

## Amendment - 1

dated 31.03.2017

S. No.	Item	Page No. / Clause No.	Technical Specifications as per RFP	Remarks
1	Modem Specs	Page 22	Modem should have a switch for switching off and on the supply of modem, which should be a spring loaded type of switch and should always keep modem in switched on position. Modem supply should be switched off only if switched is pressed and supply should be on the moment switch is released. Slot for insertion of SIM should be such positioned in Modem that after mounting the modem it should come in front side.	Deleted
2	-	Minimum Specifications of FIREWALL - Scada Firewall - Pg26	Antivirus, anti-worm, anti-spam and anti-spyware protection	Shall have Gateway antivirus/anti-malware which will protect from inflow of virus/Malware,spyware, adware, nagware, trojans, worms etc. from the Internet and other WAN locations at the gateway itself with content filtering without any lag in data transmission.
3	SECTION-IV SCOPE OF WORK, 2. DETAILED TECHNICAL SPECIFICATIONS – Distribution Transformer Monitoring System	Page No. 12	b. Monitor and transmit following parameters from distribution transformer. i. Electrical analogue (V, I, KW, KVAR, pF, Freq. etc.) and energy parameters. ii. Transformer oil temperature via thermostat (with required high temperature set point). iii. Transformer oil low level via digital input.	b. Monitor and transmit following parameters from distribution transformer. i. Electrical analogue (V, I, KW, KVAR, pF, Freq. etc.) and energy parameters. ii. Transformer oil temperature via thermostat/ <b>Palm sensor</b> (with required high temperature set point). iii. Transformer oil low level via digital input.
4	SECTION-IV SCOPE OF WORK, 2. DETAILED TECHNICAL SPECIFICATIONS – Distribution Transformer Monitoring System	Page No. 12	e.Communication shall be via cellular modem. K.Secure M2M connectivity with IPsec/L2TP/VPN & 3 DES.	Separate Line item added in BoQ and scope for SIM+Communication charges for 48 months in Tender
5	2.1 DT Monitoring Unit at Distribution Transformer Site:	Page No. 15	The panel will be supplied with following hardware: 2.5.1. Transformer oil temperature switch along with probe 2.5.2. Transformer oil level switch	The panel will be supplied with following hardware: 2.5.1. Transformer oil temperature switch/ <b>Palm sensor</b> along with probe 2.5.2. Transformer oil level switch
6	Section IV, point 2, sub point 2.4	page no. 12	iii. Transformer oil low level via digital input.	Monitor and transmit following parameters from distribution transformer. i. Electrical analogue (V, I, KW, KVAR, pF, Freq. etc.) and energy parameters. ii. Transformer oil temperature via thermostat/ <b>Palm Sensor</b> (with required high temperature set point). iii. Transformer oil low level via digital input.
7	Section IV, point 2, sub point 2.1	page no. 14	viii. Communicate with control centre via cellular modem (3G/4G).	viii. Communicate with control centre via cellular modem (GPRS/3G/4G).
8	Modem Specifications Point No. 1	page 21	The modem used with DTMU end will have suitable interface facility to connect with the DTMU by using the R5232 cable.	Deleted

9	Modem Specifications Point No. 5	page 21	The Modem should be supplied with power cable, High Gain antenna with Co-axial cable of suitable length, RS 232 connecting cable, mounting adapter etc. and should be complete in all respects.	RS232 cable is not required
10	Modem Specifications Point No. 12	page 22	Modem Power supply switch	Deleted
11	Distribution Transformer Monitoring Panel:	page 15	b. Cellular Modem with antenna along with SIM card and monthly usage charges for entire project duration i.e. 24 Months	b. Cellular Modem with antenna along with SIM card and monthly usage charges for entire project duration i.e. 48 Months
12	MANUFACTURER AUTHORIZATION FORM	Form-V (page-65)	We hereby extend our full guarantee and warranty in accordance with Clause 26 of the General Conditions of Contract or as mentioned elsewhere in the Tender Document, with respect to the Goods offered by the above firm in reply to this Invitation for Bids.	We hereby extend our full guarantee and warranty in accordance with General Conditions of Contract or as mentioned elsewhere in the Tender Document, with respect to the Goods offered by the above firm in reply to this Invitation for Bids.
13	SECTION-VI ELIGIBILITY CRITERIA	Sl. No. 3 (Page 54)	The Bidder must have successfully implemented similar type of DTMS system projects (meeting any of the below criteria) in a Power Distribution Utility in the last 7 years (i.e. FY 2009-10 to till the previous date of publication of this tender). a. One project covering implementation of minimum 200 nos. of Transformer Monitoring Unit with required hardware, software and other associated accessories. or b. Two project each covering implementation of 100 nos. of Transformer Monitoring Unit with required hardware, software and other associated accessories or c. Three project each covering implementation of 70 nos. of Transformer Monitoring Unit with required hardware, software and other associated accessories	The Bidder must have successfully implemented similar type of Electrical Asset Monitoring System projects (meeting any of the below criteria) in a Power Distribution Utility in the last 7 years (i.e. FY 2009-10 to till the previous date of publication of this tender). a. One project covering implementation of minimum 100 nos. of DTMU/TMU/FRTU with required hardware, software and other associated accessories. Or b. Two project each covering implementation of 70 nos. of DTMU/TMU/FRTU with required hardware, software and other associated accessories. Or c. Three project each covering implementation of 50 nos. of DTMU/TMU/FRTU with required hardware, software and other associated accessories
14		Sl. No. 4 (Page 54)	The Bidder should have at least 5 personnel on its rolls with similar kind of implementation experience of 2 years (either in his/her own or other organization). The roles & responsibilities of the personnel should include development and/or customization of DTMS System.	The Bidder should have at least 5 personnel on its rolls with similar kind of implementation experience of 2 years (either in his/her own or in other organization). The roles & responsibilities of the personnel should include development and/or customization of DTMU/TMU/FRTU or Similar Electrical Asset Monitoring System.
15		Sl. No. 4 (Page 55)	OEM should have manufactured and supplied at least 1000 DTMU/TMU per annum in last three years of similar specs & total rejection of DTMS supplied should be less than 1% at field due to manufacturing defects	OEM should have manufactured and supplied at least 180 DTMU/TMU/FRTU per annum in last three years of similar specs & total rejection of DTMS supplied should be less than 1% at field due to manufacturing defects
16	Payment terms	Page-49		Revised Payment terms, Please refer Annexure-1
17	TENDER EVALUATION METHODOLOGY	Page-59		QCBS Approach, Please refer Annexure-2