

CORRIGENDUM – II
NIT : CMC/BR/21-22/RS/MS/928 For SURVEY, DESIGN, SUPPLY, INSTALLATION, TESTING, COMMISSIONING & INTEGRATION WITH SCADA OF FAULT PASSAGE INDICATORS AT SUBSTATIONS IN BRPL, NEW DELHI (INDIA)

SI No	Description	Existing Clause as per NIT	Request from Bidder	Bidder Clarification	BRPL Reply
1	Clause no. 2 Qualification criteria Technical:-	The Bidder should have successfully supplied, Installed and integrated field status to SCADA of 200 Nos. FPI Order in two reputed companies in last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation from 2 reputed companies as a supporting documents for minimum 200 nos. Installation.	The Bidder should have successfully supplied, Installed and integrated field status to SCADA of atleast 75 Nos. FPI in single Order in last 5 (Five) Years. Bidder shall submit completion certificate as a supporting documents for minimum 75 nos. Installation.	1. We have supplied, installed & commissioned 90 nos. of Communicable FPI on overhead power distribution network and data reporting/ Integrated to existing SCADA System for HPSEB/Alstom – Smart Grid Kala Amb Project (Order and Performance copy attached). 2. We have design, Supplied, Installed (WBSEDCL) West Bengal FPI Order for overhead Power distribution network which includes 1800 nos. (Non-Communicable FPI) + 450 nos. (Communicable FPI) on overhead power distribution network.(Order copy attached). The Project was completed in year March 2020. However, due to cyclone Amphan last year in West Bengal, in few Zone locations Poles and other installed assets on poles got damaged and subsequent Lockdown had derail the reordering process. However, we will submit the WBSEDCL signed Zone wise Measuring Book(MB) to establish the Supply and successful installation of communicable FPIs. Supportive MB clearly establish that the supplied communicable FPIs are in working condition and installed satisfactorily. MB copy attached. As you are already aware, We are also executing similar work in BRPL, PO No. NB/D01/23087445 (REV No. 0001 dated 29.01.2021) & WO No. SER/DSA/23564404 dated 29.09.2020 for Survey, Design, Supply, Installation, Testing, Commissioning & Integration with SCADA of FPIs at Sub Stations in BRPL (Total Quantity = 337 nos. composite panel with equipment, accessories & 200 nos. FPI), New Delhi which is significantly completed.	PI refer corrigendum
2	Clause no. 2 Qualification criteria Technical:-	Bidder shall submit the performance certificates for 1 year satisfactory performance from 2 reputed companies for executed jobs in last 5 years.	Bidder shall submit the performance certificates for 1 year satisfactory performance from atleast 1 reputed company for executed jobs in last 5 years.		PI refer corrigendum
3	Digital Inputs (Type - 2 & 3, Page no. 103)			Is Battery Health Monitoring Unit required?	BHMU Not required for Type-1 module
4		PAYMENT TERMS : Supply Part a) 10% advance against submission of BG of equivalent amount valid upto completion period/handling over , whichever is earlier plus 3 months claim period. In case of delay, the BG shall be extended suitably. b) 50% prorata of supply value shall be payable against R/A bills for 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. c) 40% prorata after Installation, testing, Commissioning & Integration with SCADA of equipment of installation 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. Erection, Testing, Installation and Commissioning: a) 10% advance against submission of BG of equivalent amount valid upto completion period/handling over , whichever is earlier plus 3 months claim period. In case of delay, the BG shall be extended suitably. b) 90% after Installation, testing, Commissioning & Integration with SCADA of equipment of installation duly certified by BRPL Project-in-charge.		Requested to consider following changes in payment terms : 1) Payment shall be through TReDS Platform available for MSMEs. 2) 40% prorata after Installation, testing, Commissioning & Integration with SCADA of equipment of installation 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. Pls. clarify the term handing over of the entire installation mapped with 40% payment. 3) 40% is huge amount and requested to reduce to 10 to 20% as bidder is submitting BG of 10% contract value valid up to DLP. Same shall help to maintain cash flow during this pandemic time.	PI refer corrigendum
5		Payment terms for Erection, Testing, Installation and Commissioning: a) 10% advance against submission of BG of equivalent amount valid upto completion period/handling over , whichever is earlier plus 3 months claim period. In case of delay, the BG shall be extended suitably. b) 90% after Installation, testing, Commissioning & Integration with SCADA of equipment of installation duly certified by BRPL Project-in-charge.		Requested to consider : b) 90% prorata after Installation, testing, Commissioning & Integration with SCADA of equipment of installation duly certified by BRPL Project-in-charge.	PI refer corrigendum

6		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		Pls. consider Liquidated damages : 0.50% of basic price for every week delay subject to maximum of 5% of total PO/WO value of undelivered units/ remaining work	Shall be as per BRPL NIT
7		Performance Bank Guarantee Contractor shall submit the performance bank guarantee equivalent to the 10% of the contract value at the time of claiming the last payment, with the validity of the bank guarantee till Defect Liability Period plus 3 months.		Performance Bank Guarantee amount shall be @3% of contract value inline to the guidelines of the GOI vide notification # No. F.9/4/2020-PPD dt. 12.11.2020, pls. confirm.	Shall be as per BRPL NIT
8		Bid Submission Date - Presently it is 01.07.2021, 1500 HRS		Request to extend the bid submission date by 2 weeks from the present due date to give sufficient time to prepare reasonable offer.	
9	5.5.2 Battery Charger	Rating of Battery Charger not provided		Please provide the rating of the battery charger	Rating of the Battery Charger to be designed as per the requirement. It shall fully charge the battery within 2 hrs
10		Type – 1 (16DI / 4DO) 11kv Manual RMUs			
11	5.0 Sub-Station Integration Module (SSIM)	Type – 2 (32DI / 16DO / 8AI) 11kv 3 Way Motorized RMUs		As per Annexure – 2: IO List Common Signals of Battery Charger, AC Fail, Door Open & Transformer signals list are not considered in the Ios mentioned in clause 5 Please clarify the detailed IO List.	IOs to be considered as per Annexure - 2 of technical specification (Page No 102, 103 of NIT)
12		Type – 3 (48DI / 16DO / 8AI) 11kv 4 Way Motorized RMUs			
13	1.2.2 Status Inputs	In addition, each input circuit shall include an LED indicator next to the circuit terminations to show the status of the associated input contact.		Status of Input & Output can be monitor Locally via FRTU Web Connection through Portable computer.	It is preferable to have local LED Indication on FRTU.
14	1	Tender Budget		We request the organisation to extend the budget allocated considering the complete scope of supply, installation , integration alongwith site survey.	
15	2	The Bidder should have successfully supplied, Installed and integrated field status to SCADA of 200 Nos. FPI Order in two reputed companies in last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation form 2 reputed companies as an supporting documents for minimum 200 nos. Installation	The Bidder should have successfully supplied, Installed and integrated field status to SCADA with min installation of 200 nos. RTU/FRTU in the last 5 years.		PI refer corrigendum
16		Bidder must have average annual turnover of minimum Rs 1 crore in last two (2) Financial years .	Please change to minimum Rs 50 crore in last two (2) Financial years		Shall be as per BRPL NIT
17	Annexure A 1.6	Scope involves where current FPI s are not working. Supply & installation of new FPI along with CBCT/Phase CTs including any retrofit requirement shall be shall be in the scope of bidder		Make of FPI procured by vendor & the faulty one at site may not be the same . In that case, making cut out or blanking plate is responsibility of BRPL . Please confirm	The erection of FPI including making of cutout/blanking plate in vendor scope. Being a turnkey contract all works to be carried out by the Vendor

18	Annexure 2.0	"The Bidder should have successfully supplied, Installed and integrated field status to SCADA of 200 Nos. FPI Order in two reputed companies in the last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation form 2 reputed companies as supporting documents for minimum 200 nos. Installation."		We would like to inform you that we have supplied and integrated FRTU data transmission to SCADA FRTU with GPRS Gateway without FPI.	PI refer corrigendum
19	Point No. 8 of NIT	1). 10% advance against submission of BG of equivalent amount valid upto completion period/handover, whichever is earlier plus 3 months claim period. In case of delay, the BG shall be extended suitably. 2). 50% prorata of supply value shall be payable against R/A bills for 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.		But other departments i.e. MES(Military Engineer Services), Indian Navy, Indian Army, Indian Airforce, DRDO have their payment terms as 10% Advance then 70% after supply of material and rest after successful installation, testing & commissioning. So we request you to please amend.	PI refer corrigendum
20	Point No. 8 of NIT	The Bidder should have successfully supplied, Installed and integrated field status to SCADA of 200 Nos. FPI Order in two reputed companies in last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation form 2 reputed companies as an supporting documents for minimum 200 nos. Installation.		You are requested to please clarify & amend the clause as per below mentioned: - 1). We have some ongoing projects of MES(Military Engineer Services) related to FRTU integration to SCADA, so can we cater the quantity of those projects or not. 2). Please allow us to submit the documents for 200 Nos. of installation from 3 Nos. of companies.	PI refer corrigendum
21	Technical details of FRTU	1.Type -1 FRTU Panel		SPD required or not for this FPI Panel, if required so please clarify for which signal (incoming power , ethernet, modbus) you want to protect with Surge.	1 No. SPD to be provided for DC Supply to FRTU/Modem Only.
22		2. Type – 2&3		SPD required or not for this Panel, if required so please clarify which signal (incoming power , ethernet, modbus) you want to protect with Surge.	1 No. Required for DC Supply to FRTU/Modem and 1 No. each for ethernet and modbus communication lines (Total 3 Nos SPD to be provided)
23				1.IEC 60870-5-104 library / Stack must be KEMA certified. 2. UL / cUL certified hardware: UL Certification is the top-rated safety certification in the world because their testing process is more rigorous and comprehensive than other certifications in a number of important ways. First, Underwriter Laboratories test for three separate facets of product safety: Electrical safety, Fire safety. 3. ATEX approval: ATEX certification ensures that equipment will work safely in explosive / hazardous environment without causing any accident if used as per the manufacturer's recommendations.	As per BRPL NIT Technical Specification
24	2.0 QUALIFICATION CRITERIA - Technical	<ul style="list-style-type: none"> • The bidder should be Original Equipment Manufacturers (OEM)/ Authorized Dealer(AUD)/ Authorized Distributor of OEM / Solution provider to power utilities. • Bidder quoting as authorized distributor/dealers of the manufacture will be considered provided: <ul style="list-style-type: none"> o The bidder furnishes authorization from the manufactures of material/item. o The bidder as authorized agent, has supplied similar item in past in any other utility. o The bidder shall be authorized distributor/dealer since last 02 yr or more. o Bidder shall submit manufacturer's authorization letter on OEM letter head duly signed by authorized signatory. • The Bidder should be a Solution provider for utility field RMU status to the Utility SCADA control System. The list of such installations shall be furnished (List of Installations). • The Bidder should have successfully supplied, Installed and integrated field status to SCADA of 200 Nos. FPI Order in two reputed companies in last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation form 2 reputed companies as an supporting documents for minimum 200 nos. Installation. 	<ul style="list-style-type: none"> The bidder should be Original Equipment Manufacturers (OEM)/ Authorized Dealer(AUD)/ Authorized Distributor of OEM / Solution provider of FRTU/RTU to power utilities. • Bidder quoting as authorized distributor/dealers of the FRTU/RTU manufacture will be considered provided: <ul style="list-style-type: none"> o The bidder furnishes authorization from the manufactures of material/item. o The bidder as authorized agent, has supplied similar item in past in any other utility. o The bidder shall be authorized distributor/dealer since last 02 yr or more. o Bidder shall submit manufacturer 's authorization letter on OEM letter head duly signed by authorized signatory. • The Bidder or it's OEM for FRTU/RTU should be a Solution provider for utility field RMU status/substation feeder status to the Utility SCADA control System. The list of such installations shall be furnished (List of Installations). • The Bidder or it's OEM for FRTU/RTU should have successfully supplied, Installed and integrated field status to SCADA of 200 Nos. FRTU/RTU FPI Order in two reputed companies in last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation form 2 reputed companies as an supporting documents for minimum 200 nos. Installation. 		PI refer corrigendum

25	9.0 PERFORMANCE GUARANTEE	9.02 Contract performance bank guarantee of total 10% of the contract price shall be submitted within 15 days of award of contract with the validity till completion of the contract period. 9.03 Contractor shall submit the performance bank guarantee equivalent to the 10% of the contract value at the time of claiming the last payment as per clause no. of TERMS OF PAYMENT (Erection, Testing & Commissioning)), with the validity of the bank guarantee till Defect Liability Period plus 3 months.	As per the GOI guideline considering the Pandemic situation, the bank guarantee to be submitted shall be equivalent to the 3% of the contract value. Therefore, requesting to accept 3% of CPBG and PBG instead of asked 10% of CPBG and PBG.		Shall be as per BRPL NIT
26	1.0 Scope of work	Site Survey – Carry out site survey of Sub-stations as per list and 11kV feeder SLD provided by BRPL. Purpose of the survey is to verify the field data - type of RMU at site, FPI working status, availability of auxiliary supply source etc. The Quantity as indicated in the BOQ is tentative only. Quantity shall be finalized based on the site survey report.		Whether the bidder need to do this site survey before bidding or after award of contract. It is mentioned that the quantity of FRTU and FPI in the BOQ are tentative only. Kindly clarify that the bidder needs to quote for the quantity of FRTU and FPI as mentioned in the BOQ and any variation during actual execution will taken care at actual at the time execution of the project only.	The site survey shall be carried out by the bidder after the award of contract. The bidder shall quote as per the Qty mentioned in tender. Any variation in qty will be taken care during actual execution
27	1.0 Scope of work	Installation, testing, commissioning and SCADA Integration with BRPL SCADA for the SSIM at various BRPL Locations including inter panel wiring (between RMU/DT/ACB & SSIM), wiring from Auxiliary power source, mounting for Indoor and outdoor locations etc.		Kindly confirm that the integration of proposed FRTU and FPI data with existing SCADA will be in the scope of BRPL, whereas the bidder only needs to provide the IEC 104 addressing of these FRTU and FPI data to the existing SCADA for integration. Also kindly provide the make and model details of the existing SCADA.	Any work required at SCADA level shall be done by BRPL. The Bidder scope shall be configuration of FRTU, testing and successful integration with BRPL SCADA
28	5.0 Sub-Station Integration Module (SSIM)	Type – 1: 16DI / 4DO (Along with Serial port for taking Relay signals to SCADA on MODBUS protocol) for 11kv Manual RMUs Type – 2: 32DI / 16DO / 8 AI (Along with Serial port for taking Relay signals to SCADA on MODBUS protocol) for 11kV 3 Way Motorized RMUs Type – 3: 48DI / 16DO / 8 AI (Along with Serial port for taking Relay signals to SCADA on MODBUS protocol) for 11kV 4 Way Motorized RMUs		Kindly confirm the number of serial ports required for each type of FRTU configuration. Also, per serial ports how many Modbus relays and/or meters needs to be interfaced. BRPL shall provide the Modbus register of these Modbus relays and/or meters for smooth integration with the proposed FRTU.	As per NIT Technical Specification
29	5.4 Mounting arrangement	For indoor locations: Suitable arrangement for mounting SSIM on the wall to be provided. For Outdoor locations: SSIM panel Box to be mounted on suitable 4 legged MS angle pedestal properly grouted in ground. Minimum height of bottom of the mounted SSIM panel Box shall be 1 meter above ground level		As there are two type of mounting options for SSIM panel which includes FRTU, where as in the BOQ total quantity of SSIM panel is 898, hence kindly provide the bifurcation of quantity for SSIM which have indoor application and outdoor application respectively.	The actual quantity of Indoor and Outdoor locations will be finalized after the survey. However, for estimate purpose 50:50 (Indoor:Outdoor) ratio shall be taken
30	5.5.2 Battery Charger	To be provided in only Type-1 SSIM		Kindly confirm that for Type-2 and Type-3 SSIM, BRPL will provide the required 24V DC power supply and single- phase AC power supply to the proposed SSIM panel.	Type-2 and Type -3 FRTU Panel shall be integrated with Motorized RMUs with Battery Backup, 24V DC Power wiring from Motorized RMU to FRTU Panel shall be done by the vendor
31	13.0 Drawings Submission	GA / cross sectional drawing of product showing all the views / sections		As we are ISO certified company and as per ISO guideline, we will not able to submit the detailed GA drawing and schematic wiring drawing at the time of bidding and will submit the same during detailed engineering of the project. However, we will submit all other documents like literature, GTP, Bill of material type test report etc. during bidding.	OK
32	Annexure - H: Make List	FPI (Both for Earth fault and Over current protection) : EMG/Schneider/SIEMENS/C&S	Requesting to accept other reputed makes of FPI meeting the specification requirement of this tender and the performance of same can be evaluated during POC.		FPI shall be provided as per the approved make list
33	Annexure - H: Make List	Battery Health Monitoring Unit : GOGATE/Allan		Kindly confirm whether bidders need to quote for the Battery Health Monitoring Unit. If yes, kindly provide the detail specification and quantity for the same.	BHMU Not required for Type-1 module
34	1.2.8 Wifi Connectivity for local access	An inbuilt wifi communication modem shall be offered in FRTU for local access via handheld devices (Tablet / smart phone / etc..). It shall be secured by means of [1] Activation/deactivation from the SCADA [1] SSID visibility configurable [1] Passphrase [1] Automatic disconnection by timeout		As per the tender BOQ, the modems are external to FRTU. Kindly confirm the modem and not the FRTU shall have WIFI connectivity for local access of FRTU. However, the local access can be done through the LAN port of the modem connected to the FRTU, hence we request to delete this point.	Inbuilt Wifi connectivity for the FRTU is preferable for local access instead of accessibility by LAN port. External modem to be provided for SCADA connectivity
35		Bidder shall submit the performance certificates for 1 year satisfactory performance from 2 reputed companies for executed jobs in last 5 years.	We want to participate the subject tender through our partners, But below clauses are meeting by Schneider (OEM), Not by partner. Will ensure warranty of the product (FPI) will be taking care by Schneider and also issue the authorization. Request you to kindly consider the OEM credentials instead of partners as per below.	Shall be complied by OEM(Schneider)	PI refer corrigendum. The PQR terms shall be complied by the participating vendor. Compliance of OEMs shall not be acceptable
36		"SCADA of 200 Nos. FPI Order in two reputed companies in last 5 (Five) Years. Bidder shall submit 2 Nos. (Two) Supply & Installation form 2 reputed companies as an supporting documents for minimum 200 nos. Installation."	We want to participate the subject tender through our partners, But below clauses are meeting by Schneider (OEM), Not by partner. Will ensure warranty of the product (FPI) will be taking care by Schneider and also issue the authorization. Request you to kindly consider the OEM credentials instead of partners as per below.	Shall be complied by OEM(Schneider)	PI refer corrigendum. The PQR terms shall be complied by the participating vendor. Compliance of OEMs shall not be acceptable