Amendments to the RFE published dtd. 21st April, 2022

Sr.	RFE Clause	Original Clause	Amended Clause
No.	Reference		
1.	Section 2 Eligibility & Qualification Requirements, B. Qualification Requirements	2. Requirements to be fulfilled by the Head End System (HES) proposed for the demonstration: a. Proposed HES should have been integrated with at least 2 (two) different MDMS solutions in Indian/Global Utility(ies) as on the date of application.	2. Requirements to be fulfilled by the Head End System (HES) proposed for the demonstration: a. Proposed HES should have been integrated with at least 2 (two) different MDMS/ other utility IT solutions in Indian/ Global Utility(ies) as on the date of application.
2.	Section 2 Eligibility & Qualification Requirements, B. Qualification Requirements	 3. Requirements to be fulfilled by the Meter Data Management System (MDMS) proposed for the demonstration: b. Proposed MDMS should have been integrated with at least 2 (two) different Billing systems in Indian/Global Utility(ies) or with Billing systems of 2 (two) different Indian/Global Utility(ies) as on the date of application. 	3. Requirements to be fulfilled by the Meter Data Management System (MDMS) proposed for the demonstration: b. Proposed MDMS should have been integrated with at least 2 (two) different Billing systems in Indian/ Global Utility(ies) or with Billing/ other IT systems of 2 (two) different Indian/Global Utility(ies) as on the date of application.
3.	Section 2 Eligibility & Qualification Requirements, B. Qualification Requirements	 4. Requirements to be fulfilled by the System Integrator (SI) proposed for the demonstration of solution: a. Proposed SI should have experience of implementation of at least 2 (two) billing systems/ solutions in an Indian/ Global Utility (power/ water/ natural gas/ telecom) in last 7 (seven) years, in which the meters are in operation for at least 1 (one) year. b. Proposed SI should have valid ISO 9001:2015 and CMMI Level 3 (or above) certifications as on the date of application. c. Proposed SI should have a valid ISO 27001 certification as on the date of application. 	 4. Requirements to be fulfilled by the System Integrator (SI) proposed for the demonstration of solution: a. Proposed SI should have experience of integration of HES/ MDMS/etc., with at least 2 (two) Billing/ other utility IT systems in Indian/ Global Utility (power/ water/ natural gas/ telecom). b. Proposed SI should have valid ISO 9001:2015 certification as on the date of application. c. Proposed SI should have a valid ISO 27001 or CMMI Level 3 (or above) certifications as on the date of application.

Sr.	RFE Clause	Original Clause	Amended Clause
No. 4.	Reference Section-II: Application Data Sheet (ADS) D. Empanelment Requirements	II. Head End System (HES) solution [Requirements to be fulfilled for any additional Make/Manufacturer also which are being included in the demonstration] q. The proposed HES solution should have been successfully integrated with at least 2 (two) nos. of Meter Data Management Systems (MDMS) of different makes / solution providers	II. Head End System (HES) solution [Requirements to be fulfilled for any additional Make/Manufacturer also which are being included in the demonstration] q. The proposed HES should have been integrated with at least 2 (two) different MDMS/ other utility IT solutions in Indian/ Global Utility(ies) as on the date of application.
5.	Section-II: Application Data Sheet (ADS) D. Empanelment Requirements	III. Meter Data Management System (MDMS) solution t. The proposed MDM solution should have been successfully integrated with at least 2 (two) nos. of different Billing System or billing systems of 2 (two) different utility(ies)	III. Meter Data Management System (MDMS) solution t. Proposed MDMS should have been integrated with at least 2 (two) different Billing systems in Indian/ Global Utility(ies) or with Billing/ other IT systems of 2 (two) different Indian/Global Utility(ies) as on the date of application.
6.	Section-II: Application Data Sheet (ADS) D. Empanelment Requirements	IV. System Integrator w. Experience of implementation of at least 2 (two) billing systems/ solutions in an Indian/ Global Utility (power/ water/ natural gas/ telecom) in last 7 (seven) years, in which the meters are in operation for at least 1(one) year. x. Should have valid ISO 9001:2015 and CMMI Level 3 (or above) certifications y. ISO 27001 certification as on the date of bid submission as on date of replacement	IV. System Integrator w. Experience of integration with at least 2 (two) billing/ other utility IT systems in an Indian/ Global Utility (power/ water/ natural gas/ telecom). x. Should have valid ISO 9001:2015 certification y. Should have valid ISO 27001 or CMMI Level 3 (or above) certifications as on the date of application.
7.	Section -4 Form 2 - Compliance Sheet for Empanelment Application	II. Head End System (HES) solution [Requirements to be fulfilled for any additional Make/Manufacturer also which are being included in the demonstration]	II. Head End System (HES) solution [Requirements to be fulfilled for any additional Make/Manufacturer also which are being included in the demonstration]

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No.	Reference	m 1 III0 1 1 1 1 1 1	
		q. The proposed HES solution should have been	q. The proposed HES should have been integrated
		successfully integrated with at least 2 (two) nos. of Meter	with at least 2 (two) different MDMS/ other utility
		Data Management Systems (MDMS) of different makes	IT solutions in Indian/ Global Utility(ies) as on
		/ solution providers	the date of application.
8.	Section -4 Form 2 -	III. Meter Data Management System (MDMS)	III. Meter Data Management System (MDMS)
	Compliance Sheet	solution	solution
	for Empanelment	t. The proposed MDM solution should have been	t. Proposed MDMS should have been integrated
	Application	successfully integrated with at least 2 (two) nos. of	with at least 2 (two) different Billing systems in
		different Billing System or billing systems of 2 (two)	Indian/ Global Utility(ies) or with Billing/ other
		different utility(ies)	IT systems of 2 (two) different Indian/Global
			Utility(ies) as on the date of application.
9.	Section -4 Form 2 -	IV. System Integrator	IV. System Integrator
	Compliance Sheet	w. Experience of implementation of at least 2 (two)	w. Experience of integration with at least 2 (two)
	for Empanelment	billing systems/ solutions in an Indian/ Global Utility	billing/ other utility IT systems in an Indian/
	Application	(power/ water/ natural gas/ telecom) in last 7 (seven)	Global Utility (power/ water/ natural gas/
		years, in which the meters are in operation for at least	telecom).
		1(one) year.	x. Should have valid ISO 9001:2015 certification
		x. Should have valid ISO 9001:2015 and CMMI Level 3	y. Should have valid ISO 27001 or CMMI Level 3
		(or above) certifications	(or above) certifications as on the date of
		y. ISO 27001 certification as on the date of bid	application.
		submission as on date of replacement	of Factorians
10.	Section -6 A.	2. Monthly Billing Profile Collection	2. Monthly Billing Profile Collection
	Functionalities		
	and Performance	2.2 At scheduled frequency/ trigger from MDMS, HES	2.2 At scheduled frequency HES should pull the
	Levels required to	should send request to Smart Meter to collect Monthly	Monthly Meter Data from Smart Meter over the
	be Demonstrated	Billing Profile data (as per attached structure)	communication Channel
	for Certification	Source – HES	Source – HES
11	Continue (Destination – Meter	Destination – Meter
11.	Section -6 A. Functionalities	3. Remote Meter Disconnection	3. Remote Meter Disconnection
	and Performance		
	and renormance		

Sr.	RFE Clause	Original Clause	Amended Clause
No.	Reference		
	Levels required to	3.1 Meter disconnect operation command after wallet	3.1 Meter disconnect operation command after
	be Demonstrated	balance calculation.	wallet balance calculation.
	for Certification	Source – Prepaid Engine	Source – Prepaid Engine/Billing System
		Destination – Billing System	Destination – MDM
12.	Section -6 A.	3. Remote Meter Disconnection	3. Remote Meter Disconnection
	Functionalities		
	and Performance	3.2 Disconnection alert sent to consumer.	3.2 Disconnection alert sent to consumer.
	Levels required to	Source – Billing System	Source – MDM
	be Demonstrated	Destination – MDM	Destination – Billing System
	for Certification		
13.	Section -6 A.	4. Remote Meter Reconnection	4. Remote Meter Reconnection
	Functionalities		
	and Performance	4.1 Meter reconnect operation command after wallet	4.1 Meter reconnect operation command after
	Levels required to	recharge	wallet recharge
	be Demonstrated	Source - Billing system	Source - Billing system/Prepaid Engine
	for Certification	Destination - Prepaid Engine	Destination - MDM
14.	Section -6 A.	6. Remote firmware upgrades/ meter configuration	6. Remote firmware upgrades/ meter
	Functionalities	changes	configuration changes
	and Performance		
	Levels required to	6.1 Remote firmware upgrade	6.1 Remote firmware upgrade
	be Demonstrated	Source – MDM \rightarrow HES	Source – HES
	for Certification	Destination – Meter	Destination – Meter
15.	Section -6 A.	6. Remote firmware upgrades/ meter configuration	6. Remote firmware upgrades/ meter
	Functionalities	changes	configuration changes
	and Performance		
	Levels required to	6.2 Configuration Commands: Change tariff parameters,	6.2 Configuration Commands: Change tariff
	be Demonstrated	synchronize clock, Registers reset (status, max,	parameters, synchronize clock, Registers reset
	for Certification	tampering)	(status, max, tampering
		Source – MDM \rightarrow HES	Source – HES
		Destination – Meter	Destination – Meter
16.	I Castian 6 A	6 Domesto Europeana supera dos / motor configuration	6 Domete European unamedee/ meter
	Section -6 A.	6. Remote firmware upgrades/ meter configuration	6. Remote firmware upgrades/ meter
	Functionalities and Performance	changes	configuration changes

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17.	Reference Levels required to be Demonstrated for Certification Section -6 A. Functionalities and Performance Levels required to be Demonstrated for Certification	 6.3 Status update of Firmware / Configuration Source – Meter Destination – HES → MDM A.2. The applicants are required to demonstrate the Performance SLA levels of an AMI system as mentioned in the below Table: 4. Prepaid recharge b. Payment success to meter update (From MDM to HES to Meter) Service Level Required: From 90% of meters within 30 minutes From 99% of meters within 1 (one) hour 	6.3 Status update of Firmware / Configuration Source – Meter Destination – HES A.2. The applicants are required to demonstrate the Performance SLA levels of an AMI system as mentioned in the below Table: 4. Prepaid recharge b. Reconnection of meter after payment success and balance is positive (From Billing/ prepaid engine to MDM to HES to Meter) Service Level Required: • From 90% of meters within 30 minutes • From 99% of meters within 1 (one) hour
18.	RFE Notification Key Dates	Empanelment Fee - INR 3,00,000/- excluding GST (in most of the cases)	Empanelment Fee - INR 3,00,000/- excluding GST (in most cases) The empanelment fee shall be payable through Demand draft in favour of CPRI, on invitation for test demonstration.
19.	Section 6 – AMI Prepaid Solution Demonstration Requirements "Technical Specification"	Communication Meter shall have the ability to communicate with Head End System (HES) on any one of the communication technologies mentioned in IS16444 Part 1 (RF/PLCC /Cellular) in a secure manner. In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any service provider. The meter shall log the removal of the plug-in type communication module removal /nonresponsive event with snapshot. However, common pluggable module is not a mandatory requirement.	Communication Meter shall have the ability to communicate with Head End System (HES) on any one of the communication technologies mentioned in IS16444 Part 1 (RF/PLCC /Cellular) in a secure manner. In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any service provider. The meter shall log the removal of the plug-in type communication module removal /nonresponsive event with snapshot.

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No.	Reference		
20.	Section 6 – AMI	1.12 Configuration, Functionality & Interface	The clause has been deleted.
	Prepaid Solution	Part – III	The clause has been defeted.
	Demonstration		
	Requirements	The following reference size may be adhered to	
	"Technical	irrespective of a single or multiple communication	
	Specification"	options provisioned on the same module. This standard	
		form factor and dimensions will enable physical and	
		functional interoperability with different makes of	
		meters.	