

Clarification to Bidders Queries-II

Substation Package SS & LILO- 01 for (a) 2X 50 MVA, 220/33 kV Nagrota (New) substation including (b) LILO of 220kV Kishenpur-Barn on D/C Tower at Nagrota Substation associated with Transmission System Strengthening under PMDP Sceme-15”

(Specification No.: RECTPCL/PIA/JKPDD/SS & LILO-01of 2017)
QUERIES/CLARIFICATIONS ON BID SPECIFICATION

SI No	ENQUIRY SPECIFICATION				Specification Requirement	Comment / Query	Employer's Clarification to Bidders Query
	VOL	SECTION	PAGE NO.	CLAUSE NO.			
1	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1358/1369	I. R. 20.0	Miscellaneous Steel - 20 MT	Please clarify meaning of subject item - "Miscellaneous Steel". Also, there is no line item for Reinforcement steel for Nagrota Substation in the BPS. Kindly include the same in the BPS.	Bidders may please refer Vol-II,Section XVII, Civil Works, Clause No. 21.8 for Miscellaneous steel. Reinforcement steel shall not be measured separately and therefore not included in BPS. Please refer clause no. 21.6 for reinforcement steel.
2	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1359/1369	II. 2.1 (ii), (iii) & (iv)	Detailed Soil Investigation ii) Fissured Rock iii) Hard Rock iv) River Crossing Location	i) Please note that any quantity is not indicated against subject items in price schedule. Please provide quantity of the same in order to enable us to quote the same and to maintain uniformity of price bids across all bidders. ii) Please clarify meaning of unit "Loc." mentioned in subject clauses as it is not clear.	Bidder is to quote as per provision of BPS. Loc. means Location
3	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1359/1369	II. 4.0 (ii), (iii)	Benching ii) Fissured Rock iii) Hard Rock	i) Please note that any quantity is not indicated against subject items in price schedule. Please provide quantity of the same in order to enable us to quote the same and to maintain uniformity of price bids across all bidders. ii) Pre-bid clarifications previously issued by RECTPCL against subject clauses mention - "Bidders are requested to visit the site and carry out the soil investigation to access the type of soil and quote accordingly." - Please note that it may not be possible to carry out "soil investigation to access the type of soil" at tendering stage itself (even more so when Acquisition of land is in process by customer as indicated in pre-bid clarifications) , therefore please kindly provide quantity of subject items in order to enable us to quote the same and also to maintain uniformity of price bids across all bidders.	Bidders may note that fissured Rock and Hard rock is not envisaged at present. Site visit was advised so that contractor/bidder satisfy themselves before quoting as per provision of BPS.
4	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1359/1369	II. 5.1 (iii)	Excavation in various type of Soils iii) Dry Fissured Rock	i) Please note that any quantity is not indicated against subject items in price schedule. Please provide quantity of the same in order to enable us to quote the same and to maintain uniformity of price bids across all bidders. ii) Pre-bid clarifications previously issued by RECTPCL against subject clauses mention - "Bidders are requested to visit the site and carry out the soil investigation to access the type of soil and quote accordingly." - Please note that it may not be possible to carry out "soil investigation to access the type of soil" at tendering stage itself (even more so when Acquisition of land is in process by customer as indicated in pre-bid clarifications) , therefore please kindly provide quantity of subject items in order to enable us to quote the same and also to maintain uniformity of price bids across all bidders.	Bidders may note that dry fissured rock is not envisaged at present. Site visit was advised so that bidder satisfy themselves before quoting as per provision of BPS.

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5	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1359/1369	II. 6.0 a),b),c),d)	Protection of tower Footings (supply and installation)	<p>i) Please note that quantity is indicated "0" against subject items in price schedule. Therefore please confirm whether bidder has to quote any unit price against subject items or not.</p> <p>ii) Also please clarify meaning / significance of quantity "0" in subject items - does it mean that these items are not relevant / required / applicable in subject project and are not to be quoted ? Please kindly clarify since the same is not clear.</p>	Bidder is to quote as per provision of BPS.
6	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1359/1369	II. 7.0c)	Transportation & installation of Earthing for towers c) River crossing tower	<p>i) Please note that any quantity is not indicated against subject items in price schedule. Please provide quantity of the same in order to enable us to quote the same and to maintain uniformity of price bids across all bidders.</p>	Bidder is to quote as per provision of BPS.
		Second Envelope (Price Schedule) Schedule - 1	1344/1369	II. 2.0 c)	Supply of Earthing for towers c) River crossing tower	<p>ii) Please kindly note that unit of subject item is in "kgs". Please clarify.</p> <p>iii) Please clarify meaning of "Transportation" as we understand that same may be already covered in Schedule-2 - "Local Transportation".</p>	Bidder is to quote as per provision of BPS.
7	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1360/1369	II. 9.0 - 9.6	<p>9.0 Transportation of the following Line materials</p> <p>9.1 ACSR "Zebra" Conductor</p> <p>9.2 Optical Fiber Ground Wire (24 fibre DWSM)</p> <p>9.3 Optical Fiber Ground Wire (48 fibre DWSM)</p> <p>9.4 COMPOSITE LONG ROD INSULATORS</p> <p>9.5 Hardware Fittings</p> <p>9.6 Accessories for Conductor and OPGW</p>	<p>i) Please clarify meaning of "Transportation" as we understand that same may be already covered in Schedule-2 - "Local Transportation".</p> <p>ii) If subect clause is referring to Transportation only, then kindly confirm in which item of price schedule, installation charges of these items are to be quoted since the same is not clear.</p>	Bidder may please refere Amendment-5 in this regard.
8	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1360/1369	<p>II. 10 a) i), 10 b), 11.1 a), 11.1 b), 11.2 ii) a) & b), 12</p>	<p>10.0 Installation of insulator strings complete for the line.</p> <p>a) Normal Strech i) Single circuit b) River Crossing stretch (Double Circuit)</p> <p>11.0 Aviation requirements</p> <p>11.1 Painting of towers a) Normal tower b) River Crossing Tower</p> <p>11.2 ii) Obstruction lights a) 1 Medium + 2 low intensity b) 1 Medium + 4 low intensity</p> <p>12.0 River Crossing Foundation (Open cast including Raised Chimney)</p>	<p>i) Please note that quantity is indicated "NIL" against subject items in price schedule. Therefore please confirm whether bidder has to quote any unit price against subject items or not.</p> <p>ii) Also please clarify meaning / significance of quantity "NIL" in subject items does it mean that these items are not relevant / required / applicable in subject project and are not to be quoted ? Please kindly clarify since the same is not clear.</p>	Bidder is to quote as per provision of BPS.

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	VOL	SECTION	PAGE NO.	CLAUSE NO.			
9	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1360/1369	II.11.2 i)	Transportation and installation of following i) Span markers - Sets	Please note that any quantity is not indicated against subject items in price schedule. Please provide quantity of the same in order to enable us to quote the same and to maintain uniformity of price bids across all bidders.	Bidder is to quote as per provision of BPS.
		Second Envelope (Price Schedule) Schedule - 1	1345/1369	II.5.3 i)	Supply of following items for aviation requirements i) Span markers - Nos.		Bidder is to quote as per provision of BPS.
10	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1356/1369	I.G. a) (ii) a G. B. 2.0 i) G. B. 3.0	G. A. ii) Optical Interface Cards/SFP# Nagrota - S4.1 SFP Kishenpur - S4.1 SFP	i) Please note that quantity is indicated "0" against subject items in price schedule. Therefore please confirm whether bidder has to quote any unit price against subject items or not. ii) Also please clarify meaning / significance of quantity "0" in subject items - does it mean that these items are not relevant / required / applicable in subject project and are not to be quoted ? Please kindly clarify since the same is not clear.	Bidder is to quote as per provision of BPS.
		Second Envelope (Price Schedule) Schedule - 1	1340/1370	I.G. a) (ii) a G. B. 2.0 i) G. B. 3.0	G. B. 2.0 i) Barn - Craft terminal - Hardware/Software G. B. 3.0 VOIP telephone instrument - Barn		Bidder is to quote as per provision of BPS.
11	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1360/1369	II.9.5 d)	d) Double Tension String	Please note that any unit is not indicated against subject item in price schedule. Please provide the same.	Bidder may please refer Amendment-5 in this regard.
		Second Envelope (Price Schedule) Schedule - 1	1344/1369	II.4.5 d)			
12	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1360/1369	II.11.2 ii) a) & b)	11.2 ii) Obstruction lights a) 1 Medium + 2 low intensity b) 1 Medium + 4 low intensity	Please note that any unit is not indicated against subject items in price schedule. Please provide the same.	Bidder is to quote as per provision of BPS.
13	VOL-III	Second Envelope (Price Schedule) Schedule - 1	1345/1369	II.5.1 a,b 5.2 5.3 ii) a,b	5.0 River Crossing Towers 5.1 Fabrication..excluding bolts & nuts a) Mild Steel Sections b) High Tensile Steel sections 5.2 Supply of bolts & nuts and step bolts including spring washers 5.3 Supply of following items for aviation requirements ii) Obstruction lights a) 1 Medium + 2low intensity b) 1 Medium + 4low intensity	i) Please note that quantity is indicated "NIL" against subject items in price schedule. Therefore please confirm whether bidder has to quote any unit price against subject items or not. ii) Also please clarify meaning / significance of quantity "NIL" in subject items does it mean that these items are not relevant / required / applicable in subject project and are not to be quoted ? Please kindly clarify since the same is not clear.	Bidder is to quote as per provision of BPS.

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14		Amendment No. 1 Date: 15.12.2017 F. General Information and Scope, SEC-I, PART-II, TECHNICAL SPECIFICATION, VOL-II	8 of 9	Sl. No. 1 Clause No. 1.4	Access to the Line and Right of Way Right of way and way leave clearance shall be arranged by the Contractor only in accordance with work schedules.	Please note that Right of way and way leave clearance is generally arranged by Customer / Employer only in accordance with work schedules as per standard industry practise. Also way leave and Right of way in Forest areas is also generally arranged by Customer / Employer only as per standard industry practise. Arranging the same / liaisoning successfully with local authorities for the same will be extremely difficult for sub-station contractor compared to JKPDD / RECTPCL , also considering the fact that 5km LILO transmission line route is having 3 nos. river crossings , 2 nos. existing transmission line crossings (one no. 220kV & one no. 132kV existing line) and several road crossings , as indicated in Dwg. No. - GEO/REC/RA/01 - Final Route Alignment Drawing of 3 Alternative Routes for 220kV S/C LILO of Barn to Kishenpur TL Line" issued in Amendment No. 1 Dated: 15.12.2017. Therefore request JKPDD / RECTPCL to please kindly re-consider the same and consider arranging of Right of way , way leave clearance & vegetation removal / tree cutting in JKPDD / RECTPCL scope only. Please kindly confirm.	Bidder is to meet specification requirement.
15		Amendment No. 1 Date: 15.12.2017 G. INDICATIVE TENDER DRAWINGS FOR LILO, SEC-IX PART-II, TECHNICAL SPECIFICATION, VOL-II	8 of 9	Sl. No. 1	Dwg. No. - GEO/REC/RA/01 - Final Route Alignment Drawing of 3 Alternative Routes for 220kV S/C LILO of Barn to Kishenpur TL Line" issued in Amendment No. 1 Dated: 15.12.2017	<p>i) Subject drawing shows Final Route Alignment Drawing of 3 Alternative Routes for 220kV S/C LILO of Barn to Kishenpur TL Line. We understand that we need to consider only Proposed Route-1 marked in red for estimation purpose and not Route-2 Blue or Route-3 Green. Please confirm if our understanding is correct.</p> <p>ii) Please provide GPS co-ordinates of all points marked AP1....AP24 in subject drawing for tracing out thre routes accordingly.</p> <p>iii) Please confirm if 5km route length of this LILO line mentioned at several clauses in technical specification is route length of "Bee Line" or route length of Route-1 indicated in subject drawing.</p>	Bidders may note that, the Route Alignment drawing is Indicative one. Bidder shall visit the site and asses the site conditions and may quote accordingly. Please refer Amendment-5 in this regard.
16		Amendment No. 1 Date: 15.12.2017 G. INDICATIVE TENDER DRAWINGS FOR LILO, SEC-IX PART-II, TECHNICAL SPECIFICATION, VOL-II	8 of 9	Sl. No. 1	Dwg. No. - GEO/REC/RA/01 - Final Route Alignment Drawing of 3 Alternative Routes for 220kV S/C LILO of Barn to Kishenpur TL Line" issued in Amendment No. 1 Dated: 15.12.2017	Please give tower drawings, section / elevation drawings , route map, contour drawings , tower foundation civil drawings of existing 132kV S/C T/L & 220kV S/C SAL-JAM T/L for estimation purpose please.	Tower SLD for D/C tower is attached with technical document. Tower design and drawing development is in the scope of bidder. Bidder is required to visit the site & assess the site condition and may submit their bid accordingly.

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18		Amendment No. 1 Date: 15.12.2017 G. INDICATIVE TENDER DRAWINGS FOR LILO, SEC-IX PART-II, TECHNICAL SPECIFICATION, VOL-II	8 of 9	Sl. No. 1	Dwg. No. - GEO/REC/RA/01 - Final Route Alignment Drawing of 3 Alternative Routes for 220kV S/C LILO of Barn to Kishenpur TL Line" issued in Amendment No. 1 Dated: 15.12.2017	Please confirm that shutdown shall be provided by RECTPCL/JKPDD for existing 132kV S/C T/L & 220kV S/C SAL-JAM T/L during crossing (if any) of the same by "220kV S/C LILO of Barn to Kishenpur TL Line" at construction stage. Coordination with any external agency is not envisaged by bidder in this regard. Please confirm.	Bidder/contractor is to coordinate the entire activity of taking shutdown from concerned authority. However, if required by Contractor/Bidder, RECTPCL/JKPDD shall assist in taking shutdown of lines.
19	VOL-I	SECTION - I INVITATION FOR BIDS (IFB)	2 of 8	3.1 a) xi.	xi. Construction of Auxiliary Sub Station	Please confirm meaning / applicability of "Auxiliary Sub Station" as this item is not appearing in section project or in price schedule.	Auxillary Substation means the substation from which LT power supply to be given to proposed Nagrota Substation during commercial opertaion. Necessary provision provided in BPS.
20	VOL-I	SECTION - I INVITATION FOR BIDS (IFB)	2 of 8	3.1 a) xiii.	xiii. Common Civil works of 220/ 33 KV Grid Station (Rural Areas)	Please confirm meaning of "Common Civil works" & "Rural Areas" as the same is not clear.	"Common Civil works" & "Rural Areas" related to the Land and Its Development,Compound Walling Of the Grid Sub Station, Control Room Building, Temp Store Shed and Guard Room etc.
21	VOL-II	SEC-XXIII DRAWINGS	836/ 1369	-	Drawings	Please provide Electrical Layout , GA Drawing , Section Drawings of 220/33kV Nagrota Sub-station under scope of subject tender.	Bidder may please refere Amendment-5 in this regard.
22	VOL-II	PART-II, SEC-VI, Part-4 OPGW	53 of 121	4.2.3 Table 4.1	OPGW Test Equipment	Please provide detailed technical specification of Test Equipments for OPGW cable as listed in subject clause & price schedule for estimation purpose please.	Bidder is to quote as per details given in BPS.

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23	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1358/1369	I. R. 2.0	CONTOURING AND LEVELLING OF PLOT - LS-1	<p>i) Please kindly provide separate items in price schedule involved for all works involved in Contouring & Levelling (eg - cutting, filling, excavation, grading, micrograding etc.) of sub-station plot alongwith quantity of the same. Please kindly note that it is not possible to estimate this activity as lumpsum. Also considering risks involved in civil works at project site , managing costs for Contouring & Levelling at execution stage may be difficult if subject item is in lumpsum. Therefore request JKPDD/RECTPCL to re-consider & provide unit rate items for detailed activities in civil works price schedule-3 for Contouring & Levelling scope of subject project.</p> <p>ii) Please also provide contour drawing of subject project plot. Please note that in absence of contour map, it is not possible to estimate quantum of cutting/filling/excavation/grading works involved. (Please also note that it may not be possible to carry out "soil investigation to access the type of soil" at tendering stage itself , even more so when Acquisition of land is in process by customer as indicated in pre-bid clarifications.)</p> <p>iii) Please also provide FGL required to be achieved for subject sub-station plot.</p>	<p>i) Bidder may visit site and gather all requisite information and quote as per provision of bidding document.</p> <p>ii) Bidder may like to visit site for any imformation related to Contouring and quote as per provision of specification.</p> <p>iii) FGL shall be decided by Bidder/Contractor in consultation with employer</p>
24	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1358/1369	I. R. 3.0 a),b),c),d) & e)	DESIGN, ENGINEERING AND CONSTRUCTION OF FOUNDATIONS FOR FOLLOWING:-	Please provide standard drawings of foundations for equipment listed in subject clause 3.0 a),b),c),d) & e).	Design and Development of foundation drawings is in the scope of bidder.
25	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1358/1369	I. R. 5.0	BURIED CABLE TRENCH for auxiliary Power supply arrangement	Please kindly provide section drawing of the same for estimation purpose since the same is not available in tender documents.	Bidder may please refere Amendment-5 in this regard.
26	VOL-III	Second Envelope (Price Schedule) Schedule - 3	1358/1369	I. R. 6.0 c)	c) Security Room	Please kindly provide drawing of Security Room for estimation purpose since the same is not available in tender documents.	Bidder may please refere Amendment-5 in this regard.

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27	VOL-II	PART-I, SEC-I, PROJECT	3 of 10	2.1.1 (g)	g) Digital protection couplers (DPCs) for both ends of 220kV Lines as per BPS. <i>Required shifting & re-erection of existing Tele-protection equipments at Barn Substation/Kishenpur Substation to Nagrota Substation is also under present scope</i> . Scope includes cable required for connecting DPC with the Communication (SDH) equipment in the substation control room building.	Please confirm if "Required shifting & re-erection of existing Tele-protection equipments at Barn Substation / Kishenpur Substation to Nagrota Substation" is in scope of subject tender. If in scope, please provide separate line item for "Required shifting & re-erection of existing Tele-protection equipments at Barn Substation/Kishenpur Substation to Nagrota Substation under present scope" with quantities of equipment involved, since the same is not appearing in price schedule of subject project. Please confirm.	The bidder is to quote as per provision of bidding document. Any other details can be collected by bidder during site visit before bidding.
28	VOL-II	PART-I, SEC-I, PROJECT	3 of 10	2.1.1 (h)	(h) Fiber Optic Communication System for all lines. LILO of 220kV S/C Barn – Kishenpur T/L is to be done at 220/33kV Nagrota Substation. <i>220KV Barn & 220kV Kishenpur Substation are having OPGW Based Telecommunication System</i> . OPGW based Communication system to be established from Nagrota to Barn as well as from Nagrota to Kishenpur. Therefore, Supply and Erection of complete telecommunication equipment as per BPS is to be done to establish Communication between Nagrota, Barn and Kishenpur.	i) Please confirm make & model number of OPGW Based Telecommunication equipments existing presently at 220KV Barn & 220kV Kishenpur Substations. ii) Please note that bidder is CPSE and follows CVC/GOI norms for procurement of supply items. OPGW Based Telecommunication equipments asked for in price schedule of subject tender shall be procured through competitive bidding only at contract execution stage. Therefore make may differ from existing makes at 220KV Barn & 220kV Kishenpur Substations. Acceptance confirmation required from JKPDD / RECTPCL.	The bidder is to quote as per provision of bidding document. The bidder is responsible for supply and erection of complete telecommunication equipment as per BPS to establish communication between Nagrota, Barn and Kishenpur. Any other information i.e make, model no. etc needs to be collected by bidder from site.
29	VOL-II	PART-I, SEC-I, PROJECT	5 of 10	2.1.2.1 (h)	2.1.2.1 Nagrota 220/33kV New sub-station: (h) <i>Roads including approach road outside the fencing and boundary wall</i> . All roads within boundary wall shall be concrete while approach road outside boundary wall shall be bitumen road.	i) Please note that clauses referred to are contradictory in nature. Please clarify. ii) We understand that Approach road to sub-stations and any road outside fencing & boundary wall is not in bidder scope for subject project. Please confirm.	The bidder is to quote as per provision of bidding document (BPS).
			6 of 10	2.7 (b)	Specific exclusions 2.7 (b) <i>Approach Road to all Substations</i>		

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30	VOL-II	PART-I, SEC-I, PROJECT	5 of 10	2.1.1	Boundary Wall	We understand that any boundary wall for sub-station site is not in bidder's scope for subject project and that JKPDD/RECTPCL will provide fully acquired plot with ready built boundary wall to bidder prior to start of subject contract. Please confirm.	The bidder is to quote as per provision of bidding document for Boundary wall. Please refer BPS item No. 9 of Civil works.

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31	VOL-II	PART-I, SEC-I, PROJECT	6 of 10	2.1.1 (u)	(u) Contouring and Leveling of Plot	Please exclude subject scope of "Contouring and Leveling of Plot" from bidder's scope for subject project. Please kindly provide fully acquired & fully levelled, graded land free of any encumbrances & trees to bidder prior to start of subject contract. Please confirm.	The bidder is to quote as per provision of bidding document.
	VOL-II	SEC-XVII CIVIL WORKS	9 of 50	3.1	CONTOUR SURVEY & SITE LEVELLING		
	VOL-II	SEC-XVII CIVIL WORKS	9 of 50	3.2	Cutting/felling of trees and their disposal has not been envisaged under the present scope.		
32	VOL-II	PART-I, SEC-I, PROJECT	6 of 10	2.2	The bidder should survey the route of transportation and substation sites and fully familiarize himself with the route of transportation, culverts, roads & rail bridges, loading & unloading facilities and site conditions etc. <i>Any strengthening / modification required in the existing culverts, road, bridges, etc. for transportation shall be carried out by the Contractor without any additional cost implication to the Employer.</i>	Please exclude subject scope of "Any strengthening / modification required in the existing culverts, road, bridges, etc. for transportation shall be carried out by the Contractor without any additional cost implication to the Employer." from bidder's scope for subject project as the same can be best taken care of by local authorities like PWD, Govt, BRO, JKPDD, RECPTCL etc. & not sub-station contractor. Please confirm.	The bidder is to quote as per provision of bidding document.
33	VOL-II	PART-I, SEC-I, PROJECT	6 of 10	2.4	The Contractor shall also be responsible for the overall co-ordination with internal/external agencies, project management, training of Employer's manpower, loading, unloading, handling, moving to final destination including Employer supplied material for successful erection, testing and commissioning of the substation / switch yard.	Please clarify "Employer supplied material" mentioned in subject clause.	As the entire job of substation is to be done by Contractor, Employer supplied material shall be nil.
34	VOL-II	PART-I, SEC-I, PROJECT	10 of 10	11.4	The estimated quantity of 3.0 H.P is given in BPS.	Please note that any 3.0 HP pump is not mentioned in BPS. Kindly clarify.	Bidder may note that, Rating of Pump is 5.0H.P in BPS. Please quote accordingly. Please refer Amendment-5 in this regard.
35	VOL-II	SEC-XV SWITCHYARD ERECTION	15 of 52	1.5.3.1	Electrical system Data - 220kV	Same is striked out. Please clarify which parameters to follow for 220kV system.	Bidder may note that, for 220kV, Electrical system parameters are given in Section 2 GTR also. In this chapter, these parameters are striked out inadvertently.

Clarification to Bidders Queries-II

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(Specification No.: RECTPCL/PIA/JKPDD/SS & LILO-01of 2017)
QUERIES/CLARIFICATIONS ON BID SPECIFICATION

SI No	ENQUIRY SPECIFICATION				Specification Requirement	Comment / Query	Employer's Clarification to Bidders Query
	VOL	SECTION	PAGE NO.	CLAUSE NO.			
36	VOL-II	SEC-XV SWITCHYARD ERECTION	16 of 52	2.2	Details of ACSR Conductor	We understand that only Moose ACSR is to be used in subject sub-station project. Please confirm.	Bidder understanding is in order. However number of conductor to be used in Bus , various feeders shall be finalised during detailed Engineering by contractor with approval of employer in line with specification requirement
37	VOL-II	SEC-XVII CIVIL WORKS	5 of 50	2.3.4	GIS building	Subject clauses mentions "GIS building/hall", however subject sub-station is AIS type. Please clarify.	Please refer section - Project Clause no. 2.15 - Employer has standardized its technical specification for various equipment's and works for different voltage levels. Items which are not applicable for the scope of these packages, the technical specification for such items shall not be referred to.
			19 of 50	11.1 (1)	GIS hall		
		5 of 21	1.1.9 ix)	ix) GIS building(including panel rooms), if applicable			
		48 of 48	ANNEXURE - B 20	20. Gas Insulated SubStation Drawing			
		SEC-IX LIGHTING SYSTEM					
		SEC-II GENERAL TECHNICAL REQUIREMENT					

Clarification to Bidders Queries-II

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	VOL	SECTION	PAGE NO.	CLAUSE NO.			
38	VOL-II	SEC-XVII CIVIL WORKS	17 of 50	8.0	The Contractor shall design, prepare drawing and provide a RCC Rail cum road system integrated with the Transformer/Reactor foundation to enable installation and the replacement of any failed unit. The transfer track system shall be suitable to permit the movement of any failed unit fully assembled (including OLTC, bushings) with oil. This system shall enable the removal of any failed unit from its foundation to the nearest road. If trench/drain crossings are required then suitable R.C.C. culverts shall be provided in accordance with relevant IS.	We understand that RCC Rail cum road system integrated with the Transformer / Reactor foundation is not in scope of subject tender since any line item for the same is not appearing in BPS. Please clarify / confirm.	Rail cum road system is in the scope of Bidder and is covered under respective item of BPS.
			46 of 50	21.2	Rail cum Road This work shall not be measured separately as it is covered under respective item of BPS and described in above paras.		Rail cum road system is in the scope of Bidder and is covered under respective item of BPS. Therefore it will not be mesured seprately.
39	VOL-II	SEC-XVII CIVIL WORKS		10.0	Cable Trench Layout	Please provide Cable Trench Layout of subject Nagrota Sub-station.	Cable Trench layout shall be finalised by Contractor in consultation with employer during detailed Engineering. However, cable trench sections drawing have already been furnished.

Clarification to Bidders Queries-II

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	VOL	SECTION	PAGE NO.	CLAUSE NO.			
40	VOL-II	SEC-XVII CIVIL WORKS	20 of 50	11.1 (8)	<p>If pile foundations are adopted, the same shall be cast-in-situ driven/bored or pre-cast or under reamed type as per relevant parts of relevant Indian standard codes (I S Codes)/ equivalent International Standards. Only RCC piles shall be provided. Suitability of the adopted pile foundations shall be justified by way of full design calculations. Detailed design calculations shall be submitted by the contractor showing complete details of piles/pile groups proposed to be used. Necessary initial load test shall also be carried out by the bidder at their cost to establish the piles design capacity. Only after the design capacity of piles has been established, the Contractor shall take up the job of piling. Routine tests for the piles shall also be conducted.</p>	<p>We understand that piling is not applicable for subject project. Also any line item for the same is not appearing in BPS. Please clarify / confirm.</p>	<p>Pile foundations - Not applicable at present</p>
41	VOL-II	SEC-XVII CIVIL WORKS	39 of 50	15.0	<p>15.0 AUXILLIARY BUILDING Auxilliary building shall be single storeyed reinforced cement concrete framed structure building. The size of building shall be about 15 m X 20 m approximately. However, bidder may suggest suitable size as per his requirement. The building shall house 11 kV indoor switchgear. The details like floor details, door, windows, ventilator, internal finish details etc. shall match with respective room of RCC control room building. External finish shall also match with control room building.</p>	<p>i) Please confirm applicability of "Auxiliary building" for subject project. Also please note that any such line item is not appearing in price schedule. Please confirm. ii) Please confirm applicability of "11 kV indoor switchgear" for subject project. Also please note that any such line item is not appearing in price schedule. Please confirm. iii) "The details like floor details, door, windows, ventilator, internal finish details etc. shall match with respective room of RCC control room building. External finish shall also match with control room building." - We understand that subject clause is not applicable for subject project. Please confirm.</p>	<p>i) Auxiliary Building - Not applicable ii) 11kV Indoor Switchgear - Not applicable iii) As Auxiliary Building is not covered in BPS thereore any clause related to that shall also not be applicable.</p>

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	VOL	SECTION	PAGE NO.	CLAUSE NO.			
42	VOL-II	SEC-XVII CIVIL WORKS	40 of 50	17.0	17.0 SWITCH YARD PANEL ROOM	Please confirm applicability of "Switchyard Panel Room" for subject project. Also please note that any such line item is not appearing in price schedule. Please confirm.	Switchyard Panel room - Not applicable
43	VOL-II	SEC-XVII CIVIL WORKS	43 of 50	21.3	Earthwork	Please provide line item in civil works price schedule for Earthwork as the same is not appearing in price schedule of subject tender.	Bidder is to quote as per provision of BPS
44	VOL-II	SEC-XVII CIVIL WORKS	47 of 50	21.21	External Sewage System of Control Room Building and other Buildings. Any modification in the <i>existing sewage system</i> , if required, shall be done by the Contractor without any extra cost implication to Employer.	Please clarify "existing sewage system" mentioned in subject clause, since subject project is greenfield sub-station.	Bidder may note that referred clause is applicable only in case of existing sewage system.
45	VOL-II	SEC-XXIII DRAWINGS	837/ 1369	-	LT Switchgear SLD	As per subject drawing 415V Main Switchboard is fed from two LT Auxilliary Transformers which are in turn fed "from 33kV Busbar" and "from 250kVA transformer". Please clarify "33kV Busbar" & "250kVA transformer" as these are not clear from technical specification. Please also kindly specify their location and provide drawings of the same also.	Bidder may note that, 415Volts Main Switch Board shall be fed from two LT transformers of 33/0.433kV, 250 KVA rating. 33kV supply to LT transformers shall be fed from 33kV Bay.
45	VOL-II	SEC-XVI STRUCTURE	3 of 9	1.0	Line diagrams of Towers, girders, Lightning mast, equipment support structures for 220kV structures enclosed with the tender document are for information only. The bidder shall mention in their bid for the type of proposed structure i.e. Pipe or lattice type structure.	i) "Line diagrams of Towers, girders, Lightning mast, equipment support structures for 220kV structures enclosed with the tender document are for information only." - Please provide Line diagrams of Towers, girders, Lightning mast, equipment support structures for 220kV structures as indicated in subject clause since the same are not available in tender documents. ii) "The bidder shall mention in their bid for the type of proposed structure i.e. Pipe or lattice type structure." - We shall provide lattice structure only for towers/beams & equipment support structures. Acceptance confirmation required from JKPDD / RECTPCL.	Bidders may refer Amendment-5 regarding Indicative Line diagrams. Bidder may offer considering detailed design and drawing of structure in their scope in line with specification.
46	VOL-II	SEC-XVI STRUCTURE	3 of 9	1.0	It is the intent of the Employer to provide structures which allow interchangeability of equipments at a later stage. Accordingly, Contractor is expected to design the equipment support structures with the provision of stool. Stools shall be provided by the Contractor between the equipment and its support structure to match the bus bar height. The top of stool shall be connected to the equipment and the bottom of the stool shall be connected to the Base support structure.	i) Please provide drawings of equipment support structures with the provision of stool. ii) Please note that providing equipment support structures with the provision of stool shall be decided by bidder at project execution stage.	i) Equipment support structure design/drawing is in the scope of Bidder. ii) NOTED

Clarification to Bidders Queries-II

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	VOL	SECTION	PAGE NO.	CLAUSE NO.			
47	VOL-II	SEC-XIII AIR CONDITIONING	3 of 7	1.2	Air conditioning and the air conditioning system for relay panel rooms shall be set to maintain DBT inside relay panel rooms below 24oC.	Please clarify "air conditioning system for relay panel rooms" mentioned in subject clause, since any relay panel room is not mentioned in BPS of subject project.	Air Conditioning shall be provided in Control room building.
48	VOL-II	SEC-XI FIRE PROTECTION	3 of 51	1.00.05	The piping and instruments diagram for Hydrant and HWV spray system for 400kV switchyard is enclosed at Appendix-I respectively.	We understand same will be applicable for 220 kV Substation. Kindly confirm.	Bidder understanding is in order.
49	VOL-II	SEC-IX LIGHTING SYSTEM	5 of 21	1.1.9 viii)	Residential quarters, if applicable	Please confirm that any "residential quarters" is not applicable for subject project.	Residential Quarters - Not applicable
50	VOL-II	SEC-IX LIGHTING SYSTEM	19 of 21	ANNEXURE-1	Lighting Fixtures - Description	Please provide technical specification / description of LED indoor lighting fixtures to be provided in entire control room building, fire fighting pump house and Security room as indicated in Clause 1.1 of subject chapter.	Please refer Annexure - 1 of Section - IX for Lighting fixture detail/description
51	VOL-II	SEC-VIII BATTERY AND BATTERY CHARGER	3 of 21	1.2.1.	Air-conditioning shall be provided in Battery room the requirement of which has been specified elsewhere in the Technical Specification.	Please note that ventilation is provided in Battery Room as per prevalent industry practice. Therefore please kindly accept ventilation instead of air-conditioning in battery room.	Bidder is required to quote as per provision of specification
52	VOL-II	SEC-XX SUBSTATION AUTOMATION	3 of 38	1.2.	SAS	Please confirm that hardwired backup control panels are not required to be provided for subject project.	Bidder is to meet specification requirement.
53	Vol-I	SEC-IX, Sample Forms & Procedures	5	Bid Security Form	<u>Foot Note of Bid Security Form:</u> " In case the bid is submitted by a joint venture, the bid security shall be in the name of Joint venture and not in the name of the Lead Partner or any otherpartner (s) of the Joint Venture".	Bidder request to modify as " Bid security shall be furnished in the name of lead partner of Joint Venture"	Provisions of bid document shall prevail.
54	VOL-I					It may be intimated as to what tax percentage shall be applicable on the work contract in the new GST Regime.	Bidder may refer GCC Clause no- 44 (TAXES AND TAXES) and SCC Clause No- 12 regarding this query.
55	VOL-II					Confirmation required whether Test Equipment for optical fibre is a part of bid evaluation or not. As per TS of OPGW this is not a part of bid evaluation.	The list of Test equipments mentioned in the Price Schedule is related to Mandatory test equipment requirements. Bidder may quote accordingly.

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	VOL	SECTION	PAGE NO.	CLAUSE NO.			
56	VOL-III	price schedule				GST on schedule-2 i.e local transportation is not provided in the schedule.	It is clarified that prices of Local Transportation, In-transit insurance, loading and unloading (F&I Charges), if applicable, shall be inclusive of GST, and in such case, the supplier shall raise GST invoice in such a manner that total liability on account of F&I charges including applicable GST (if any) thereon (mentioned in the Invoice) remain equal to F&I Charges as indicated in the contract.
57	VOL-III	price schedule				Mandatory Spares for DG set is given at two locations. Please confirm	Please refer Amendment no. 5 in this regards
58	VOL-III	price schedule				Schedule-1, SI No-Q Training of employer's personnel as per clause 10 of section-I project and same is also provided in schedule-4. Please confirm, we must Quote at both at both locations.	Please refer Amendment no. 5 in this regards. Price quote regarding training of employer's personnel to be made in the schedule 4 only.
59		General					Bidder may note that , regarding First Envelope (Bid form) excel file provided as Annexure-F to Amendment-1 is required to be downloaded from e-bidding portal and the same shall be uploaded in the respective place as defined in tender document.
60		General					Bidders may note, Second Envelope (Price Schedule) to be downloaded from the e-bidding portal only under head COVER -3 and the same may be uploaded after filling the quote.