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Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				

1.	Price schedule	Quantity for Installation of Stub for 3.0	In price schedule of TL02 –	Bidder understanding
	TL02	m raised chimney for 66KV D/C WZ6	schedule -2- line item no.	is correct. Kindly
	Schedule 2 line	DA 5MM ICE is 0.01	1040 – of Mudh Nyoma Koyul T/L- Quantity of Installation of DA type	Refer Amendment
	item 1040		Stub is given as 0.01 Each which we understand that inadvertently a	TL02.
			typo error, please confirm and provide the revised details.	
2.	Price schedule		Quantity of backfilling and levelling not provided in the erection	Quantity of
	TL01 & TL02		schedule of protection of tower footing for TL01 & TL02 . We	protection for tower
	Schedule 2		understand that it is inadvertently missed, please conform and	footing is already
			provide the quantities.	indicated in provided
				schedule. Bidder may
				refer the same.
3.	Price schedule	Total quantity of Towers and Leg	There is variation in the total quantities of Towers and leg extensions	Bidder to quote for
	TL01 Schedule 2	extension are indicated in price schedule.	of line no2 (Himya – Mudh Nyoma Part1) of TL-01. Please confirm	the item/quantities
			and provide the revised quantities.	as given in price
				schedule.
4.	Cl 1.0 of Section IV	A Galvanized tower of each type	As per Cl 1.0 of Section IV B, Vol II it has been mentioned that	Kindly refer file
	B, Vol II of	complete with 0m extension for 765 kV &	Galvanized tower of each type complete with 0m extension for 765 kV	"REVISED 01 1
	Technical	with +9M extension for 400 kV, 220 kV &	& with +9M extension for 400 kV, 220 kV & 132 kV shall be subjected	Section IA
	speciation.	132 kV shall be subjected to design and	to design and destruction tests by first applying test loads applied in a	(standard)ScopeRev-
	·	destruction tests by first applying test	manner approved by the Employer. However, it may please be	6 (Feb'2023)"
		loads applied in a manner approved by	informed that nothing has been mentioned for 66 KV Tower. Please	ΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥΥ
		the Employer.	confirm the extension with which the destruction test is to be carried	
		, -	out.	
5.	Cl 5.3 of Section	Scope of Quality Assurance Mechanism	As per Cl 5.3 of Section IA, Vol II, it has been mentioned that the Nodal	Bidder may refer the
-	IA, Vol II of	by RDSS Nodal Agency (REC/PFC): The	Agency (REC/PFC) shall carry out concurrent inspection of works	provision of the
	,	Nodal Agency (REC/PFC) shall carry out		Bidding document.
L				

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.	Ref. Clause No.		bluder's Query/Comment	POWERGRID Reply
140.				
	technical	concurrent inspection of works through	through TPQMA. We understand that any cost towards hiring of	
	specification	TPQMA. To enable the same, the	TPQMA will be in Employer / Owner scope	
	speemeation	Employers shall share the physical and		
		financial progress of the works through		
		portal of the scheme or otherwise. In		
		addition to the above, the Nodal		
		Agencies may also carry out concurrent		
		quality monitoring on random sample		
		basis as per the need through its		
		own/TPQMA manpower. TPQMA shall		
		also verify quality of works carried out in		
		the Project after site visits. The sample		
		size for inspection/verification of works		
		completed (the indicative sample size is		
		applicable only for fully completed		
		works) is given below: i. 100% New		
		Power Substations ii. 100% Augmented		
		Substations iii. 5% of HT feeders (in terms		
		of sanctioned/awarded length of project		
		i.e district covering at least 5% of total		
		sanctioned number of HT feeders) for		
		each voltage level and/configuration		
		(OH/AB/UG/HVDS) including bay		
		extensions as applicable. iv. 5% of HT		
		feeder reconductoring/replacement/		
		renovation work (in terms of		
		sanctioned/awarded length of project i.e		
		district covering at least 5% of total		

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				
		sanctioned number of HT feeders) for		
		each voltage level and configuration		
		(OH/AB/UG). v. 5% of new DTR		
		Substations (11/0.4KV), for each KVA		
		levels. vi. 5% of capacity augmentation of		
		DTR Substations (11/0.4 KV), for each		
		KVA levels. vii. 5% of LT lines (in terms of		
		sanctioned/awarded length of Project i.e.		
		District/Circle) for each configuration		
		(OH/AB/UG). viii. 5% of LT lines		
		reconductoring/replacement/renovation		
		work (in terms of sanctioned/awarded		
		length of project i.e. District/Circle) for		
		each configuration (OH/AB/UG). ix. 5% of		
		any other works sanctioned in DPR with		
		sanctioned value more than 5% of		
		sanctioned cost. x. IT/OT/SCADA/DMS		
		infrastructure – primarily at system		
		level/field level for high level functional		
		checks. 5.3.2 Field Works Quality		
		Inspection: The TPQMA shall carry out		
		field inspections for each project area		
		(District/Package) in 3 (three) stages i.e		
		on completion of 30% (Stage-I) and 70%		
		(Stage-II) of Financial progress		
		corresponding to the physical progress		
		respectively and a final inspection (Stage-		
		III) for verification of rectification of		

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				
		defects/ discrepancies/nonconformities identified in the previous stage of inspection.		
6.	Section IA, Clause No. – 3.4	Live metal clearances (Swing clearances) are mentioned.	We presume electrical clearances are given from tower members ignoring bird guard, accordingly bird guard will not be considered for electrical clearances. Kindly confirm	Towers have to be designed considering live metal clearances from any tower/tower parts including tower accessories viz bird guard, step bolts etc.
7.	SECTION-I A Scope, Clause No. 2.1.3	The towers are of the following types: A) Double Circuit Indicative sketch of the tower shall be same.	As per specification, 66kV towers are double circuit towers only. Please confirm	Towers are of Double circuit.
8.	SECTION-I A Scope, Clause No. 2.2.1, Note no. 4	Technical requirement for Transposition tower for Lines is mentioned	For 66kV line transposition tower is not required. Please confirm	Presently Transposition tower is not envisaged in the subject project.
9.	SECTION-I A Scope, Clause No. 3.4, Live Metal Clearance	The minimum live metal clearance to be provided between the live parts and steel work of superstructure are given	Kindly clarify the live metal clearance given in clause no. 3.4 is applicable to all 66kV line or not, as the lines are of different altitude. Also Please confirm the values specified are with altitude correction factor and we don't have to consider any additional clearance	Specified values are with altitude correction factor.
10.	SECTION-I A Scope, Clause No. 3.5, Sag Tension Condition	Different sag tension condition are specified.	As per this clause, Ice is to be considered in Calculation. Kindly specify the density of Ice	Bidder may refer IS 5613 for density of ice
11.	SECTION-I A Scope, Clause No.	Initial/everyday condition for conductor is specified for sag tension calculation	For Sr. No. 1, initial tension criteria is to be considered. Please provide temperature shift to be considered for initial condition criteria	Initial/everyday condition for

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				
12.	3.5, Sr. No. 1, Sag Tension Condition SECTION-I A Scope, Clause No. 3.6, Tower Loading Conditions	Tower Loading Conditions are specified.	For load calculations on tower, please confirm if initial or final conductor tensions are to be considered	conductor is specified as a starting condition for sag tension calculation not for conductor creep compensation final conductor tensions are to be considered.
13.	SECTION-I A Scope, Clause No. 3.6, Tower Loading Conditions	Tower Loading Conditions are specified.	As per specification, Tower is to be designed as per IS 802, But Ice Shedding Condition is not mentioned in IS 802. Kindly specify codal provision for the same.	Bidder may refer Technical specification.
14.	Price Schedule- Line Item no. 38- 40, Supply of Aviation		Kindly provide the specifications for aviation lights.	Bidder may refer Cl. 1.3.6 of sec- IV C of Technical Specification
15.	General	Being LPDD is owner of project	Can we consider JKPDD or LPDD approved vendors for material, If yes, request you to kindly provide us the vendor list for the same.	Bidder may refer provisions of the bidding document.
16.	Clause no. 3.1.1 & 3.6 (F)	As per clause no. 3.1.1 Design span or Normal span for 66 KV is 200m, However as per clause no. 3.6 (F) sag tension required for 500m individual span for DD type tower	So, For tower design which sag tension is applicable - 500m or 200m. Kindly clarify.	Sag tension for tower design is to be calculated considering 200 m span. However

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Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				
				vertical separation i.e.
				phase to phase air
				clearance shall be
				calculated using
				formula given in CBIP
				manual
				corresponding to sag
				for span of 500 m.
				Bidder may refer
				amended sec- IA of
				Technical
				Specification.
17.	General	Tender BOQ has tower qty in nos. not in	Kindly furnish the tower tonnage of each type of A, B, C &D type of	Design of tower
		tonnage.	tower including stub, cleats, and extensions.	/foundation are
				under the scope of
				contractor and
				accordingly Bidder
				has to quote for each
				type of
				tower/stub/extension
				as indicated in BOQ
18.	General	General	Kindly furnish the tentative tower spotting data or line route for	Based on design
			project. Which is envisaged for tender preparation.	criteria and tower
				design, contractor
				shall develop tower
				spotting data. For
				getting acquittance of

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				
		•		
				line route, bidder may
				visit the sites.
19.	Part-1, Section-1,		66kV D/C Transmission Line Package	Himya – Mudh
	Brief description		a. Kharu Tangste	Nyoma is a single line,
	of Scope of		b. Himya-Mudh Nyoma part 1	however it has been
	Works, (TL01 &		c. Tangste Phobrang	split in two parts for
	TL02) &		d. Tangste Chushul	execution purpose.
	Part_2_(1_of_10),			
	Section IA		66kV D/C Transmission Line Package	
			a. Himya- Mudh Nyoma part -2,	
			b. Mudh Nyoma-Koyul	
			c. Mudh Nyoma- Korzok	
			d. Mudh Nyoma- Hanle	
			As per the given scope of work, you have mentioned the Himya- Mudh	
			Nyoma as Part-1 & Part-2 line in both the tenders. Please clarify that	
			whether the lines is to be treated single or as two different lines. Also	
			as per Section IA (Scope), Following 66kV Lines are to be constructed	
			in Changthang Region of Leh :-	
			a. Kharu-Tangste – Altitude up to 5600m	Bidder may refer
			b. Kharu- Mudh Nyoma, – Altitude up to 4700m	amended file Sec- IA
			c. Tangste- Phobrang– Altitude up to 4500m)	of technical
			d. Tangste- Chushul – Altitude up to 5100m	specification:
			e. Mudh Nyoma-Koyul – Altitude up to 4600m	
			f. Mudh Nyoma- Korzok-– Altitude up to 5300m	"REVISED 01_1
			g. Mudh Nyoma- Hanle- Altitude up to 4500m)	Section IA
				(standard)ScopeRev-
				6 (Feb'2023)"

Specification No.:.

CC/NT/W-TW/DOM/A06/23/07694 (TL01)

CC/NT/W-TW/DOM/A06/23/07696 (TL02)

Sr. No.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
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-				
			We understand that the Kharu- Mudh Nyoma line will be same as we	
			have mentioned in above query & will start from himya instead of	
			Kharu	
20.	Part -3 CCC &	3.Progressive payments (Erection):	Can be raised RA bills for Civil & Erection works & Civil works payment	Provisions of the
	clause no. 3.1	3.1. First Instalment(90%):	terms are not mentioned, please clarify.	bidding document are amply clear.
		Ninety percent (90%) payments against		
		Erection contracts shall be paid on		
		erection, testing and commissioning of		
		works and on submission of relevant		
		documents indicated herein under:		
21	Appendix-1		As per Part-3 (Conditions of Contract and Contract form), Appendix-1	Provisions of the
	(Terms and		(Terms and Procedures of Payment) Clause A, Sr. no.1(i) - Advance	bidding document are
	Procedures of	A. Supply, Erection, Testing and	payment on supply portion is 15% of contract price for contract part-	amply clear.
	Payment), Part-3	Commissioning of works under RDSS:	I which shall be released in 2 installments of 7.5% each against	
		1.Advance payment (Optional)	submission of bank guarantee equivalent to 110% of the installment	
			values respectively but as per clause (c) 2 nd installment is due for	
			release once 1 st installment gets adjusted.	
			c. Submission and acceptance of unconditional & irrevocable part Bank Guarantees (in two (02) equal installments) in favor of employer with total amounting to 110% of total advance amount as per proforma attached with	
			Form:7, Section -8 of Part -3 (Contract Forms). For release of the <u>Ist</u>	
			Installment of advance the Bank Guarantee equal to 110% of Ist Installment	
			amount shall be taken. Once it gets adjusted and the 2nd installment is due	
			for release, the Bank Guarantee for the 2^{nd} instalment equal to 110% of 2^{nd}	
L				

Specification No.:.

C	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	DOW/EDCDID Bonly
Sr. No.	Ref. Clause No.	Existing / Provision	blader's Query/Comment	POWERGRID Reply
NO.				
			 Whereas, in last paragraph of the section it is mentioned that the bidder must utilize first advance installement of 7.5% of ex-works supply component before requesting for second advance installment. e. Detailed PERT Network/Bar chart and its approval by the Employer. The bidder must utilize first advance installment of 7.5% of ex-works supply component before requesting for second advance installment. Second installment of 7.5% shall be released on submission of Contractor's invoice, bank guarantee equal to 110% of the advance installment and satisfactory utilization certificate supported with documentary evidences of first advance installment. Please confirm and clarify which clause will be applicable on the above mentioned contract. 	
22	Appendix-1 (Terms and Procedures of Payment), Part-3	 A. Supply, Erection, Testing and Commissioning of works under RDSS: 1.Advance payment (Optional) 	As per Part-3 (Conditions of Contract and Contract form), Appendix-1 (Terms and Procedures of Payment) Clause A, Sr. no.1(ii) – Installation services contract (Contract Part-II) Interest bearing mobilization advance is 10% of contract price for contract part-II which shall be released in 2 installments of 5% each against submission of bank guarantee equivalent to 110% of the installment values respectively but as per clause (c) 2 nd installment is due for release once 1 st installment gets adjusted. c. Submission and acceptance of unconditional & irrevocable part Bank Guarantees (in two (02) equal installments) in favor of employer with total amounting to 110% of total advance amount as per proforma attached with	Provisions of the bidding document are amply clear.

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				
			Form:7, Section – 8 of Part -3 (Contract Forms). For release of the Ist Installment of advance the Bank Guarantee equal to 110% of Ist Installment amount shall be taken. Once it gets adjusted and the 2nd installment is due for release, the Bank Guarantee for the 2 nd instalment equal to 110% of 2 nd Installment amount shall be taken. The said Bank Guarantees shall be initially valid upto end of thirty (30) days after the scheduled month of erection of materials and shall be extended from time to time till thirty (30) days beyond revised scheduled month of erection of materials, as may be required under the Contract.	
			Whereas, in last paragraph of the section it is mentioned that the bidder must utilize first advance installement of 5% of contract price for contract part-II before requesting for second advance installment.	
			The bidder must utilize first advance installment of 5% of Contract Price for Contract Part II before requesting for second advance installment. Second installment of 5% shall be released on submission of Contractor's invoice, bank guarantee equal to 110% of the advance installment and satisfactory utilization certificate supported with documentary evidences of first advance installment.	
			Please confirm and clarify which clause will be applicable on the above mentioned contract.	
23	Appendix-1 (Terms and Procedures of Payment), Part-3	 Progressive payments (Supply of Plant): 2.1 First Installment (60%): 	Progressive Payments of Supply – As per clause no. 2.1.c of Part-3 – It is mentioned that bidder have to provide Evidence of dispatch but in bracket it is mentioned that R/R or receipted L/R is to be provided. From which we understand that payment is to be made on dispatch of material, Please confirm.	Provisions of the bidding document are amply clear.

Specification No.:.

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply
No.				

			c. Evidence of dispatch (R/R or receipted L/R)	
24	Appendix-1 (Terms and Procedures of Payment), Part-3	 Progressive payments (Supply of Plant): 2.2 Second Installment (30%): 	As per clause no.(I) of 2.2 of Part-3 – 30% payment of 2 nd installment is to be released on " submission of certificate on measurement book by project manager that materials under consideration have been erected, tested and commissioned as per technical specification, scope of work and approved drawings." From this we understand that this payment is conditional which will be released on successful completeion of erection for the supplied material (towers/line material etc.), Please confirm.	Provisions of the bidding document are amply clear.
25	Appendix-1 (Terms and Procedures of Payment), Part-3	 A. Supply, Erection, Testing and Commissioning of works under RDSS: 3. Progressive payments (Erection): 	As per clause no. 3.1 of Part-3 – "Ninety percent payment against erection contract shall be paid on erection, testing and commissioning of works". From the above clause we understand that testing and commissioning is inadvertantly mentioned here and it should be erection only – Please confirm.	Provisions of the bidding document are amply clear and shall remain unchanged.
26	Appendix-1 (Terms and Procedures of Payment), Part-3	 A. Supply, Erection, Testing and Commissioning of works under RDSS: 3. Progressive payments (Erection): 	As per clause no. d of 3.1 of Part-3 – Bidder has to provide "Material reconciliation statementconsisting of the materials utilized for erection, testing and commissioning vis-à-vis erection activity of the lot of villages." From above clause we understand that material reconcilation of erected material is to be provided along with the raised invoices,	Provisions of the bidding document are amply clear and shall remain unchanged.

Specification No.:. CC/NT/W-TW/DOM/A06/23/07694 (TL01)

CC/NT/W-TW/DOM/A06/23/07696 (TL02)

Sr.	Ref. Clause No.	Existing /Provision	Bidder's Query/Comment	POWERGRID Reply		
No.						
			testing and commissioning is inadvartantly mentioned here, Please confirm.			
27	Clause 12.3, GCC, Part-3	12. Terms of Payment: <the 1.50%<br="" be="" eligible="" employer="" for="" shall="">of rebate of invoice value (excluding GST) in the event it makes payment to the Contractor within 10 days of receipt of invoices complete in all respect.></the>	As per clause no. 12.5 of Part-3 – " The employer shall be eligible for 1.50% of rebate of invoice value (excluding GST) in the event it makes payment to the contractor within 10 days of receipt of invoices complete in all respect." Request you to please delete above clause from the tender documents.	Provisions of the bidding document shall remain unchanged.		
28	Appendix-2:PRICE ADJUSTMENT, Part-3	Appendix-2 : PRICE ADJUSTMENT	As per Appendix-2 Price Adjustment, PV is applicable on Tower and Conductor only. As the completion period is 30 months and there is a huge fluctuations in commodity prices, we request you to kindly allow Price Adjustment on all the items in line with RTM packages floated by PGCIL.	Provisions of the bidding document shall remain unchanged.		
29	Form 16, Price Adjustment Data Part-1; Appendix- 2: PRICE ADJUSTMENT, Part-3	Appendix-2 : PRICE ADJUSTMENT 	As per the form, Price Adjustment in structure in not mentioned in the format but in appendix 2 of form 5 part-3. Price Adjustment formula for structure is mentioned. We assume that PV is applicable for structure, Erection & Civil Works also. Please Confirm.	Items on which PV is applicable is indicated in Appendix 2 to Contract Form, Part 3 of the Bidding Document.		
