

Bid Name : Revamping of existing RTU system at 15 Grid sub stations of BRPL including supply, installation, testing and commissioning, NEW DELHI (INDIA)
NIT Nos. : CMC/BR/19-20/SV/RS/SN/836 (Due date of Submission 10.02.2020 (1530 Hrs.)
Pre Bid meeting held on : 03.02.2020 (11 AM)

Sl.no	Clause no.	Ponit Nos.	Page Nos.	Description	Bidders Remarks	BRPL Response /Amendment/Corrigendum	Response Type
1	2.0	1		Scope of work			
2		2		c	Dismantling of existing RTU panel and cables Transportation of scrap material from site to scrap store to BRPL	Same will be in customer scope or others. Respective vendor scope or customer to provide final tested .SCD files	It is in Bidder Scope Clarification
3		3		(d)	Extraction of ICD/SCD Relays files from IEDs	BRPL shall provide ICD/SCD files. Rest of the configuration in RTU in bidders scope.	Clarification
4		4		(i)	Installation of cable trays	Not in RTU vendor scope. ,Same will be in customer scope	It is in Bidder Scope Clarification
5		5		(l)	dismantling of old RTUs and cables	Same will be in customer scope or others.	It is in Bidder Scope Clarification
6		6		(q) Miscellaneous	Dismantling of old RTUs and cables	Same will be in customer scope or others.	It is in Bidder Scope Clarification
7		7			Transportation of scrap material from site to scrap store to BRPL	Same will be in customer scope or others.	It is in Bidder Scope Clarification
8	2.3.14	8		RTU panels	RTU Panel should have air conditioner	Kindly clarify air conditioner requirement	Bidder shall supply RTU panel with FAN and filter. There would not be any provision of ACs in RTU. Corrigendum/Addendum
9		9			Make of Ethernet Switches (Make)	All us to quote following Ethernet switches Ruggedcom/Hirschmann/Kyland/Oring	Bidders need to quote as per technical specification attached with tender documents Clarification
10		10			Training & FAT	Air ticket, Travel , Lodging and boarding shall be taken care by customer.	Boarding and traveling expenses shall be taken care by BRPL. However, training expenses like manuals, training facilities for 5-6 officials etc. at your training center/Lab for 4-5 days shall be arranged by bidders. Corrigendum/Addendum
11	8	11		Terms of payment	Supply Part a) 70% prorata of supply value shall be payable against supply of equipment and materials within 30 days against receipt of material at site and submission of following documents duly certified by BRPL Project-in-charge: i.Consignee copy of LR ii.Detailed invoice showing commodity description, qty, unit & total price. iii.Original certificate issued by BRPL confirming receipt of material at site & acceptance iv.Dispatch clearance & inspection report issued by the inspection authority v.Packing List, Test Reports vi.Guarantee Certificate. b) 30% prorata after Installation, testing, Commissioning & Integration with SCADA duly certified by BRPL Project-in-charge and Handing Over of the entire Installation and submission of BG of 10% of contract value valid up to Defect Liability period plus 3 months towards Claim period.	Supply a) 80% after supply b)10% after the installation of RTU panels. c) 10% after testing and commissioning and submission of BG of 10% of contract value	No changes acceptable in payment terms. Clarification
12	10	12		Completion time	The entire erection work should be completed within 10 weeks from the date of issue of LOI	4-6 weeks for installation of RTUs 8-10 weeks for testing and commissioning of RTUs	There is no changes in implementation schedule. Clarification
13	13	13		Warranty	WARRANTY/DEFECTS LIABILITY PERIOD 13.01 The bidder to guarantee the materials / items supplied against any defect of failure, which arise due to faulty materials, workmanship or design for the entire defects liability period. The Defect liability period shall be 60 months from the date of Handing over of entire Installation.	The Defect liability period shall be 60 months from the date of supply of RTUs.	No changes acceptable Clarification
14	1.02	14	2		Bids will be received upto 10-02-2020, 1530 HRS	As 15 sites need to be surveyed to identify the qty of cable and other items, so we request to extend the tender for at least 01 week.	No changes acceptable, However, BRPL shall extend their full support for site survey if required. Clarification
15	2.0.1	15	3		The bidders must be Original Equipment Manufacturer (OEMs) and should have supplied & executed 50 Nos. RTUs during last 3 years in India.	we understand that we have to submit the overall list of RTU supplied by OEM irrespective of the model mentioned in bid.	Agreed. Bidders may submit list of RTU with different models. Clarification
16	10.04	16	8		The qty break-up shown else-where in Price Schedule is tentative. The bidder shall ascertain himself regarding material required for completeness of the entire work. Any item not indicated but is required to complete the job, shall be deemed to be included in the prices quoted.	During execution if there is any increase in the BOQ, will that be paid as per the Unit rate provided.	Quantity of Cables & Switches to be considered as a lot for Cable laying up to all feeders for integrating the Numerical relay's on IEC-61850 comes under the scope of bidder. Hence, bidders if so wish may visit sites and ascertain the requirement of cables,switches with Wall Mounted Panels,Suitable Glands,FO/CAT-6(armoured)/RS485/2 Core Cables,etc. and bid accordingly. No variation (positive/negative) during execution shall be considered. (Quantity mentioned in the tender specification in Para 3.1(B)-RTU Services , 3.2 and 3.3 is tentative only for bidder reference and PO shall be issued on LOT basis wherein no qty variation during execution shall be entertain.) Corrigendum/Addendum
17	24	17	11		24. COMMISSIONING PERIOD Supply, erection, testing & commissioning of entire system and integration with existing SCADA System within 10 weeks from the date of LOI/PO.	Delivery : 10 to 12 weeks form the drawing approval or manufacturing clearance. Whose make is existing SCADA System ? What is the integration Scope with existing SCADA ?	No changes acceptable in completion schedule. 1) Existing system is ABB make SCADA 2) Supplied RTU shall integrate with the existing Remote Server on IEC 104. Clarification

18	1.12	18	12		Spare Material Delivery for Restoration Of circuit (Major Defect) Under Guarantee Period within Two Weeks. Seller must keep Requisite Inventory of Critical Spares & Other Equipment's Covered in Guarantee Period to Restore Equipment within Two Weeks.	We understand that BRPL will keep the stock of critical spares and Seller will restore the equipment in case of use during warranty period.	Bidders must keep Requisite Inventory of Critical Spares & Other Equipment's Covered during the Guarantee Period to Restore Equipment within Two Weeks.	Clarification
19	22.07	19	21		Termination by Purchaser	giving three months' notice to the Supplier in that behalf, without assigning any reason therefore. All the obligations undertaken prior to such termination shall survive. After receipt of such a notice, the supplier shall not process the said products and forthwith hand over all the machines / tools / drawings etc. which are in the Suppliers custody, along with the product processed by the supplier and remaining the Supplier's custody. The Supplier shall be entitled for all the costs incurred for the work already performed until the time of termination if the termination is for the reasons attributed to the Purchaser. Supplier may suspend any part or full of the contract works after issuing a notice to the Purchaser in case of any breach of contract committed by the Purchaser. Supplier shall resume the work immediately on the Purchaser curing the defect or breach of the contract. If the suspension continues for more than 30 days, Supplier reserves the right to terminate the contract and the Purchaser shall reimburse the Supplier all the cost and expenses incurred by the	No changes acceptable	Clarification
20		20			Overall Limitation to Liability & Consequential damage	Notwithstanding anything in the Contract to the contrary and to the extent permitted by applicable law, (a) in no event shall either Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, special or punitive damages of any kind, or for loss of revenue or profits, loss of business, loss of information or data, or other financial loss, whether such damages arise in contract, tort or otherwise, irrespective of fault, negligence or strict liability or whether such Party has been advised in advance of the possibility of such damages; and (b) the maximum liability of the Seller for any and all claims, losses, damages, costs and expenses arising from or on connection with this Contract shall not exceed the amounts actually received by the Seller under this Contract.	Limitation of Liability & exclusion of Consequential Damages shall be as per : Whether arising in contract, tort (including negligence whether active or passive), warranty, strict liability or otherwise, the liability of the Supplier, its agents, employees, subcontractors and suppliers with respect to any and all claims arising out of the performance or nonperformance of obligations under the contract, whether arising in contract, tort (including negligence whether active or passive, warranty, strict liability or otherwise, shall not exceed in the aggregate the payment received and shall in no event include damages for loss of profit, loss of revenues, loss of power, loss of use, costs of capital, downtime costs, delays and claims of customers of purchaser or costs of replacement of power or loss of anticipated savings, increased costs of operation or for any special, indirect or consequential damage, loss of any nature whatsoever whether arising in contract, tort (including negligence whether active or passive), warranty, strict liability or otherwise. No such claim shall be asserted against the Supplier, its agents, employees, subcontractors or suppliers, unless the injury, loss or damage giving rise to the claim is sustained prior to the expiration of the period of warranty specified in the Contract and no suit or action thereon shall be instituted. This LIMITATION OF LIABILITY Article shall prevail over any conflicting or inconsistent provisions contained in any of the documents comprising the Contract, except to the extent such conflicting or inconsistent provisions further restrict the Supplier's liability.	Clarification
21	26.0	21	22		INDEMNIFICATION. Notwithstanding contrary to anything contained in this RFQ, Supplier shall at his costs and risks make good any loss or damage to the property of the Purchaser and/or the other Supplier engaged by the Purchaser and/or the employees of the Purchaser and/or employees of the other Supplier engaged by the Purchaser whatsoever arising out of the negligence of the Supplier while performing the obligations under this contract.	As per above, seller should not be liable for any 3rd party liability	Bidders need to indemnify BRPL as per NIT clause.	
22	10	22	26		10. COMPLETION PERIOD - The entire erection work should be completed within 10 weeks from the date of issue of LOI.	Will the required shutdowns be provided ? If the commissioning gets delayed due to reasons not attributable to SEIL, customer shall release the retension within 3 Months of supply/ within 6 months from PO/LOA.	BRPL shall ensure the all support and availability of required shutdown for execution. However, suspension of work shall be treated as : Purchaser reserves the right to suspend/restate execution of the whole or any part of the works without invalidating the provisions of the contract. Orders for suspension or reinstatement of the works will be issued to the contractor in writing. The time for completion of the works will be extended for a period equal to duration of the suspension. For an aggregate suspension period of less than Six(6) months the contractor shall not claim any reimbursement. Any necessary and demonstrate costs incurred by the contractor, as a result of suspension of the works beyond the above period, will be paid by the purchaser, provided such costs are substantiated to the satisfaction of the Purchaser. For this purpose, only the direct costs incurred shall be considered and this shall be exclude any overheads, incidentals or profit. The Purchaser's decision in this regard will be final and binding. The purchaser shall not be responsible for any liability if suspension or delay is due to some default on the part of Contractor or its sub contractor. Purchaser decision in this regard shall be final and binding. Purchaser shall not be responsible for any liability if suspension is caused due to some default on the part of the supplier and its sub suppliers.	Corrigendum/Addendum

23	15.1	23	28		PENALTY: 15.1 Penalty: A penalty of 10% of bill amount shall be levied in each case of non-compliance of safety practices and site cleanliness.	The penalty should be revised to Max 5 % of bill amount	No changes acceptable	Clarification
24	26	24	32		26 RISK & COST: If the Contractor of fails to execute the work as per specification / as per the direction of Engineer's In-change within the scheduled period and even after the extended period, the contract shall got cancel and company reserves the right to get the work executed from any other source at the Risk & Cost of the Contractor. The Extra Expenditure so incurred shall be debited to the Contractor.	Risk purchase shouldn't be levied on seller	No changes acceptable	Clarification
25	Appendix-1, 6	25	45		Liquidated damages - 1% of basic price for every week delay subject to maximum of 10% of total PO/WO value of undelivered units/ remaining work.	Please revise 0.5 % of basic price for every week delay subject to Maximum of 5% of the undelivered portion	No changes acceptable	Clarification
26	2.0, d	26	2		Extraction of ICD/SCD files from IED and further integration with RTU over IES 61850/IEC 103 Protocols at site with supplied Hardware	Who will provide ICD files of third party make IED's ? Their mapping addresses on respective protocols ? If there is any issue in those relays it will not be SEIL responsibility.	BRPL shall provide ICD/SCD files of the third party IED alongwith mapping details. Rest of the configuration in RTU in bidders scope.	Clarification
27		27			Qty of cable is firm as per annexures	Does the qty of cable mentioned is firm and any increase/decrease of cable qty at site will be paid as per unit price	Quantity of Cables & Switches to be considered as a lot for Cable laying up to all feeders for integrating the Numerical relay's on IEC-61850 comes under the scope of bidder. Hence, bidders if so wish may visit sites and ascertain the requirement of cables, switches with Wall Mounted Panels, Suitable Glands, FO/CAT-6(armoured)/RS485/2 Core Cables, etc. and bid accordingly. No variation (positive/negative) during execution shall be considered. (Quantity mentioned in the tender specification in Para 3.1(B)-RTU Services . 3.2 and 3.3 is tentative only for bidder reference and PO shall be issued on LOT basis wherein no qty variation during execution shall be entertained.)	Corrigendum/Addendum
28		28			Integration in existing SCADA	Integration in existing SCADA will be in whose scope	1) Existing system is ABB make SCADA 2) Supplied RTU shall integrate with the existing Remote Server on IEC 104.	Clarification
29		29			Old Cable	Removing of old cable will be in whose scope	In Bidders scope	Clarification
30	4	30	3	Qualification Criteria	The bidder should have average annual turnover of minimum of Rs. 200 Crores in last three financial years	It is requested that annual turnover requirement be aligned with the project size. It may be limited to 50cr which is considerable more then the usual practice of defining 4/5 times of the budgeted project value	PQR as per tender documents.	Clarification
31	3.02	31	5	Time Schedule	Last date of receipt of bid documents	It is requested that as tender was published on 31/01/2020 and submission is stated to be for 10/02/2019. This is just 6 working days. we request that bid submission be extended by two weeks to 24/02/2020. Time required for survey and putting the bid together.	No changes Acceptable	Clarification
32	3.01	32	5	Bid Submission	Technical Details / Filled in GTP/Type test report etc.	RTU GTP template may be included	Bidder require to submit bid as per technical specification	Clarification
33	3.02	33	5	Time Schedule	REVERSE AUCTION: Purchaser reserves the right to use REVERSE AUCTION through SAP-SRM as an optional tool as an integral part of the entire tendering process. All techno-commercially qualified bidders shall participate in this event	It is requested that only serious bidders be qualified for RA. Measure may be those with in 10% of L1 .	Bidders are require to submit competitive bids. RA shall be conducted as per BRPL procedure and guidelines	Clarification
34	2.3	34	5	Technical Specifications of RTU	Approved RTU makes - ABB, Siemens (AK3) & Schneider(SAITEL DP).	It is requested that HUSKY RTU be added to the approved RTU make as we are the existing BRPL RTU vendor with over 30 RTUs working in BRPL grids besides more than 2500 installations in India. We have 100% compliant RTU solution with works in NCR area.	Bidders who are OEMs for RTU and Numeric Relay can participate in the tender	Corrigendum/Addendum
35					Factory Acceptance Test arrangements for BSES team for 2 Persons for 3 days. Travel, Boarding, accommodation and local conveyance etc.. shall be under SCADA Vendor's Scope.	We request you to exclude the Travel, Boarding, accommodation and local conveyance etc from our Scope. Kindly Confirm	Boarding and traveling expenses shall be taken care by BRPL. However, training expenses like manuals, training facilities for 5-6 officials etc. at your training center/Lab for 4-5 days shall be arranged by bidders.	Corrigendum/Addendum
36					Transportation of Materials from BSES Store within Delhi to 15 Number Site Locations	Please specify location of BSES Store in delhi.	Bidders shall deliver the materials directly to the site locations. However, scrap materials (Panel, Cables) shall be transported to BRPL Scrap store. The maximum distance to the scrap store is around 15 to 20KM.	Clarification
37				2.0 Scope of work Q) Technical specification page no. 3 of 29.	Laying and Termination of Un-Armored RS485 Communication cables (Ethernet, RS 485 cables) between grid devices (Numerical Relay & MFM) thru metal conduit/GI pipe with proper tagging, and dressing upto RTU panel. Supply of White Sleeve PVC ferrule, tagging, lugs shall be scope of vendor's supply.	We propose HDPPP conduit instead of Metal conduit. Please accept.	Flexible conduit is acceptable only for internal panel wiring .	Clarification

38				The following types of cables / wirings will be required for extending signals and commands. Tagging is mandatory for all types of cables. Heat shrinking ferrule sleeves with printed ferrules to be used for identifying cables & Signals: 2CX2.5 mm2, Multi-stranded flexible copper wire, FRLS 1.1KV HRPVC for AC & DC Supply & 1.5 mm multi strand cables for other internal wiring for RTU. cables for external AC / DC Power Supply. 19CX0.75/1 mm2 Flexible Control cables for Inter Panel Wirings for DI/DO/AI (Digital input/Output, Analog input). 2P X 0.5 mm2 (Typically 22gauge Belden 8761) Screened Armored/Un-Armored PVC cable for internal/external RS 485 connections. Red(P) and Black(n) color cable core to be used for AC and DC wiring. Fiber Optic Cables (GLASS&PLASTIC Types) & Ethernet cables (CAT6) with conduit pipe for internal connections and Armored Cables for external connections.	Please specify the quantity of each type of Cables need to supply at each site.	Quantity of Cables & Switches to be considered as a lot for Cable laying up to all feeders for integrating the Numerical relay's on IEC-61850 comes under the scope of bidder. Hence, bidders if so wish may visit sites and ascertain the requirement of cables, switches with Wall Mounted Panels, Suitable Glands, FO/CAT-6(armoured)/RS485/2 Core Cables, etc. and bid accordingly. No variation (positive/negative) during execution shall be considered. (Quantity mentioned in the tender specification in Para 3.1(B)-RTU Services . 3.2 and 3.3 is tentative only for bidder reference and PO shall be issued on LOT basis wherein no qty variation during execution shall be entertain.)	Corrigendum/Addendum
39			2.1 Page No. 4 of 29	Cable Trays and NS cable Support Perforated / ladder type (galvanized Iron) with cover for laying the cables.	lease specify the quantity of cable tray with accessories for each site.		Corrigendum/Addendum
40			2.3 Remote terminal unit	Approved RTU makes - ABB, Siemens (AK3) & Schneider (SAITEL Dp). Bidders who are OEM of RTU and Numerical Relays are only acceptable.	we propose to provide Siemens Make A8000 RTU instead of Siemens make AK3 for subjected tender. Please provide your acceptance.	We will accept as per specs which is AK3 Model.	Clarification
41			Page no. 5 of 29	Warranty period should be started after handovering the system to BSES.	We propose to have 5 years of Replacement warranty from the date of Supply.	No changes acceptable	Clarification
42			2.3.7 Page no 6 of 29	RTU must have the capability of time synchronization with a GPS receiver and the GPS at the control room will be used for this synchronization purpose. In case of failure of the GPS receiver, the RTU's time synchronization should be through the Master's SCADA clock.	We understand GPS is already available at each site and need not to be supply with RTU.	Bidders need to supply GPS alongwith RTU for all loaction as per specs.	Clarification
43			2.3.14 RTU Grounding Page 7 of 29.	The safety ground shall be isolated from the signal ground and shall be connected to the ground network. Safety ground inside the panel shall be a copper bus bar (6Sqmm). The contractor shall connect the panel's safety ground to the grid grounding network.	We understand that Riser for Grounding has already available at each site near RTU panels. We have to provide Earthing bus in our panels only.	Earthing connectivity between panels to existing earth rod through GI Strips + 12 SqMM earthing cable shall comes under scope of the bidder.	Clarification
44			2.4 Ethernet /Fiber Switch Page no. 8 of 29.	Switch features and configuration should be easy to user interface and it must directly integrate with any other IEC-61850 devices. Shall be managed type and have KEMA certifications for IEC 61850.	We propose to have Global EMC Lab Certification in accordance to IEC 61850-3 which is alike to KEMA certification	Acceptable	Clarification
45			5.0 Key Points Page 27 of 29	20% Spare for RTU,DCU	In Tender BOQ, the IO counts and Port counts are mentioned in each substaion. We understand this count is including the requirement of spares.	IO count mentioned in Para 3.1 (technical specification) is not inclusive of spares. So 20% spares + ports to be considered for all loaction (Please refer Key points no. 2& 3 page nos. 81 (technical specification)	Clarification
46			3.0 Detail BOM & Scope of Work : 15 Locations. 3.1.15 IIT Page 24 of 29.	Note - 10% Spares to be Consider for all	we under 10% extra spares are not required as 20% spares are already considered above.	IO count mentioned in Para 3.1 (technical specification) is not inclusive of spares. So 20% spares + ports to be considered for all loaction (Please refer Key points no. 2& 3 page nos. 81 (technical specification)	Clarification
47			5.0 Key Points Page 27 of 29	Spare Ports - 20% Spare ports (Minimum - 3 to 4 No's Serial ports are essential) for IEC 103/Mod Bus Protocol Connections	In Tender BOQ, the Communication Port counts mentioned in each substaion are considered with 20% spare or not?	IO count mentioned in Para 3.1 (technical specification) is not inclusive of spares. So 20% spares + ports to be considered for all loaction (Please refer Key points no. 2& 3 page nos. 81 (technical specification)	Clarification
48				General	Please share the distance between the substations to BRPL Store	Bidders shall delivered the materials directly delivered to the site loactions. However, scrap materials (Panel , Cables) shall be transported to BRPL Scrap store. The maximum distance is around 15 to 20KM.	Clarification
49				General	As per clause 2.3 of specification approved makes mentioned are ABB, Siemens & SEIL. Bidders who are OEM of RTU and Numerical relay are only acceptable. Please share the list of other approved makes.	Bidders who are OEMs for RTU and Numeric Relay can participate in the tender	Corrigendum/Addendum
50				General	Please share the width and depth of panel required.	Cubicle total dimension(Height*width*depth) =2315(2200+100+15)*800*800	Clarification
51				General	Please share the specification of RTU panel with air conditioner.	Bidder shall supply RTU panel with FAN and filter. There would not be any provision of ACs in RTU.	Corrigendum/Addendum
52				General	Please share the length of 19 core 0.75/1 Sq. mm Flexible/armoured control cable required in each substation.	Quantity of Cables & Switches to be considered as a lot for Cable laying up to all feeders for integrating the Numerical relay's on IEC-61850 comes under the scope of bidder. Hence, bidders if so wish may visit sites and ascertain the requirement of cables, switches with Wall Mounted Panels, Suitable Glands, FO/CAT-6(armoured)/RS485/2 Core Cables, etc. and bid accordingly. No variation (positive/negative) during execution shall be considered. (Quantity mentioned in the tender specification in Para 3.1(B)-RTU Services . 3.2 and 3.3 is tentative only for bidder reference and PO shall be issued on LOT basis wherein no qty variation during execution shall be entertain.)	Corrigendum/Addendum
53				General	Please share the general arrangement drawings of existing panels.	Not required. However, Bidder may visit BRPL sites for their clarification. BRPL may extend their support for site visit and shared SLD on request.	Clarification

54					General	Please exclude the extraction of ICD/SCD files from existing substation IED's. It shall be free issue by BRPL to vendor.	BRPL shall provide ICD/SCD files. Rest of the configuration in RTU in bidders scope.	Clarification
55					General	BRPL representative To & fro travel expense, lodging & boarding expense for FAT & training shall be excluded from bidders scope and it shall be in BRPL account. Please confirm	Boarding and traveling expenses shall be taken care by BRPL. However, training expenses like manuals, training facilities for 5-6 officials etc. at your training center/Lab for 4-5 days shall be arranged by bidders.	Corrigendum/Addendum