)				4. 1 no. of 400kV line bay at Koldam S/s for termination of Nange (GIS) Pooling Station – Koldam 400 kV line alongwith 125 MVAR (420 kV) Bus Reactor at Koldam S/s (1-Ph units along with one spare unit)
		5.	1x50 MVAR switchable line reactor				5. 1x50 MVAR switchable line reactor at Ropar
						<u>6.69%</u>	
						<u>3.63%</u>	

Amendment –XXXIII dated 08.04.2024 on the Request for Proposal Document and Transmission Service Agreement issued for selection of bidder as Transmission Service Provider to establish “Transmission system for evacuation of power from Luhri Stage-I HEP” through tariff based competitive bidding process

Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions		
		at Ropar end of Nange- Ropar/ Ludhiana 400 kV line			end of Nange- Ropar/ Ludhiana 400 kV line		