to

RFP documents for selection of Transmission Service Provider through tariff based competitive bidding process to establish transmission system for "Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under phase III –Part A1"

o.	Existing Provisions	Revised Provisions			
R	equest for Proposal Notification Sl. No. 2 & Clause 1.2 of the RFP	Request for Proposal Notification Sl. No. 2 & Clause 1.2 of the RFP Document			
D	ocument and Schedule-1 (b) of TSA	and Schedule-1 (b) of TSA			
S	Name of Transmission Element	S.	S. Name of Transmission Element		
	0.	No.			
1.	Establishment of 2x500 MVA, 400/220 kV pooling station at	1.	Establishment of 5x500 MVA, 400/220 kV pooling station at Fatehgarh-		
	Fatehgarh-4 along with 2x125MVAr Bus Reactor		4 along with 2x125 MVAr Bus Reactor		
	• 400/220 kV, 500 MVA ICT - 2nos.				
	• 400 kV ICT bays - 2 nos.		• 400/220 kV, 500 MVA ICT – 5 nos.		
	• 220 kV ICT bays - 2 nos.		• 400 kV ICT bays - 5 nos.		
	• 400 kV line bays - 2 nos.		• 220 kV ICT bays - 5 nos.		
	• 220 kV line bays- 4 nos.		• 400 kV line bays - 2 nos.		
	• 125 MVAr, 420 kV bus reactor - 2 nos.		220 kV line bays - As per connectivity granted to RE developers		
	• 420 kV reactor bay - 2 nos.		(7 no. of bays considered at present).		
	Future provisions:		• 125 MVAr, 420 kV bus reactor - 2 nos.		
	<ul> <li>Space for 400/220 kV ICTs along with bays: 5 nos.</li> </ul>		• 420 kV reactor bay - 2 nos.		
	<ul> <li>400 kV line bays along with switchable line reactor: 6 nos.</li> </ul>		220kV Sectionalization bay: 1 set		
	<ul> <li>400 kV Bus Reactor along with bays: 2 nos.</li> </ul>		220 kV Bus Coupler (BC) Bay -2 nos.		
	<ul> <li>400 kV Sectionalization bay: 1 no.**</li> </ul>		220 kV Transfer Bus Coupler (TBC) Bay -2 nos		
	• 220 kV line bays: 10 nos.				
	• 220 kV sectionalization bay: 2 nos.**		Future provisions: Space for		
2.	Fatehgarh-4 - Fatehgarh-3 400 kV D/c (twin HLTS)* line				
3.	2 no. of 400 kV line bays at Fatehgarh-3		765/400kV ICTs along with bays: 6 nos.		
	• 400kV line bays - 2 nos.		765kV line bay along with switchable line reactor: 6 nos.		
* Wi	th minimum capacity of 2100 MVA on each circuit at nominal voltage		765kV Bus Reactor along with bays: 3 nos.		
** E	us Sectionalization bay shall comprise of bus sectionalization of both Main		400/220 kV ICTs along with bays: 8 nos.		
Bus-	I & Main Bus-II.		400 kV line bays along with switchable line reactor: 10 nos.		
Not	2:		400kV Bus Reactor along with bays: 2 nos.		
	(i) Provision of suitable sectionalization shall be kept at Fatehgarh-4 at		400kV Sectionalization bay: 2 sets		
	400 kV & 220 kV level to limit short circuit level.		• 220 kV line bays: 13 nos.		
	(ii) Developer of Fatehgarh-3 S/s (new section) to provide space for 2 nos.		220kV Sectionalization bay: 3 sets		
	of 400 kV line bays at Fatehgarh-3 S/s for termination of Fatehgarh-4-		• 220 kV Bus Coupler (BC) Bay -3 nos.		

SI.	Existing Provisions					Revised Pro	visions			
No.										
		Fatehgarh-3 400 kV D/c twin HLTS* line.				• 220 kV Tran	sfer Bus Couple	er (TBC) Bay -3 no	s.	
						2.	Fatehgarh-4- Fatehga	arh-3 400 kV D/	c twin HLTS* line	
						3.	2 no. of 400 kV line l	pays at Fatehgai	rh-3	
							<ul> <li>400kV line k</li> </ul>	pays - 2 nos.		
						* with	n minimum capacity of 2	2100 MVA on ed	ich circuit at nomi	nal voltage
						Note				
						i.	Developer of Fatehgarh	i-3 S/s(new sect	tion) to provide s	pace for 2 nos. of 400
							kV line bays at Fatehgai	rh-3 S/s for tern	nination of Fatehg	arh-4 Fatehgarh-3 400
							kV D/c twin HLTS line.			
						ii.	Scheme to be awarded	d after SECI/ /I	REIA awards first	bid of RE project at
							Fatehgarh-4 pooling sta	tion.		
2.	Claus	e No. 2.6.1 of RFP & Sc	hedule 2 of TSA	ı		Claus	se No. 2.6.1 of RFP & So	hedule 2 of TSA	1	
							T	T	T	
	S.	Name of the		Percentage of		S.	Name of the		Percentage of	
	No.	Transmission Element	COD in months from	Quoted Transmission	which are pre- required for	No.	Transmission Element	COD in months from	Quoted Transmission	are pre-required for declaring the
		Element	Effective	Charges	declaring the		Element	Effective	Charges	commercial
			Date	recoverable on	commercial			Date	recoverable on	
				Scheduled COD	operation (COD)				Scheduled COD	
				of the Element	of the				of the Element	Element
				of the Project	respective				of the Project	
	4	Fatablish was at	40 th	4.000/	Element	1.	Establishment of	18 months	100%	Elements marked
	1.	Establishment of <b>2x500</b> MVA, 400/220	18 months	100%	Elements marked at SI.		5x500 MVA, 400/220 kV pooling			at Sl. No. 1, 2 & 3 are required to be
		kV pooling station at			No. 1, 2 & 3 are		station at			commissioned
		Fatehgarh-4 PS along			required to be		Fatehgarh-4 PS			simultaneously as
		with 2x125 MVAr			commissioned		along with 2x125			their utilization is
		Bus Reactor			simultaneously		MVAr Bus Reactor			dependent on
	2.	Fatehgarh-4 PS-			as their	2.	Fatehgarh-4 PS-			commissioning of
		Fatehgarh-3 PS 400 kV D/c twin HLTS*			utilization is		Fatehgarh-3 PS 400 kV D/c twin HLTS*			each other
		line			dependent on commissioning		line			
	3.	2 no. of 400 kV line			of each other	3.	2 no. of 400 kV line	1		
		bays at Fatehgarh-3					bays at Fatehgarh-3			
		PS					PS			
	* with	n minimum capacity of 2	2100 MVA on ea	ach circuit at nom	inal voltage	* wit	h minimum capacity of	2100 MVA on e	ach circuit at nom	inal voltage

SI.	Existing Provisions				Revised Provisions			
No.								
4.	Schedu	Schedule 5 of TSA			Schedule 5 of TSA			
	S. No.	Name of the Transmission Element	Percentage of Total Transmission Charges payable to the TSP on Commissioning/COD of the	S. No.	Name of the Transmission Element	Percentage of Total Transmission Charges payable to the TSP on Commissioning/COD of the Element		
	1.	Establishment of 2x500 MVA, 400/220 kV pooling station at Fatehgarh-4 PS along with 2x125 MVAr Bus Reactor	100%	2.	Establishment of 5x500 MVA, 400/220 kV pooling station at Fatehgarh-4 PS along with 2x125 MVAr Bus Reactor Fatehgarh-4 PS- Fatehgarh-3 PS 400 kV	100%		
	2. Fatehgarh-4 PS- Fatehgarh-3 PS 400 kV D/c twin HLTS* line 3. 2 no. of 400 kV line bays at Fatehgarh-		3. 2	D/c twin HLTS* line 2 no. of 400 kV line bays at Fatehgarh- 3 PS				
	* with r	3 PS with minimum capacity of 2100 MVA on each circuit at nominal voltage			* with minimum capacity of 2100 MVA on each circuit at nominal voltage			
4.		on "Bid Bond"		Definition "Bid Bond"				
	"Bid Bond" shall mean the unconditional and irrevocable bank guarantee for Rupees Four Crore Forty Lakh Only (Rs. 4.40 Crore), to be submitted along with the Technical Bid by the Bidder under Clause 2.11 of this RFP, as per the format prescribed in Annexure 14;			"Bid Bond" shall mean the unconditional and irrevocable bank guarantee for Rupees Eight Crore Only (Rs. 8 Crore), to be submitted along with the Technical Bid by the Bidder under Clause 2.11 of this RFP, as per the format prescribed in Annexure 14;				
5.	ANNEXURE B of RFP			ANNEX	URE B of RFP			
	Draft Pi	Draft Pre-Award Integrity Pact			re-Award Integrity Pact			
	5. Bid B	ond (Security Deposit)		5. Bid Bond (Security Deposit)				
	<b>5.1</b> Along with the technical bid, the Bidder shall submit Bid Bond for an amount of <b>Rs. 4.40 Crore (Rupees Four Crore Forty Lakh Only)</b> issued by any Banks from the list provided in RFP Document] as Earnest Money/Security Deposit, with the BPC.			amount of Rs. 8 Crore (Rupees Eight Crore Only) issued by any Banks from the				
6.		2.12.1 of RFP		Clause 2.12.1 of RFP				
	Contra	Contract Performance Guarantee			ct Performance Guarantee			
	Within ten (10) days from the date of issue of the Letter of Intent, the Selected Bidder, on behalf of the TSP, will provide to the Nodal Agency the Contract Performance Guarantee for an amount of Rs 6.60 Crore (Rupees Six Crore Sixty Lakh Only). The Contract Performance Guarantee shall be initially valid for a				ten (10) days from the date of issue of the control of the TSP, will provide the mance Guarantee for an amount of Rs 12 ontract Performance Guarantee shall be i	to the Nodal Agency the Contract Crore (Rupees Twelve Crore Only).		

SI.	Existing Provisions					D	evised Provisi	000			
Si. No.		Existing 1 Tovisions					K	evisea Provisi	ons		
140.	neriod	period up to three (3) months after the Scheduled COD of the Project and shall				(3) m	(3) months after the Scheduled COD of the Project and shall be extended from time				
		be extended from time to time to be valid for a period up to three (3) months				, ,	to time to be valid for a period up to three (3) months after the COD of the Project				
		ne COD of the Project ar			` '		hereafter shall be dealt v				
		ovisions of the Transmis					mission Service Agreement.			•	
		ntee shall be issued by a					by any of the banks listed in				
		,	,			issued by any of the burns listed in Almertal C 17.					
7.	ANNEX	(URE 8 -UNDERTAKING	AND DETAILS	OF EQUITY INV	ESTMENT	ANNE	XURE 8 -UNDERTAKING AND	DETAILS OF I	EQUITY INVESTM	ENT	
	Forma	t 1: Bidders' Und	lertakings			Forma	t 1: Bidders' Underta	kings			
		confirm that our Bid		heduled COD o	of each transmission	8. We confirm that our Bid meets the Scheduled COD of each transmission Element					
	Elemer	nt and the Project as spe	ecified below:			and th	and the Project as specified below:				
	S.	Name of the	Scheduled	Percentage	Element(s)	S.	Name of the	Scheduled	Percentage of	Element(s)	
	No.	Transmission	COD in	of Quoted	which are pre-	No.	Transmission Element	COD in	Quoted	which are pre-	
	110.	Element	months	Transmissio	required for	110.	Transmission Element	months	Transmission	required for	
		Liement	from	n Charges	declaring the			from	Charges	declaring the	
			Effective	recoverable	commercial			Effective	recoverable	commercial	
			Date	on	operation (COD)			Date	on Scheduled	operation	
				Scheduled	of the respective				COD of the	(COD) of the	
				COD of the	Element				Element of	respective	
				Element of					the Project	Element	
				the Project		1.	Establishment of 5x500	18	100%	Elements	
	1.	Establishment of	18	100%	Elements		MVA, 400/220 kV	months		marked at SI.	
		2x500 MVA,	months		marked at SI.		pooling station at			No. 1, 2 & 3	
		400/220 kV pooling			No. 1, 2 & 3 are		Fatehgarh-4 PS along			are required to	
		station at			required to be		with 2x125 MVAr Bus			be	
		Fatehgarh-4 PS			commissioned		Reactor			commissioned	
		along with 2x125			simultaneously		• 400/220 kV, 500 MVA			simultaneously	
		MVAr Bus Reactor			as their		ICT – 5 nos.			as their	
		• 400/220 kV, 500			utilization is		• 400 kV ICT bays - 5			utilization is	
		MVA ICT - 2nos.			dependent on		nos.			dependent on	
		• 400 kV ICT bays -			commissioning		• 220 kV ICT bays - 5			commissioning	
		2 nos.			of each other		nos.			of each other	
		• 220 kV ICT bays -					• 400 kV line bays - 2				
		2 nos.					nos.				

SI.	Existing Provisions	Revised Provisions
No.		
	• 400 kV line bays -	220 kV line bays - As
	2 nos.	per connectivity
	• 220 kV line bays-	granted to RE
	4 nos.	developers (7 no. of
	• 125 MVAr, 420 kV	bays considered at
	bus reactor - 2	present).
	nos.	• 125 MVAr, 420 kV bus
	• 420 kV reactor	reactor - 2 nos.
	bay - 2 nos.	• 420 kV reactor bay - 2
	Future provisions:	nos.
	• Space for 400/220	• 220kV
	kV ICTs along with	Sectionalization bay: 1
	bays: 5 nos.	set
	• 400 kV line bays	• 220 kV Bus Coupler
	along with	(BC) Bay -2 nos.
	switchable line	220 kV Transfer Bus
	reactor: 6 nos.	Coupler (TBC) Bay -2
	• 400 kV Bus	nos
	Reactor along	Future provisions: Space
	with bays: 2 nos.	for
	• 400 kV	• 765/400kV ICTs along
	Sectionalization	with bays: 6 nos.
	bay: 1 no.**	• 765kV line bay along
	• 220 kV line bays:	with switchable line
	10 nos.	reactor: 6 nos.
	• 220 kV	• 765kV Bus Reactor
	sectionalization	along with bays: 3
	bay: 2 nos.**	nos.
		• 400/220 kV ICTs along
2.	Fatehgarh-4 PS-	with bays: 8 nos.
	Fatehgarh-3 PS	400 kV line bays along
	400 kV D/c twin	with switchable line
	HLTS* line	reactor: 10 nos.
3.	2 no. of 400 kV line	• 400kV Bus Reactor
	bays at Fatehgarh-3	along with bays: 2

SI.	Existing Provisions	Revised Provisions			
No.	400kV line	nos.			
	bays - 2 nos.	• 400kV			
	* with minimum capacity of 2100 MVA on each circuit at nominal voltage	Sectionalization bay: 2			
	** Bus Sectionalization bay shall comprise of bus sectionalization of both Main	sets			
	Bus-I & Main Bus-II.	• 220 kV line bays: 13			
		nos.			
		• 220kV			
		Sectionalization bay: 3			
		sets			
		• 220 kV Bus Coupler			
		(BC) Bay -3 nos.			
		• 220 kV Transfer Bus			
		Coupler (TBC) Bay -3			
		nos.			
		2. Fatehgarh-4 PS- Fatehgarh-3 PS 400 kV			
		D/c twin HLTS* line			
		3. 2 no. of 400 kV line bays			
		at Fatehgarh-3			
		• 400kV line bays - 2			
		nos.			
		* with minimum capacity of 2100 MVA on each circuit at nominal voltage			
8.	Clause 3.1.1 of ARTICLE: 3 of TSA	Clause 3.1.1 of ARTICLE: 3 of TSA			
	The Selected Bidder, on behalf of the TSP, will provide to the Central	The Selected Bidder, on behalf of the TSP, will provide to the Central Transmission			
	Transmission Utility of India Limited (being the Nodal Agency) the Contract	Utility of India Limited (being the Nodal Agency) the Contract Performance			
	Performance Guarantee for an amount of Rs 6.60 Crore (Rupees Six Crore Sixty	Guarantee for an amount of Rs 12 Crore (Rupees Twelve Crore Only).			
	Lakh Only).				
9.	Clause 3.3.1 of ARTICLE: 3 of TSA	Clause 3.3.1 of ARTICLE: 3 of TSA			
	3.3.1 If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the	3.3.1 If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the			
	TSP even within three (3) Months after the time specified therein, then	TSP even within three (3) Months after the time specified therein, then on			
	on and from the expiry of such period and until the TSP has satisfied all	and from the expiry of such period and until the TSP has satisfied all the			
	the conditions specified in Article 3.1.3, the TSP shall, on a monthly basis,	conditions specified in Article 3.1.3, the TSP shall, on a monthly basis, be			
	be liable to furnish to Central Transmission Utility of India Limited (being	liable to furnish to Central Transmission Utility of India Limited (being the			

SI.	Existing Provisions	Revised Provisions
No.		
	the Nodal Agency) additional Contract Performance Guarantee of <b>Rs 0.66 Crore (Rupees Sixty Six Lakh Only)</b> within two (2) Business Days of expiry of every such Month. Such additional Contract Performance Guarantee shall be provided to Central Transmission Utility of India Limited (being the Nodal Agency) in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. Central Transmission Utility of India Limited (being the Nodal Agency) shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.	Nodal Agency) additional Contract Performance Guarantee of <b>Rs 1.20 Crore</b> (Rupees One Crore Twenty Lakh Only) within two (2) Business Days of expiry of every such Month. Such additional Contract Performance Guarantee shall be provided to Central Transmission Utility of India Limited (being the Nodal Agency) in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. Central Transmission Utility of India Limited (being the Nodal Agency) shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.
10.	Clause 3.3.3 of ARTICLE: 3 of TSA	Clause 3.3.3 of ARTICLE: 3 of TSA
	3.3.3 If the Nodal Agency elects to terminate this Agreement as per the provisions of Article 3.3.2, the TSP shall be liable to pay to the Nodal Agency an amount of <b>Rs 6.60 Crore (Rupees Six Crore Sixty Lakh Only)</b> as liquidated damages. The Nodal Agency shall be entitled to recover this amount of damages by invoking the Contract Performance Guarantee to the extent of liquidated damages, which shall be required by the Nodal Agency, and the balance shall be returned to TSP, if any.	3.3.3 If the Nodal Agency elects to terminate this Agreement as per the provisions of Article 3.3.2, the TSP shall be liable to pay to the Nodal Agency an amount of <b>Rs 12 Crore (Rupees Twelve Crore Only)</b> as liquidated damages. The Nodal Agency shall be entitled to recover this amount of damages by invoking the Contract Performance Guarantee to the extent of liquidated damages, which shall be required by the Nodal Agency, and the balance shall be returned to TSP, if any.
	It is clarified for removal of doubt that this Article shall survive the termination	It is clarified for removal of doubt that this Article shall survive the termination of
	of this Agreement.	this Agreement.
11.	Clause 6.5.1 of ARTICLE: 6 of TSA	Clause 6.5.1 of ARTICLE: 6 of TSA
	6.5.1 The Contract Performance Guarantee as submitted by TSP in accordance with Article 3.1.1 shall be released by the Nodal Agency within three (3) months from the COD of the Project. In the event of delay in achieving Scheduled COD of any of the Elements by the TSP (otherwise than due to reasons as mentioned in Article 3.1.3 or Article 11) and consequent part invocation of the Contract Performance Guarantee by the Nodal Agency, Nodal Agency shall release the Contract Performance Guarantee, if any remaining unadjusted, after the satisfactory completion by the TSP of all the requirements regarding achieving the Scheduled COD of the remaining Elements of the Project. It is clarified that the Nodal Agency shall also return / release the Contract Performance Guarantee in the	6.5.1 The Contract Performance Guarantee as submitted by TSP in accordance with Article 3.1.1 shall be released by the Nodal Agency within three (3) months from the COD of the Project. In the event of delay in achieving Scheduled COD of any of the Elements by the TSP (otherwise than due to reasons as mentioned in Article 3.1.3 or Article 11) and consequent part invocation of the Contract Performance Guarantee by the Nodal Agency, Nodal Agency shall release the Contract Performance Guarantee, if any remaining unadjusted, after the satisfactory completion by the TSP of all the requirements regarding achieving the Scheduled COD of the remaining Elements of the Project. It is clarified that the Nodal Agency shall also return / release the Contract Performance Guarantee in the event of (i) applicability

SI.	Existing Provisions	Revised Provisions
No.		
	event of (i) applicability of Article 3.3.2 to the extent the Contract	of Article 3.3.2 to the extent the Contract Performance Guarantee is valid for
	Performance Guarantee is valid for an amount in excess of Rs 6.60 Crore	an amount in excess of Rs 12 Crore (Rupees Twelve Crore Only), or (ii)
	(Rupees Six Crore Sixty Lakh Only), or (ii) termination of this Agreement	termination of this Agreement by the Nodal Agency as mentioned under
	by the Nodal Agency as mentioned under Article 3.3.4 of this Agreement.	Article 3.3.4 of this Agreement.
12.	Clause 14.3.1 of ARTICLE: 14 of TSA	Clause 14.3.1 of ARTICLE: 14 of TSA
	14.3.1 A Party ("Indemnifying Party") shall be liable to indemnify the other Party ("Indemnified Party") under this Article 14 for any indemnity claims made in a Contract Year only up to an amount of Rs 0.44 Crore (Rupees Forty Four Lakh Only).	14.3.1 A Party ("Indemnifying Party") shall be liable to indemnify the other Party ("Indemnified Party") under this Article 14 for any indemnity claims made in a Contract Year only up to an amount of Rs 0.80 Crore (Rupees Eighty Lakh Only).
13.	RFP	RFP
	"Specific Technical Requirement for Substation"	"Specific Technical Requirement for Substation"
	B.3.0 Substation Support facilities	B.3.0 Substation Support facilities
	B.3.1 AC & DC power supplies	B.3.1 AC & DC power supplies
	(i)For LT Supply at each new Substation, two (2) nos. of LT Transformers () shall be provided <b>out of which one shall be connected with SEB/DISCOM supply and other one shall be connected to tertiary of Transformer.</b>	(i)For LT Supply at each new Substation, two (2) nos. of LT Transformers () shall be provided from independent sources as per the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.
14.	RFP	RFP
	"Specific Technical Requirement for Substation"	"Specific Technical Requirement for Substation"
	B.3.0 Substation Support facilities	B.3.0 Substation Support facilities

SI.	Existing Provisions	Revised Provisions
No.		
	B.3.1 AC & DC power supplies	B.3.1 AC & DC power supplies
	<b></b>	
	(ii) 2 sets of 220V battery banks for control & protection and 2 sets of 48V	(ii) 2 sets of 220V battery banks for control & protection and 2 sets of 48V battery
	battery banks for PLCC/ communication equipment shall be provided at each	banks for PLCC/ communication equipment shall be provided at each
	new Substation. Each battery bank shall have a float-cum-boost charger. <b>Battery</b> shall be of VRLA type. At new substation, sizing of 220 V battery and battery	new Substation. Each battery bank shall have a float-cum-boost charger. At new substation, sizing of 220 V battery and battery charger shall be done based on the
	charger shall be done based on the number of bays specified (including future	number of bays specified (including future bays) as per CEA Regulations and
	bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for	relevant IS. 2 sets of 48 V battery banks for PLCC and communication equipment
	PLCC and communication equipment shall be provided at each new Substation	shall be provided at each new Substation with at least 10-hour battery backup
	with at least 10-hour battery backup and extended backup, if required	and extended backup, if required.