

CMC/BR/25-26/FK/PR/MS/1266
SUPPLY, INSTALLATION OF DT SMART METERS & ITS INTEGRATION WITH EXISTING HES AT BRPL

Amendment No. 1

Sr. No.	Section	Page No.	Clause No.	Existing Clause	Amendment / Clarification
1.	5	66	5.23 .(xvii)	MD in kVAR	5.23 .(xvii) stands deleted
2.	6	67	6.1.4 Terminal cover	f. Mechanism shall be provided to record an event with occurrence and restoration in case of meter enclosure/ terminal cover is opened.	6.1.4 (f). stands deleted
3.	6	67	6.1.5 Terminals	b. Two no's grub screws per terminal shall be provided	Amended as: 6.1.5 (b): Two no's grub screws/cheese head screw/Minus head per terminal shall be provided
4.	6	68	6.1.10 Battery	a. Lithium ion battery with guaranteed shelf life of 10 year. In case battery removal or total discharge same should not affect the working & memory of the meter.	Amended as: 6.1.10 (a) Lithium ion battery with guaranteed shelf life of 2 year. In case battery removal or total discharge same should not affect the working & memory of the meter.
	11	77	11.9 Battery	Lithium with guaranteed life of 15 years	11.9: Lithium with guaranteed life of 10 years
5.	7.	70	7.1 Meter Category	Smart meter comply with D4 category of IS 15959 (Part 3).	Amended as: 7.1: Smart meter comply with D3 category of IS 15959 (Part 3).
6.	7	74	Additional feature (Mandatory) 7.20	a) Meter should measure Voltage between Earth and Neutral and for the same have an additional terminal which can be connected to earth potential. The VNE can be part of inst parameter group b) When ever meter experiences a sudden change in load i.e. sudden reduction by 30%, it should log last 10 such events	7.20. stands deleted
7.	7	74	7.21 Digital Output (DO), Digital Input (DI) , Analog	a) Meter should have 2 no. of Digital Output (DO) ports to remotely connect/ disconnect the load via suitable mechanism. b) Meter should have 2 no. of Digital Input (DI) and 2	Amended as: 7.21 a) stands deleted b) Meter should have 2 no. of Digital Input (DI) and 2 no. of AI ports for measurement of various sensor

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			Input (AI)	no. of AI ports for measurement of various sensor parameters like ambient temperature, oil temperature, oil level etc	parameters like ambient temperature, oil temperature, oil level etc
8.	8	74	8.3 Size of LCD	Minimum 10X6mm PIN Type	Amended as: 8.3 Minimum 10X5 mm PIN Type
9.	8	74	8.4 LCD Digits	Total 10 digits	Amended as: 8.4: Minimum 8 digits
10.		84	Annexure-D OverVoltage (occurrence/ Restoration)	Occurrence: If $V_{pn} > 10\% V_{ref}$ Restoration: If $V_{pn} \leq 10\% V_{ref}$	Amended as: Annexure-D 1. Voltage Related Events: OverVoltage Occurrence: If $V_{pn} > 110\% V_{ref}$ Restoration: If $V_{pn} \leq 110\% V_{ref}$
11.		84	Annexure-D Low voltage	Low Voltage:-Restoration: If $V_{pn} \leq 75\% V_{ref}$	Amended as: Annexure-D 1. Voltage Related Events: Low Voltage Occurrence: If $V_{pn} < 75\% V_{ref}$ Restoration: If $V_{pn} \geq 75\% V_{ref}$
2.		84	Annexure-D Abnormal Power Off (Occurrence/ restoration)	If meter micro detect power off whereas phase voltage is present than abnormal power will be recorded. Meter shall continue to record energy as per phase voltage and current.	Annexure-D (.Power Related Events) Stands deleted
3.	6	69	6.2	Meter Box Suitable Double compression gland plate of brass shall be provided for incoming and outgoing cable entry at the bottom of the Box.	Amended as: 6.2 Suitable Double/Single compression gland plate of brass/Plastic shall be provided for cable entry at the bottom of the Box.
4.	6	69	6.2	6.2. Meter Box a. Meter box shall be of SMC sheet material having	Amended as: 6.2. Meter Box

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				grade S3S complying to IS 13410 having improved thermal, chemical, electrical, mechanical, low shrink and flame retardant properties with thickness minimum 3 mm.	a. Meter box shall be of SMC sheet material having grade S3S complying to IS 13410 having improved thermal, chemical, electrical, mechanical, low shrink and flame retardant properties with thickness minimum 2.5 mm.
5.	7	71	7.8	7.8 Load survey Data Phase wise Voltage and Current (Line, Active, Reactive) with instant and average value.	Amendment added as Annexure-F
6.	7	74	7.18	g. Control Events	7.18 (g) Stands deleted
7.	6.2	69	6.2.	Technical specification of SMC Meter box.	6.2 Amendment added as: Top,Right,Left side minimum gap between meter and Box is minimum 20 mm and bottom side is minimum 75 mm. For Front side Minimum gap is 10 mm.
8.		Page No. 89	SCOPE OF INSTALLATION WORK, Clause no. 3	Control Cable 12Cx2.5	Amendment added as Annexure-E
9.		Page No. 89	SCOPE OF INSTALLATION WORK		Amendment added as: 10. Neutral CT provided by BSES and its installation is to be done by bidder with meter installation.
10.	7	73	7.13	7.13 Support for broadcast message Meter shall support connection less messaging services of DLMS to support broadcast messages for a group of meters for following actions: a. Gap reconciliations. b. Firmware upgrade. c. On demand readings d. Updating of Programmable parameters	7.13 Stands deleted

All other Terms & Conditions of the referred Request for Proposal (RFP)/ Tender and/or Amendments shall remain unchanged.