Additional Prebid Queries Response Sheet- CRP & VCB

Sr. No.	Detailed Reference to TPnODL Technical Document. Please specify Document No Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Reply
1	2	3	4	
1	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no. 5 of 5	Delivery shall be made within 60 days for CRP & VCB, post issuance of Release Order by TSPODL/ CAT-A approval, whichever is later. Delivery shall be made within 60 days for MFM & Relays, post issuance of Release Order by TSPODL/ CAT-A approval, whichever is later.	Based on the present market scenario, we request for delivery period to be 20 weeks from manufacturing clearance and GTP/Drawing submission from 4 weeks from RC/LOA.	Tender T & C shall Prevail
2	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 3 of 5	BA shall deliver, unload & shift the panels inside control room of respective PSS and install the panels inside control room under supervision of STS coordinator from TPSODL.	We request you to excude unloading of panels from bidder's scope.	Specification to be complied
3	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 3 of 5	2. BA shall install the control cable trays in trench inside control room under supervision from TPSODL, for control cables to be lad from outdoor equipment as well as for aux supply cables from ACDB and DCDB to C&R panels. Maximum no of panels in one PSS shall not be more than 15 panels. 3. Extending auxiliary AC/DC power supply by proper cable laying in the cable trays provided to C&R panel inside control room with cabling, termination and wiring including proper dressing of wiring. 4. Bidder to supply as well as lay the aux supply cables from existing ACDB and DCDB to new C&R panels inside control room area to be covered of max 20mc/20m.	Since this a loose CRP tender, supplying, laying & termination of unquantified control & power cables, cable trays is not possible. Please exclude from the scope of work.	Supply of cable is not in bidder's scope. Bidder to arrange for laying and termination as per ITC scope. 1. LT power cable Supply as well as laying and termination inside control room from ACDB/CDB to CPR is in Bidder's scope. 2. Only cable laying and both side termination is in bidder's scope from Outdoor Switchyard capipment to indoor CPR. Maskimum 20 runs of LT power & Control cables of 2.5 sqmm shall be laid for 100meters for each bay.
4	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 3 of 5	5. Testing and commissioning of Control and Relay panel comprising of numerical relays and multi- lunction meters, with complete cable terminations from CT, PT and breaker control cabbis. Blocking of all the cable opening	Kindly exclude the cable termination & its realted activities from the scope of supply.	Specification to be complied
5	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 3 of 5	Earthing to be extended from each C&R panel to the station earthing pit by the bidder.	Panel will be provided with earthing bar, however as this a loose CRP tender extending earthing to station earthing pit with unqualified metal strips/wires is not possible. Please exclude from scope of work.	Specification to be complied
6	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 4 of 5	Cable laying & termination at both ends from CT secondary terminal box, PT secondary terminal box & Breaker control cabinet in outdoor switchyard to C&R panels inside control room is in the bidder's scope.	Kindly exclude the cable laying & termination from the scope of work. As there is no clear quantification of the same.	Specification to be complied
7	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 4 of 5	Point to point as well as configuration logic testing from equipment end terminals to CRP end terminals is in the bidder's scope.	Our Scope is limited to Supply as per tender specification. Same is not in Bidders scope. Kindly confirm	Bidder to comply tender requirement of ITC scope as per issued corrigendum
8	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 4 of 5	Handing over of required ICD/SCD files for relays and required inputs from meters for RTU integration is in bidder's scope.	We understand our scope is limited to providing the ICD files for integration with existing RTUs. Any sort of modification, changes in existing RTUs is not in our scope. Please provide details of existing RTUs. To this in the pre-bid reply received is TPSODL will provide the existing RTU details.	Noted
9	Corrigendum No. – I/Scope of Work for ITC of CRP / Refer pdf sh.no: 4 of 5	Any Miscellaneous activities required for commissioning and SCADA integration is in bidder's scope.	As this is a big tender with multiple stations involved, the miscellaneous activities which might arise at site must be specified inorder to consider the materials accordingly. Without any quantification the requirement of items would be difficult to be considered.	Miscellaneous activities related with CRP commissioning and integration are in bidder's scope.
10	CRP TS / 1.0.3 Scope CRP TS / 4.3.1 Multifunction Meter	Cat-6/R_J45/Fiber Optic cables (Double Run) from CR panels till Ethernet Switch in GI Flexible Conduit. Loop cables among Ethernet Switch in installed in 6/3/14 KV Bays and the Ethernet Switches installed in RTU Panel. Laying of Communication Cable along in GI conduit shall be in supplier's scope	As per earlier pre-bid clarification, revised scope of work as per Corrigendum I to be referred. However in the corrigendum nothing is mentioned about the communication cable.	communication cable supply and laying is not in bidder's scope.
11	CRP TS / 1.0.10 & 11 Scope CRP TS / 8.0 Service Scope	10. Integration of relays/BCPUs with RTU/DC shall be in bidder's scope. 11. Point to point as well as configuration logic testing from links to relay as well as from relay to RTU, network Switches and SCADA is in the bidder's scope.	We understand our scope is limited to providing the ICD files for integration with existing RTUs. Any sort of modification, changes in existing RTUs is not in our scope. Please provide details of existing RTUs.	Noted

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12	CRP TS / 1.0.14 Scope	In case of space constraint in the panel vendor need to supply and mount an additional box for installation of relay.	Please clarify what of box would be required for installation of relays? As our scope is to supply pre-wired panel with IEDs, so understand this clause is not applicable. Kindly confirm.	Bidder to accommodate all components in CRF as per tender document.
13	CRP TS / 4.3.1 Multi-function meter	Supply and Integration of Energy Meters with Software for centralized meter data reading shall be in supplier's scope. Supplied Software shall have independent for meter make or OEM to retrieving the meter data	Since this a loose CRP tender, supplying, configuring and sort of centralized meter data reading software/system shall not be in bidder's scope. Please confirm	Multi-function meter to be mounted on CRP and related s/w is in bidder's scope.
14	CRP TS / 4.3.9.1 General construction of CRP	Panel shall be having dimensions equal to 800mm x 800mm x 2000m of W x D x H	This clause is in contradiction with the sizes mentioned in the price bid schedule. Price Bid Schedule shall prevail over TS as per preference order of documents. Kindly confirm.	Dual Fedder - 800mmx800mmx2000mm & Single feeder - 600mmX600mmX2000mm
15	CRP TS / 4.4.4 Panel Internal Wiring CRP TS / 4.4.17 Panel Internal Wiring	- Wires shall be vermin proof. Minimum size of conductor shall be 2.5 sq. mm in general, but for CT & VT circuits is 14ml be 4 sq. mm. - All CT &PT circuits: minimum of 4 sq. mm copper. AC/DC Power Supply Circuits: 4 sq. mm Copper. All other circuits: minimum of 2.5 sq. mm Copper. All other circuits: minimum of 2.5 sq. mm Copper.	We recommend to use 1.5sqmm for control and 2.5 sqmm for CT / VT and power circuit as these sizes are more than sufficient. Please confirm.	Noted
16	CRP TS / 4.8 Control Switches CRP TS / 4.9 Indication Lamps	The control switch of breaker and isolator shall be of spring return to neutral type. Indication Lamps	We understand that panels will be supplied with BCPUs. Bay SLD can be viewed in the BCPU and the necessary alarm and trip signals can be masked to BCPU LED. Hence there is no requirement of control switches, indication lamps, mimic & annunciation on Panels. Which would also ease the maintenance & operation works. Please confirm.	Specification to be complied
17	CRP TS / 4.14 Warranty	In the event any defect is found by the Company up to a period of 60 months from the date of commissioning supplier shall be liable to undertake to replace/rectify such defects	Since this is a loose CRP order we request warranty clause to specified as "60 months from the date of supply of CRP against manufacturing defects" Please accept.	Specification to be complied & ITC also is in bidder's scope
18	CRP TS / 8.1 Service SLA	Vendor shall conform in a signed SLA	This AMC is not part of the scope of work, so SLA shall not be applicable. Please confirm.	Applicable Points only to be considered
19	CRPTS / 8.1 Delivery Terms/ Period of contract:	The supply of material shall be completed within 60 days from the date of award, subject to availability of clearance provided by TPSODL. The work of CRP installation a commissioning of supplied Relay of substation, shall be done within 5 days per substation clearance / equipment outage requirement for above activities shall be provided by TPSODL engineer in charge. Overall contract period shall be 5 months from the date of issuance of Work Order.	We request for delivery period to be 20 weeks from manufacturing clearance and GTP/Drawing submission from 4 weeks from RC/LOA. Commissioning shall be completed as mutual agreement during execution stage depending on site readiness. Overall contract period shall be at least 12 months depending on site readiness and availability of electronics components. Please confirm.	Tender T & C shall Prevail
20	CRP TS / 8.2 Spares:	Spares	We understand that the items listed out in the Annexeure- I LOT A (For CRP, MFM & Relays Only) are the materials which needs to be supplied from the CRP perspective.	10 % Spare is required
21	CRP TS / 4.3.5/ Point No 14/ Pdf Sheet No 12 of 27	14) Rear ports shall be redundant with RSTP/PTP requirement for client server Communication.	We understand that there is a typographical error and it should be RSTP/PRP instead of PTP. Since it is stating about the rear port communication.	Noted
22	CRP TS / 4.3.5/ Point No 18/ Pdf Sheet No 12 of 27	Downloading/ uploading file from any relay ports shall not change its 61850 engineering and device engineering.	We understand it is applicable for Downloading & uploading for protection related file only (Setting, configuration etc). Please confirm.	Noted
23	CRP TS / 1.0/ Point No 9/ Pdf Sheet No 2 of 27	Testing includes primary injection and secondary injection (having three phase double Source arrangement) and also all testing equipment would be provided by Vendor.	Kindly check whether we will provide both primary injection 8 secondary injection and also all testing equipment.	Primary and sceondary injection kit along with other switchyard testing equipmemnt if required shall be provided by the bidder
24	CRP TS / 1.0/ Point No 12/ Pdf Sheet No 3 of 27	Submission of As-built drawing within 15 days after successful completion of the respective Sub Station job.	Kindly check whether we will accept this.	Specification to be complied
25	CRP TS / 4.2/ Point No 6/ Pdf Sheet No 2 of 27	Kindly specify the requirement of contact multiplication 3. Contact multiplication relays (CMR) of reputed make the primary equipments would be directly routed to the BCPU. TPSODL to ensure the availability of contacts from the primary equipments.		CMR required for status of CB on/off, Spring Charge, Transformer troubles
26	CRP TS / 4.18/ Pdf Sheet No 22 of 27	Spares for Project job 20% spare material required for every item like TNC switch and other switches, indicating lamps, terminal blocks and any other auxiliary relays, if used.	Since all the required items are already being supplied as part of the panel. We understand that this 20% spare requirement is on the total project. It would be considerable if the quantification of the spares is done.	10% spare is required
27	CRP TS / 4.3.6/ Pdf Sheet No 12 of 27	Separate Sensitive Earth Fault/High Impedance Restricted EarthFault/Stand by earth fault Protection Coil Required in the Relay.	We understand that separate coil is required to achieve any one of the mentioned functions.	For PTR Differential Protection Relay additionally provide to REF & SEF coll and facilities for enabeling over current earth faul in HV & LV side & SEF coll and & SEF coll
FORMAT B.1				
FORWAT B.1				
ormat for Technica Package Name	I Pre-Bid Queries Rate Contract for supply of CRP and VCB as	and TDCODI anno		

Note:	The said format to be used only for Technical				
	Format to be used for query regarding Techni Pre-Bid Query has to be sent in editable Exce	ical Pre-Qualifcation Requirement, Safety Pre-Qualifcation	on Requirement, Technical Set of Documnt		
	Pre-Bid Query has to be sent in editable Exce Pre-Bid Query has to be sent through e-mail i				
Sr. No.	L Technical Document. Please specify Document.	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Response	
1	2	3	4	5	
				Dual Fedder - 800mmx800mmx2000mm	
				&	
	Page no 6 of 27, Clasue no 4.2.3	Panel dimension	Please confirm the panel dimensionn for dual feeder panel	Single feeder - 600mmX600mmX2000mm	
2	Fage 110 6 01 27, Clasue 110 4.2.3	Panel differsion	Annunciator required in panel or not?	Annunciator Required with buzzer	
		Additional Des Bid Clasification and	to de contractivo		
		Additional Pre Bid Clarifiaction rela	ted - SCOPE OF WORK		
Sr. no.	Document	Page no.	Clause	Clarification / Deviation	TPSODL response
	I Corrigendum No. – I		ITC of 11 / 33 KV Outdoor VCB- 1250 A with structure as per TPSODL Specification	In any other specific document of specification related to ITC it requested to share the same	Already shared as corrigendum
	corrigendam No. – I	3	11 300E Specification		
				Points under this heading (1 to 12 nos.) are not	
				referred in reference of point no. 2 above	Refer to Corrigendum No -I dated 30.05.2022
,	2 Corrigendum No. – I	,	Scope of Work for ITC of CRP		
	corrigendam No. – I	3	Scope of Work for the or en		
				Number of lots from the supply scope which will be receieved at site is required for our reference	Averege distance may vary However you may
	3 Corrigendum No. – I	4	Shifting of VCB and CT/PT structure from Store to different locations.	, Different location details required , Distance between store and each locations is required	consider the distance 50 to 60 KM
-	eorngemanno1	4		Number of lots from the supply scope which will	
				be receieved at site is required, Any Specific	
				Unions are not there is considered for unloading	Averege distance may vary However you may consider the distance 50 to 60 KM
				and also request you to pls. share if any	consider the distance 50 to 60 kW
4	Corrigendum No. – I	4	Unloading of VCB and CT/PT Structure at site	specifications are there for unloading	
	Corrigendum No. – I	4	Foundation of VCB and CT/PT with Structure	We are not considering any Civil Work related to	Foundation of VCB and CT/PT with Structure shall be
-	corrigendam No. – I	*	Todaluation of VCB and CI/F1 with Structure	the foundation in our scope of work	in the bider's scope
				Clarity required for this scope of work	Any fabrication & modification as per site
			Fabrication of VCB Structure (As per alignment with CT/PT	mentioned in this point	requirement will be in the scope of bidder
6	Corrigendum No. – I	4	Structure)		
			Control Cable laying from CRP to VCB and CT/PT		
			Termination of control cables in VCB and CRP panels (Including glands and lugs) with scheme checking		
			CT wiring between CT and CRP/VCB panels. CT junction box	We have not considered any Service work	
			installation	related to the CRP and understand all the points	Refer to scope of work as per Corigendum-I dated
			PT wiring between PT and CRP/VCB panels Commissioning Checks for Interlocks	mentioned here will be cosnidered in the scope of work of the CRP service portion	30.05.2022
			(Closing/Tripping/Protection Trip /Antidumping Circuit	of work of the CKP service portion	
			check/Trip Pre & Post supervision Checking) and Relay		
7	7 Corrigendum No. – I	4	setting.		
			Earthing of VCB, CT and PT structure with flats and new pit	Earth Pit shall not be cosnidered in our scope of	Refer to scope of work as per Corigendum-I dated
			erection. Earth pit testing (Earth Pit Values within 2 ohm)	work	30.05.2022
8	Corrigendum No. – I	4			
				Not considered in our scope of work	Scope of work for ITC of MFM & Relays shall be in the
9	Corrigendum No. – I	4	Scope of Work- ITC of MFM & Relays		bidder's scope
				ITC : 100% Service payment shall be done	
10	Corrigendum No. – I	5	Payment terms	within 15 Days after submisison of the invoice on Pro rata basis .	Tender T & C shall Prevail
10		,	Payment shall be released provided the following documents	We are not considering asubmisison of any	
	Consistent we be	_	are also submitted along with	documents apart from the invoice	Tender T & C shall Prevail
11	Corrigendum No. – I	5	the invoice – BA shall start installation work within 7 days post		
			confirmation from TPSODL. Installation & Commissioning has		
			to be completed successfully including complete handing	Site availability and commissioning plan to be	Specification to be complied & Requsite details will
			over to TPSODL at the earliest, not exceeding 90 days from the supply of equipment. BA shall execute the work in close	shared to carry out the site activities	be shared
12	Corrigendum No. – I		coordination and guidance and TPSODL EIC.		
FORMAT B.1 Format for Technic	cal Pre-Bid Queries				
Tender No	TPSODL/OT/2022-23/015				
Package Name	Rate Contract for Supply of CRP and	VCB			
Bidder :	M/s Stelmec Ltd	Dec Bid Ought And Commercial Occurrence	in Format P2 Format for Corporated Par Pid O	ant concretch.	
Note :	Format to be used for query regarding Technical	Pre-Bid Query. Any Commercial Query has to be strictly ical Pre-Qualifcation Requirement, Safety Pre-Qualifcation	in Format B2 Format for Commercial Pre-Bid Query and son Requirement. Technical Set of Documnt	ent seperately	
	Pre-Bid Query has to be sent in editable E		Toolston out of Doublin		
	Pre-Bid Query has to be sent through e-m	ail in TPSODL E-Tender System			
	Detailed Reference to TPSODL Technical				
Sr. No.	Document. Please specify Document No /	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Response	
	Clause No / Page No		•	·	
1	Corrigendum -I	3	4	5	
	Corrigentum -				

1	Revised schedule of Items [Annexure-I]	ITC (Retrofitting) services for Over Current Relay, Differential relay, Master Trip Relay & MFM in existing	Quantity mentioned against Line items 5 to 8 and Line	TO be quoted as per Price Bid Only	
2	Sr. No - 12 to 15 Corrigendum I	panel	items 12 to 15 are not matching respectively. Kindly clarify.	TO be quoted as per Price Bid Only	
2	Scope of work for ITC of CRP				
a)	Sr no. 2	BA shall install the control cable trays in trench inside control room under supervision from TPSODL, for control cables to be laid from outdoor equipment as well as for aux supply cables from ACDB and DCDB to C&R panels. Maximum no of panels in one PSS shall not be more than 15 panels	Kindly confirm whether supply of control cables is in BA scope. In case yes, kindly provide us the below mentioned details i) n.o. of cores, ii) wire conductor size, iii) yer of cables & iv) length of cables per substation.	Supply of cables is not in Bidder's scope. Only cable laying and termination is in bidder's scope.	
b)	Sr no. 3	Extending auxiliary ACIDC power supply by proper cable laying in the cable traps provided to C&R panel inside control room with cabling, termination and wiring including proper dressing of wiring.	Kindy confirm whether supply of control cables is in BA scope. In case yes, kindly provide us the below mentioned details () no. of cores, iii) wire conductor size, iii) type of cables & iv) length of cables be r substat	1. LT power cable Supply as well as laying and termination inside control room from ACDB/DCDB to CRP is in Bidder's scope. 2. Only cable laying and both side termination is in bidder's scope from Outdoor Switchyard equipment to indoor CRP. Maximum 20 runs of LT power & control cables of 2.5 sgmm shall be laid for 100meters for each bay.	
c)	Sr no. 4	Bidder to supply as well as lay the aux supply cables from existing ACDB and DCDB to new C&R panels inside control room area to be covered of max 20mx20m.	Kindly provide us the below mentioned details i) no. of cores, ii) wire conductor size, iii) type of cables & iv) length of cables per substation.	LT power cables of reputed make subject to TPSODL approval shall be considered as per tender document.	
d)	Sr no. 5	Testing and commissioning of Control and Relay panel comprising of numerical relays and multi-function meters, with complete cable terminations from 1, and	As per the TS, supply of CT & PT is not included in BA scope, hence the CT & PT cable termination shall not be included in the scope of ITC.	Specification to be complied	
е)	Sr no. 6	Earthing to be extended from each C&R panel to the station earthing pit by the bidder.	Kindly provide us earthing strip material, size & length	Same as CRP panel earting.	
f)	Sr no. 8	Cable laying & termination at both ends from CT secondary terminal box, PT secondary terminal box & Breaker control cabinet in outdoor switchyard to C&R panels inside control room is in the bidder's scope.	As per the TS, supply of CT & PT is not included in BA scope, hence the CT & PT cable termination shall not be included in the scope of ITC.	Specification to be complied	
g)	Sr no. 12	Any Miscellaneous activities required for commissioning and SCADA integration is in bidder's scope.	Request you to kindly elaborate the miscallaneous activities. SCADA integration is not in BA scope as per tender requirement, Kindly clarify.	miscallaneous activities related to CRP shall be considered by Bidder.	
3	Corrigendum I Scope of work for ITC of VCB				
a)	Sr. No. 1 : Installation	Shifting of VCB and CT/PT structure	As per TS, only CT structure is to be supplied with VCB. Kindly confirm whether PT structure is to be provided.	Noted	
		Foundation of VCB and CT/PT with Structure	We understand that civil work of foundation plinth required for VCB installation shall be provided by customer and same is not in BA scope	Foundation of VCB and CT/PT with Structure shall be in the bidder's scope	
		Erection of VCB and CT/PT with Structure	As per TS, only CT structure is to be supplied with VCB. Kindly confirm whether PT structure is to be provided.	Noted	
		Control Cable laying from CRP to VCB and CT/PT	We understand that control cables will be provided by customer and only laying is in bidder scope.	Supply of cables is not in Bidder's scope. Only cable laying and termination is in bidder's scope.	
			As per the TS, supply of CT & PT is not included in BA scope, hence the CT & PT cable termination shall not be included in the scope of ITC.	& Supply of CT, CT & PT cable termination shall be in the scope of bidder and for more details please refer to Corrigendum I dated 30.05.2022	
b)	Sr. No-2, Commissioning		We understand that control cables will be provided by customer and only laying is in bidder scope.	Supply of cables is not in Bidder's scope. Only cable laying and termination is in bidder's scope.	
		CT wiring between CT and CRP/VCB panels. CT junction box installation	As per the TS, supply of CT & PT is not included in BA scope, hence the CT & PT cable termination & Installation shall not be included in the scope of ITC.	& Supply of CT , CT & PT cable termination shall be in the scope of bidder and for more details please refer to Corrigendum I dated 30.05.2022	
		PT wiring between PT and CRP/VCB panels	We understand that control cables will be provided by customer and only laying is in bidder scope. As per the TS, supply of CT & PT is not included in BA scope, hence the CT & PT cable termination &	Supply of cables is not in Bidder's scope. Only cable laying and termination is in bidder's scope. & Supply of CT, CT & PT cable termination	
			Installation shall not be included in the scope of ITC.	shall be in the scope of bidder and for more details please refer to Corrigendum I dated 30.05.2022	
		Earthing of VCB, CT and PT structure with flats and new pit erection. Earth pit testing (Earth Pit Values Earthing of VCB, CT and PT structure with flats and new pit erection. Earth pit testing (Earth Pit Values within 2 ohm)	New earth pit erection & testing is not in bidder scope. Pls confirm	New earth pit erection & testing shall be in bidder's scope.	
c)	Sr. No-3 - Testing	Testing of CT (IR, Primary and Secondary injection, etc)	As per the TS, supply of CT & PT is not included in BA scope, so please remove the testing of CT from BA scope	Supply of CT & Testing shall be in bidder's scope and for more details please refer to Corrigendum - I dated 30.05.2022	
		Testing of PT (IR measurement, etc)	As per the TS, supply of CT & PT is not included in BA	Supply of CT & Testing shall be in	

4			We understand that only installation and testing of MFM	MFM and Relays shall be installed in the existing panel and necessary commissioning and testing shall be done by BA.	
	Revised Payment Terms Supply-	20% payment shall be released within 45 days of submission of error free invoice upon after successful integration and commissioning of the equipment by TPSODL.	As per revised Schedule of Items ITC & supply are different line items so we request you to not link the payment against supply portion with ITC. Hence request you to release 100% payment against supply within 45 days submission of error free invoice upon successful supply of the equipement	Tender T & C shall Prevail	