BSES RAJDHANI POWER LIMITED (BRPL)
NIT No.CMC/BR/25-26/FK/PR/SN/1308

Amendment No. 1

Sr. No.	Section	Page No.	Clause No.	Existing Clause	Amendment/Clarification
1.	Section 1	24 of 449	Clause 4.2	Manufacturer Authorization Form (MAF)	Added as: For MDM and SPBM or any other AMI Software, if implemented by agency other than OEM, the OEM can provide MAF directly to such implementing agency and implementing agency can provide MAF to Bidder for OEM and implementation. However the Licences shall be in the name of BRPL. This will not absolve OEM of its responsibilities for Technical support and other project requirement.
2.	Section 5	74 of 449	Clause 4	Existing Billing Process	Added as 6. MDCC and Inspection Report
3.	Section 5	74 of 449	Clause 5	Existing Terms of Payment	Amended as Amended Terms of Payment attached
4.	Section 6	123 of 449		SMS Gateway	Clarified as SMS and Email Gateway shall be provided by BSES
5.	Section 6	153, 201, 225, 409, 410 of 449		Network Operation/Operations cum Monitoring Centre/ Network Operation and Monitoring Centre	Clarified as Network Operation/Operations cum Monitoring Centre/ Network Operation and Monitoring Centre to be considered as Smart Meter Operation Centre (SMOC) wherever applicable.
6.	Section 6	241, 265, 294 & 321 of 449	Clause 6.15 (d), 6.14(d), 6.14(e) & 6.13(e)	**Communication Module** Communication module shall be configurable for IPV6 with backward compatibility with IPV4	Amended as Communication module shall be configurable for IPV6
7.	Section 6	293 & 320 of 449	Clause 6.4	**Terminal Cover** f. Mechanism shall be provided to record an event with occurrence and restoration in case of meter enclosure cover is opened. Bidder shall explain its mechanism.	Stands deleted
8.	Section 7	374 of 449		Existing Price Format	Amended as Amended Price Format attached

All other terms & conditions of the referred Request for Proposal (RFP)/ Tender shall remain unchanged.

Section 5: Special Conditions of Contract

1. Amended Terms of Payment

Part A: **Payment for CAPEX Part for Meters + Boxes + Installation & Commissioning + Service Cable on Per node (Meter) basis for each successful supplied/implemented meter (Applicable for initial 6 Lakh and Subsequent NTPs in multiple of up to 6 Lakh Meters)**

S. No.	Payment Schedule	Milestones
1.	**30%** of CAPEX Cost of **Price Schedule A**	To be paid on Supply of each 25K no. of smart meter lots after successful Meter-HES Integration and Deployment on cloud.
2.	**50%** of CAPEX Cost of **Price Schedule A**	To be paid upon successful Supply, Installation and Commissioning of Smart Meters in MDM of each 25K no. of smart meter lot after successful 'Operational Go-Live'.
3.	**20%** of CAPEX Cost of **Price Schedule A**(retention amount)	To be paid after 24 months from the date of invoice of CAPEX cost mentioned at point no. 2.

K= Thousand

Note:

i. The CAPEX cost shall include item **1A to 1M of Price Schedule A** only

ii. The cost for Installation/Replacement of Service Line Cable (**1N of Price Schedule A**) shall be paid fully (100%) on actual utilization basis. The invoice for the same shall be submitted by SI separately and duly certified by BRPL project-in-charge

iii. Billing Process: For payment against supplies and installation & commissioning, SI shall submit the following documents duly certified by the BRPL project-in-charge:

Supplies	Installation& Commissioning
1. Copy of lorry receipt 2. Detailed invoice showing commodity description, quantities, units 3. Guarantee certificate. 4. GRN (wherever applicable) 5. MDCC and Inspection Report	1. Bill/ invoice No. and date (duly certified and stamped by competent authority of SI). 2. Detailed invoice showing commodity description, quantities, units 3. System generated report from MDM for the number of smart meters installed 4. Other relevant documents as per the requirement and applicability. Please refer Billing Process

Part B: **Payment for CAPEX Part for AMI Software (Applicable for initial 6 Lakh metering points only)**

S. No.	Payment Schedule	Milestones
1.	**30%** of CAPEX Cost of **Price Schedule B**	a) **AMI Software Deployment (1A to 1F):** To be paid after successful deployment of AMI Software on QA environment of cloud and handover of licenses to BRPL. b) **IT Implementation, Integration & SMOC (2 to 4):** To be paid after successful deployment and integration of AMI Software on QA environment of cloud.
2.	**50%** of CAPEX Cost of **Price Schedule B**	a) **AMI Software Deployment (1A to 1F):** To be paid on successful IT implementation on cloud after successful 'Operational Go-Live'and handover of licenses to BRPL. b) **IT Implementation, Integration & SMOC (2 to 4):** To be paid on successful IT implementation on cloud after successful 'Operational Go-Live'.
3.	**20%** of CAPEX Cost of **Price Schedule B** (retention amount)	a) **AMI Software Deployment (1A to 1F):**To be paid after 24 months from the date of invoice of CAPEX cost mentioned at point no. 2. b) **IT Implementation, Integration & SMOC (2 to 4):** To be paid after 24 months from the date of invoice of CAPEX cost mentioned at point no. 2.

Note

i. **AMI Software Deployment** cost shall be paid for initial lot of 6 Lakh metering points.
ii. The cost for **IT Implementation, Integration and SMOC** shall be paid in **One Go** as per above Terms of Payments.
iii. The invoice for the AMI Software & Implementation shall be raised after certification by the BRPL project-in-charge

Payment for CAPEX Part for AMI Software (Applicable for incremental lots of 50K metering points after 6 Lakh metering points)

S. No.	Payment Schedule	Milestones
1.	**80%** of CAPEX Cost of **Price Schedule B**	**AMI Software Deployment (1A to 1F):** To be paid on successful activation and handover of licenses after successful 'Operational Go-Live' of each lots of 50k metering points.
2.	**20%** of CAPEX Cost of **Price Schedule B** (retention amount)	**AMI Software Deployment (1A to 1F):** To be paid after 6 months from the date of invoice of CAPEX cost mentioned at point no. 1.

Note:

i. All above payments to be released subject to Acceptance of LoA, Contract signing and submission of PBG.
ii. Total Project cost for 30 Lakh Smart Meters is as calculated under Price Schedule A, B & C.
iii. Total cost for 6 Lakh meter shall be prorated project cost of 30 Lakh meters.
iv. NTP*(s) will be issued to SI for area and number of Meters to be replaced.

*NTP: Notice to proceed

Part C: Payment for OPEX Part

- Refer Terms of Payment in the referred Request for Proposal (RFP)/Tender

Section 7: Price Format

2. Amended Price Format

The per node (meter) cost prices are to be quoted in two parts as CAPEX and OPEX components which are described as below;

1. **CAPEX :**All type of Smart Meters (each with related meter box, hardware, Software and equipment), all type of AMI Software (HES, MDMS, Pre Paid, Consumer Mobile Apps, WFM and SMOC), Meter Installation, IT Implementation and Integration of AMI with Utility Systems or any other related work which will generate asset value.

2. **OPEX (On monthly basis):** ATS charges for AMI Software, Cloud service charges, O&M Charges for Field and IT equipment, Data charges for Cellular Meters and Interest components w.r.t. to deferred CAPEX components or working capital components (If any).

Price Schedule A: CAPEX Part for Meters + Boxes + Installation & Commissioning + Service Cable

Sr. No.	Item	UOM	Qty.	Unit Price (INR)	Applicable GST (%)	Unit Price with GST (INR)	Total Price (INR)
A	B	C	D	E	F= E*GST%	G= E+F	H= D*G
1.	**Smart Meter**	**Nos.**					
A.	**Supply of** IS 16444 Part-1 of Accuracy Class 1.0 **Single Phase** Whole Current Smart Meter of rating 10/60A with Communication Module (with Net-Metering) – **Consumer Meter**	Nos.	28,09,849				
B.	**Supply of Meter Box** for **Single Phase** Whole Current Smart Meter with associated accessories and requisite no. of Polycarbonate Seals – **Consumer Meter**	Nos.	28,09,849				
C.	**Installation and commissioning** of Single Phase Whole	Nos.	28,09,849				

Sr. No.	Item	UOM	Qty.	Unit Price (INR)	Applicable GST (%)	Unit Price with GST (INR)	Total Price (INR)
A	B	C	D	E	F= E*GST%	G= E+F	H= D*G
	Current Smart Meters with/without Meter Box and necessary accessories -**Consumer Meter**						
D.	**Supply of** IS 16444 Part-1 of Accuracy Class 1.0 **Three Phase** Whole Current Smart Meter of rating 20/100A with Communication Module(with Net-Metering) – **Consumer Meter**	Nos.	1,76,771				
E.	**Supply of Meter Box** for **Three Phase** Whole Current Smart Meter with associated accessories and requisite no. of Polycarbonate Seals – **Consumer Meter**	Nos.	1,76,771				
F.	**Installation and commissioning** of Three Phase Whole Current Smart Meterswith/without meter box and necessary accessories-**Consumer Meter**	Nos.	1,76,771				
G.	**Supply of** IS 16444 Part-2 of Accuracy Class 0.5s **Three Phase** LT CT operated Smart Meter of rating 5/10A with Communication Module (with Net-Metering) – **Consumer Meter**	Nos.	11,633				
H.	**Supply of Meter Box** for **Three Phase** LT CT operated Smart Meter with CTs, associated accessories and requisite no. of Polycarbonate Seals – **Consumer Meter**	Nos.	11,633				
I.	**Installation and commissioning** of Three Phase LT CT operated Smart Meters with/without meter box and necessary accessories - **Consumer Meter**	Nos.	11,633				
J.	**Supply of** IS 16444 Part-2 of Accuracy Class 0.5s **Three Phase** CT PT operated Smart Meter of rating **5/10A**without Meter Box & CTs, with Communication Module, associated accessories and requisite no. of Polycarbonate Seals (with Net-Metering) – **HT Meter**	Nos.	1,676				
K.	**Supply of** IS 16444 Part-2 of Accuracy Class 0.2s **Three Phase** CT PT operated Smart Meter of rating **1/2A**without Meter Box & CTs, with Communication Module, associated accessories and requisite no. of Polycarbonate Seals (with	Nos.	71				

Sr. No.	Item	UOM	Qty.	Unit Price (INR)	Applicable GST (%)	Unit Price with GST (INR)	Total Price (INR)
A	B	C	D	E	F= E*GST%	G= E+F	H= D*G
	Net-Metering) – **HT Meter**						
L.	**Installation and commissioning** of Three Phase CT PT operated Smart Meters and necessary accessories-**HT Meter**	Nos.	1,747				
M.	**Supply, installation and Commissioning of Equipment and Systems related to RF Communications such as Routers and associated accessories, RF network design and technology etc.**	**Nos.**	25,000				
N.	**Installation/Replacement of Service Line Cable (length approx 6-30 Meter)at consumer premises including fixing of saddles, fasteners for support, transportation of cable/material/manpower from BRPL Store to Vendor Store and Vendor Store to Site & vice-versa, return of scrap to assigned BRPL store and any other work required to complete the job**	**Mtr.**	5,000				
Total CAPEX Cost for Meters + Boxes + Installation & Commissioning (INR)							

Price Schedule B: CAPEX Part for AMI Software

Sr. No.	Item	UOM	Qty.	Unit Price (INR)	Applicable GST (%)	Unit Price with GST (INR)	Total Price (INR)
A	B	C	D	E	F= E*GST%	G= E+F	H= D*G
1.	**AMI Software**						
A.	Unified Head End System **(UHES)**	Lot	1				
B.	Meter Data Management System (**MDMS**)	Lot	1				
C.	Smart Pre-paid Billing Module **(SPBM)**	Lot	1				
D.	Advanced Data Analytics	Lot	1				
E.	Work Force Management Tool (**WFM**)	Lot	1				
F.	Consumer Portal and Mobile App	Lot	1				
2.	**IT Implementation on Cloud**	**Lot**	**1**				
3.	**Integration of AMI System with BRPL Systems**	**Lot**	**1**				
4.	**Smart Meter Operation Centre (SMOC)**	**Lot**	**1**				

Sr. No.	Item	UOM	Qty.	Unit Price (INR)	Applicable GST (%)	Unit Price with GST (INR)	Total Price (INR)
A	B	C	D	E	F= E*GST%	G= E+F	H= D*G
Total CAPEX Cost for AMI Software (INR)							

Note

1. Lot 1 = 30 Lakh Metering Points and
2. Per node (meter) CAPEX cost is equal to the Total CAPEX Cost divided by the no. of smart meters.

Price Schedule C: OPEX Part

S. No.	Item Description	UOM	Qty in Nos.	Rate per unit including all taxes and duties other than GST (in INR / month / Meter)	GST Applicable in %	SI Service charge (in INR per meter per month)	Total cost for each category of Meter Months (in INR).
		(A)	(B)	(C)	(D)	(E = CX(1+D%)	(G) = B x E x 90 months
1	Cellular Data Cost	Nos.	30,00,000				
2	Annual Technical Services for AMI Software	Nos.	30,00,000				
3	Field and IT Operation and Maintenance	Nos.	30,00,000				
4	Cloud Hosting Charges	Nos.	30,00,000				
Total OPEX Cost (INR)							

Total Cost (INR) = Total CAPEX Cost A (INR) + Total CAPEX Cost B (INR) + Total OPEX Cost C (INR)

Total Cost (in words): Rupees_____only.