

Ref. No.: CC-CS/TWT/Amend-8

Date: 18.06.2022

<< TO ALL THE BIDDERS THROUGH PORTAL >>

Sub: Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

...Reg. Amendment No. 8 to the Bidding Documents

Dear Sir(s),

- 1.0 This has reference to the bidding documents for the subject package uploaded on Government e-Marketplace (GeM) Portal [GeM Bid No. GEM/2022/B/2006757 dated 08.03.2022] and subsequently issued Corrigendum/ Amendments /Clarifications.
- 2.0 **Amendment No. 8** to the bidding documents enclosed herewith are uploaded on the GeM Portal.
- 3.0 Save and Except for the changes brought-out in the above mentioned amendments, all other terms and conditions of the original bidding documents shall remain unaltered.

Thanking you,

For and On behalf of
Power Grid Corporation of India Limited

6/17/2022

X Aakash Khandelwal

Aakash Khandelwal
Manager (CS)
Signed by: AAKASH KHANDELWAL

Encl: As above

Amendment No.-8 dated 18.06.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
1.	Annexure-A (BDS), Vol-I of the Bidding Documents and Attachment-3 (QR), Vol-III of the Bidding Documents	<p><i>The Qualification Requirements for the subject package has been revised. On account of the same, the revised Annexure-A (BDS) is enclosed herewith as Annexure-A(BDS)_rev02 (replacing existing Annexure-A(BDS) uploaded with Amendment No 3 dated 20.05.2022 as 'Annexure-A(BDS)_rev01').</i></p> <p><i>Further, revised Attachment-3(QR) is enclosed herewith as Attachment-3 (QR)_rev02 (replacing existing Attachment-3 (QR) uploaded with Amendment No 3 dated 20.05.2022 as 'Attachment-3 (QR)_rev01').</i></p>	
2.	Volume II, Section 2, Clause 1 and Amendment No. 4 (Technical Part), Sr.No. 1	<p>1. Qualifying Requirement for Smart Meter Subcontractors</p> <p>The contractor may propose subcontractor(s) of Smart Meter during project implementation, to meet the timelines of the project. Each subcontractor shall meet following Qualification Requirement:</p> <p>1. The subcontractor must have manufactured and supplied at least one lakh (1,00,000) Nos. Automated Meter Reading (AMR) Meters@ or 50,000 Nos. of Smart Meters* cumulatively in last five (5) years and these must have been under operation for at least one (1) year as on the re-scheduled date of Bid Opening' i.e. 07/06/2022.</p> <p>2. A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by</p>	<p>1. Qualifying Requirement for Smart Meter Subcontractors</p> <p>The contractor may propose subcontractor(s) of Smart Meter during project implementation, to meet the timelines of the project. Each subcontractor shall meet following Qualification Requirement:</p> <p>(i) The subcontractor must have manufactured and supplied at least one lakh (1,00,000) Nos. Automated Meter Reading (AMR) Meters@ or 50,000 Nos. of Smart Meters* cumulatively in last five (5) years and these must have been under operation for at least one (1) year as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>Or</p> <p>Any meter manufacturer who does not satisfy aforementioned condition but satisfies conditions (a), (b) & (c) below, can also be eligible to supply smart meters. However, meters procured for this contract from this particular meter manufacturer, shall be limited to [25%][§] of</p>

Amendment No.-8 dated 18.06.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
		<p>such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>(@) Energy (kWh) Meter with Communication port (*) Smart Meters conforming to IS:16444 or equivalent International Standard</p>	<p>the total meters proposed to be implemented as part of this contract.</p> <p>Condition (a): Smart meters shall have all the valid test certificate (issued within the last 5 years) and BIS certificate, compliant to IS 16444 Part-1#</p> <p><i>Note: # At the time of supply of LT-CT operated Meters, the smart meters shall have all the valid test certificate and BIS Certificate, compliant to IS 16444 Part-2.</i></p> <p>Condition (b): Should have in-house NABL or ISO/ IEC -17025 accredited Laboratory</p> <p>Condition (c): Should have a valid ISO 9001:2015 certification</p> <p><u>Notes:</u></p> <p>(\$): Meter procurement from all such meter manufacturers, cumulatively, shall not exceed [25%] of the total meters proposed to be implemented as part of this contract.</p> <p>(ii) A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p>

Amendment No.-8 dated 18.06.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

Sl. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
			(@) Energy (kWh) Meter with Communication port (*) Smart Meters conforming to IS:16444 or equivalent International Standard
3.	Volume-II, Section-5, Clause 2	<p>The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS):</p> <p>Qualifying Requirement for HES Provider Head End System (HES) Provider must have experience of integration of at least 50,000 nos. Smart meters* (cumulatively) with its own HES in Indian/ Global Power Utility(ies) in the last 5 (five) years which are in operation for at least 1 (one) year as on the re-scheduled date of Bid Opening' i.e. 07/06/2022.</p> <p>Qualifying Requirement for MDMS Provider Meter Data Management System (MDMS) Provider must have experience of integrating its own MDMS with HES of at least 50,000 Smart meters* (cumulatively) in Indian/ Global Power Utility(ies) in last 5 (five) years which are in operation for at least 1(one) year as on the re-scheduled date of Bid Opening' i.e. 07/06/2022. N.B: (*) Smart Meters conforming to IS:16444 or equivalent International Standard</p>	<p>The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) solution provider, Meter Data Management System (MDMS) solution provider and RF Technology solution provider:</p> <p>(A) <u>Qualifying Requirement for HES Solution Provider</u></p> <p>(i) Should have experience of successfully integrating proposed solution with at least two (2) different MDMS/other utility IT Solution in Indian / Global Utility(ies) (power/water/natural gas/telecom) in last seven (7) years which are in operation for at least 1 (one) year as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>(ii) Certificate issued by Client shall be furnished as documentary evidence in support of qualifying requirement stipulated above.</p> <p>(B) <u>Qualifying Requirement for MDMS Solution Provider</u></p> <p>(i) Should have experience of integration of HES/MDMS etc. with at least two (2) billing/other utility IT Systems in Indian / Global Utility(ies) (power/water/natural gas/telecom) in last seven (7) years, in which the meters are in operation for at least one (1) year as on the re-</p>

Amendment No.-8 dated 18.06.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

Sl. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
			<p>scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>(ii) The proposed MDM solution should have been successfully integrated with at least two (2) nos. of different HES solutions in Indian / Global Utility(ies) (power/water/natural gas/telecom) in last seven (7) years which are in operation for at least 1(one) year as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>(iii) The proposed MDM solution should have been successfully integrated with at least 2 (two) nos. of different Billing Systems in Indian/ Global Utility(ies) (power/ water/ natural gas/ telecom) or with Billing/ Other IT systems of 2 (two) different Indian/ Global Utility(ies) in last 7 (seven) years which are in operation for at least 1(one) year as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>(iv) Should have valid ISO 9001:2015 certification</p> <p>(v) Should have CMMi (Capability Maturity Model Integration) Level 3 or IEC/ISO 27001 Certification (Software Development & Customization), as the requirement may be.</p> <p>(vi) Certificate issued by Client shall be furnished as documentary evidence in support of qualifying requirement stipulated above.</p> <p>(C) <u>Qualifying Requirement for RF Technology Solution Provider</u></p> <p>(i) Should have been in the communications network installation / maintenance services business for the last</p>

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SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
			<p>one (1) year in India as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>OR</p> <p>Should have been in the communications network installation / maintenance services business for the last three (3) years outside of India as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p> <p>(ii) Should have successfully integrated their NIC/Communication module with at least three (3) different makes of smart meters in India.</p> <p>(iii) The Proposed RF technology should have been implemented in project(s) with at least [50,000] (cumulatively) modules / endpoints involving Radio Frequency (RF) mesh in an Indian/ Global Utility (power/ water/ natural gas/ telecom) in the last seven (7) years which are in operation for at least one (1) year as on the re-scheduled date of 'Bid Opening' i.e. 06/07/2022</p>
4.	Volume II, Section 2, Clause 15, Appendix: Specification of Polycarbonate Seals, Sr. No. 13.0 TENDER SAMPLE	<p>13.0 TENDER SAMPLE</p> <p>Contractors are required to manufacture 05 sample seals of each colour as per the Utility/employer specification and submit (nonreturnable) the sample along with bid for approval. These samples to be submitted in Meter Testing Lab & intimated to Utility/employer. The tender sample seals shall be provided with trademark and logo of firm on front side & month and year of manufacturing on back side of the female part of the seal. The offer without samples</p>	DELETED

Amendment No.-8 dated 18.06.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
		shall be out rightly rejected and the offer shall not be considered. The samples seals shall be tested as per the specifications, either in Utility/employer’s laboratory or at third party govt approved laboratory, as per the discretion of Utility/employer. The tender sample seals not conforming to the specifications shall be straight war rejected and accordingly, their offer will not be considered for further evaluation.	

Annexure-A(BDS)_rev02 (Qualification Requirements)

Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India.
Spec. No.: RTN1001566/OTHERS/DOM/A02

QUALIFICATION OF THE BIDDER

Qualification of bidder will be based on meeting the minimum pass/fail criteria specified below regarding the Bidder's Technical Experience (Route-1 or Route-2 or Route-3 or Route-4), Manufacturing Facilities (as applicable), and Financial Position as demonstrated by the Bidder's responses in the corresponding Bid Schedules. The bid can be submitted by an individual firm or a Joint Venture of two or three firms (Specific requirements for Joint Ventures are given under Para 3.0 below).

The Employer may assess the capacity and capability of the bidder, to ascertain that the bidder can successfully execute the scope of work covered under the package within stipulated completion period. This assessment shall inter-alia include (i) document verification; (ii) bidders work / manufacturing facilities visit ; (iii) manufacturing capacity, details of works executed, works in hand, anticipated in future & the balance capacity available for the present scope of work; (iv) details of plant and machinery, manufacturing and testing facilities, manpower and financial resources; (v) details of quality systems in place; (vi) past experience and performance; (vii) customer feedback; (viii) banker's feedback etc.

POWERGRID reserves the right to waive minor deviations if they do not materially affect the capability of the Bidder to perform the contract.

1.0 Technical Experience

1.1 Route-1

1.1.1 In case of Bidder is a Smart Meter Manufacturer, then Bidder shall meet following requirement:

The Bidder must have manufactured, supplied and installed at least one lakh (1,00,000) Nos. of **Energy (kWh) Meters with Automated Meter Reading (AMR)@ facility** or at least fifty thousand (50,000) Nos. of **Smart Meters* for Advanced Metering Infrastructure (AMI)**** cumulatively in last five (5) years and these must have been integrated in the system of any Indian or Global Power Utility(ies) and must have been under operation[#] for at least one (1) year as on re-scheduled date of Bid Opening' i.e. **06/07/2022**.

1.1.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section-5 of Technical Specification.

1.1.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s), shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

1.2 Route-2

1.2.1 The Bidder, who has established manufacturing facility in India for Smart Meters* based on the technological support of the collaborator(s), but not meeting the requirement stipulated in para 1.1 above on his own, shall also be considered provided that:

The Bidder must have manufactured, supplied and installed at least twenty five thousand (25,000) Nos. of **Energy (kWh) Meters with Automated Meter Reading (AMR)[@] facility** or at least Twelve thousand five hundred (12,500) Nos. of **Smart Meters* for Advanced Metering Infrastructure (AMI)**** cumulatively in last five (5) years and these must have been integrated in the system of any Indian or Global Power Utility(ies) and must have been under operation[#] for at least one (1) year as on the re-scheduled date of Bid Opening' i.e. **06/07/2022**.

- 1.2.2 The Collaborator of the Bidder shall meet the requirement stipulated in para 1.1. Further, the bidder shall also submit the following along with the bid:
- a) A legally enforceable undertaking (jointly with the Collaborator) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment.
 - b) A confirmation letter from the Collaborator stating that Collaborator shall furnish performance guarantee for an amount of 5 % of the cost of such equipment/services. This performance guarantee shall be in addition to Contract Performance Guarantee to be submitted by the bidder.
 - c) A valid collaboration agreement for technology transfer / license to design, manufacture and supply Smart Meter* in India.
- 1.2.3 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section-5 of Technical Specification.
- 1.2.4 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

1.3 Route-3

- 1.3.1 In case Bidder is an Engineering, Procurement and Construction (EPC) firm or a Developer in Power / Water / Natural Gas / Telecom sector, then the bidder must have received payments for, or paid for construction of completed **project(s)^** with aggregate project value of not less than Rs. 1204.64 Cr. during last seven (7) years as on the rescheduled date of bid opening mentioned above.
- 1.3.2 The bidder's Sub-Contractor(s) for Smart Meter, shall meet criteria given at Para 1.1 or 1.2 above, individually and Manufacturing Facilities criteria given at Para 2.0 below, collectively.
- Or
- In case, the bidder on its own meets the installation and integration criteria given at Para 1.1 above, then its Sub-Contractor(s) for Smart Meter, shall only be required to meet the manufacturing and supply criteria given at Para 1.1 or 1.2 above, individually and Manufacturing Facilities criteria given at Para 2.0 below, collectively.
- 1.3.3 The bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section-5 of Technical Specification.
- 1.3.4 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the

Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

1.4 Route-4

1.4.1 In case Bidder is a System Integrator firm, then bidder shall meet the following requirement:

The System Integrator firm must have integrated at least fifty thousand (50,000) Nos. of **Smart Meters*** cumulatively in last five (5) years with Head End System (HES) and Meter Data Management System (MDMS) in the system of any Indian or Global Power Utility(ies) and the same must have been in operation[#] for at least one (1) year as on the rescheduled date of bid opening mentioned above.

1.4.2 The bidder's Sub-Contractor(s) for Smart Meter, shall meet criteria given at Para 1.1 or 1.2 above, individually and Manufacturing Facilities criteria given at Para 2.0 below, collectively.

Or

In case, the bidder on its own meets the installation and integration criteria given at Para 1.1 above, then its Sub-Contractor(s) for Smart Meter, shall only be required to meet the manufacturing and supply criteria given at Para 1.1 or 1.2 above, individually and Manufacturing Facilities criteria given at Para 2.0 below, collectively.

1.4.3 The System Integrator firm on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

1.4.4 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

Notes:

1. (@): Energy (kWh) Meter with Communication port
2. (#) Bidder shall submit certificate issued by Utility/Employer, certifying the operation without any adverse remark
3. (*): Smart Meters conforming to IS:16444 or equivalent International Standard
4. (^): For the purpose of this clause, project(s) in the :
 - i) power sector shall mean projects relating to generation or transmission or distribution of electricity
 - ii) water sector shall mean projects relating to water treatment including desalination or water supply (rural or urban) or wastewater / sewerage or drainage or water pipelines
 - iii) natural gas sector shall mean projects relating to natural gas transmission or distribution; and
 - iv) telecom sector shall mean projects relating to infrastructure cabling or communication systems

for setting up Wide Area Network (WAN) or Local Area Network (LAN) or Internet Services or VOIP solutions, etc

5. (**): AMI means metering infrastructure comprising of Smart Meters, Communication Network and integration with Control Centre Hardware & Software

2.0 Manufacturing Facilities

2.1 The Bidder who is qualifying through para 1.1 or para 1.2 above must have its own manufacturing facility in India for **Smart Meters*** having minimum manufacturing capacity[^] of [15 Lacs] meters per annum as on the rescheduled date of bid opening mentioned above.

Notes-

1. (^) : Bidder shall submit certificate from Chartered Accountant certifying the manufacturing capacity
2. (*) : Smart Meters conforming to IS:16444 or equivalent International Standard

3.0 JOINT VENTURE BIDS:

3.1 A bid can be submitted by a Joint Venture (JV) of two firms or three firms as partners wherein financial position requirement for the JV Partners shall be as under:

- (i) All the partners of JV shall meet individually Financial Position criteria given at Para 4.0 (a) below.
- (ii) The lead partner must meet not less than 40% of the Financial Position criteria given at Para 4.0 (b) and 4.0 (c) below.
- (iii) Each of the other partner(s) must meet not less than 25 % of the Financial Position criteria given at Para 4.0 (b) and 4.0 (c) below.
- (iv) The joint venture must collectively meet the criteria given at para 4.0(b) and 4.0 (c) below for which purpose the relevant figure of Financial Position (Para 4.0 (b) and 4.0 (c)) for each of the partners of the JV shall be added together.

3.2 Further, any one of the following combinations of partner(s) shall only be permitted for Joint Venture (JV) bids:

3.2.1 JV of Two or Three Smart Meter Manufacturers

3.2.1.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) All the partners must individually meet the Technical Experience criteria given at Para 1.1 or Para 1.2 above.
- (ii) The Lead partner shall meet not less than 50% of Manufacturing Facilities criteria at Para (2.0) above.
- (iii) Each of the other partner(s) shall meet not less than 25% of Manufacturing Facilities criteria at Para (2.0) above.
- (iv) All JV partners shall collectively meet 100% of Manufacturing Facilities criteria at Para (2.0) above.

3.2.1.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section-5 of Technical Specification.

3.2.1.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &

Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

3.2.2 JV of one EPC firm/Developer and one/two Smart Meter Manufacturer(s)

3.2.2.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) EPC firm/ Developer partner must meet the Technical Experience criteria given at Para 1.3.1, above.
- (ii) All Smart Meter Manufacturer partner(s) shall individually meet the Technical Experience criteria given at Para 1.1 or Para 1.2 above.
- (iii) In case Smart Meter Manufacturer is lead partner, then such partner shall meet not less than 50% of Manufacturing Facilities criteria given at Para (2.0) above.
- (iv) In case Smart Meter Manufacturer is other than the lead partner, then such partner shall meet not less than 25% of Manufacturing Facilities criteria given at Para (2.0) above.
- (v) All Smart Meter Manufacturer partner(s) shall collectively meet 100% of Manufacturing Facilities criteria given at Para (2.0) above.

3.2.2.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section-5 of Technical Specification.

3.2.2.3 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

3.2.3 JV of one System Integrator firm and one/two Smart Meter Manufacturer(s)

3.2.3.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) System Integrator partner must meet the Technical Experience criteria given at Para 1.4.1 above.
- (ii) All Smart Meter Manufacturer partner(s) shall individually meet the Technical Experience criteria given at Para 1.1 or Para 1.2 above.
- (iii) In case Smart Meter Manufacturer is lead partner, then such partner shall meet not less than 50% of Manufacturing Facilities criteria given at Para (2.0) above.
- (iv) In case Smart Meter Manufacturer is other than the lead partner, then such partner shall meet not less than 25% of Manufacturing Facilities criteria given at Para (2.0) above.
- (v) All Smart Meter Manufacturer partner(s) shall collectively meet 100% of Manufacturing Facilities criteria given at Para (2.0) above.

3.2.3.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as Clause 2 of Section- 5 of Technical Specification.

3.2.3.3 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

3.2.4 **JV of one EPC firm/Developer and one System Integrator firm**

3.2.4.1 Technical Experience Requirement for the JV Partners shall be as under:

- (i) EPC Firm/Developer partner must meet the Technical Experience criteria given at Para 1.3.1 above.
- (ii) System Integrator partner must meet the Technical Experience criteria given at Para 1.4.1 above.

3.2.4.2 The bidder’s Sub-Contractor(s) for Smart Meter, shall meet criteria given at Para 1.1 or 1.2 above, individually and Manufacturing Facilities criteria given at Para 2.0 above, collectively.

Or

In case, the bidder on its own meets the installation and integration criteria given at Para 1.1 above, then its Sub-Contractor(s) for Smart Meter, shall only be required to meet the manufacturing and supply criteria given at Para 1.1 or 1.2 above, individually and Manufacturing Facilities criteria given at Para 2.0 above, collectively.

3.2.4.3 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

3.2.4.4 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

3.2.5 **JV of one EPC firm/Developer, one System Integrator firm and one Smart Meter Manufacturer**

3.2.5.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) EPC firm/Developer must meet the Technical Experience criteria given at Para 1.3.1 above.
- (ii) System Integrator partner must meet the Technical Experience criteria given at Para 1.4.1 above.
- (iii) Smart Meter Manufacturer partner must meet the Technical Experience criteria given at Para 1.1 or Para 1.2 above.
- (iv) Smart Meter Manufacturer partner must meet Manufacturing Facilities criteria given at Para (2.0) above.

3.2.5.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section-5 of Technical Specification.

3.2.5.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

4.0 FINANCIAL POSITION:

For the purpose of this particular bid, bidders shall meet the following minimum criteria:

- a) Net Worth of the bidder for last 3 financial years should be positive
 - b) Minimum Average Annual Turnover[^](MAAT) of the bidder for best three years out of last five financial years of the bidder should be Rs. 722.78 Cr. or equivalent.
- [^]Note- "Annual gross revenue from operations/gross operating income as incorporated in the profit & loss account excluding other operative income/other income".
- c) Bidder shall have Liquid Assets (LA) and/or evidence of access to or availability of credit facilities of not less than Rs. 230.59 Cr. or equivalent.

Notes:

(i) In case bidder yet to complete three (3) financial years, the Net Worth and average of the turnover as per financial statement for completed financial years shall be considered for the purpose of compliance to the specified Net Worth and MAAT requirements.

(ii) Relaxation for Start-Ups[^]/ MSEs

Start-Ups[^]/ MSEs, meeting the specified requirements at Para 4.0 (a) above in Financial Position shall also be considered qualified if they meet Eighty (80) % of the requirement specified at Para 4.0 (b) & 4.0 (c) above in Financial Position.

[^] Start-Ups as defined by DPIIT, applicable as on the rescheduled date of bid opening.

5.0 NOTES FOR CLAUSE 1.0, 3.0 & 4.0

(i) The Bidder may seek qualification on the basis of technical and financial capability of its Parent(s) and/or its Affiliate(s)* for the purpose of meeting the qualification requirements. In such an event, the Bidder would be required to furnish along with the bid a Letter of Undertaking from the Parent/Affiliate*, as the case may be, supported by the Parent/Affiliate's* Board Resolution, as per the format enclosed in the bidding documents.

The technical and financial capability of a particular entity, including its Parent(s) and/or its Affiliate(s)*, shall not be used by more than one Entity. The determination of the relationship of Parent(s) and/or Affiliate(s)* with the Bidder shall be on the date 7 (seven) Days prior to the rescheduled date of bid opening. Documentary evidence to establish such relationship shall be furnished by the Bidder along with the Technical Bid.

The Bidder shall have to provide information and documents relating to its relationship with such Parent/Affiliate* including details about the equity shareholding between them as per the format attached along with the bidding documents.

The Qualified Bidder(s) will be required to continue to maintain compliance with the Qualification Requirements throughout the bidding process and till execution of the Contract. Failure to comply with the aforesaid provisions shall make the Bid liable for rejection at any stage.

* "Parent(s)" shall mean a company that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidder, as the case may be;

"Affiliate" shall mean a company that either directly or indirectly: controls or is controlled by or is under common control with a Bidder and "control" mean ownership by one company of 26% of the voting rights of the other company, as the case may be.

6.0 The bidder shall furnish documentary evidence in support of the qualifying requirement stipulated as above. For the Developer, documentary evidence in the form of auditor certificate certifying payment made towards the development of the completed project(s) shall be required to be furnished. In case bidder is a distribution/transmission licensee, self-certification of works on basis of Board-Resolution shall be accepted

Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India.

Bidder's Name and Address:
(Details to be filled)

To,

Power Grid Corporation of India Limited,
'Saudamini', 3rd Floor, Plot No.-2,
Sector-29, Gurgaon (Haryana) – 122001

Dear Ladies and/or Gentlemen,

In support of the Qualification Requirements (QR) for bidders, stipulated in Annexure-A (BDS) of the Section - III (BDS), Volume-I & additional information required as per ITB clause 9.3(c) of the Bidding Documents, we furnish herewith our QR data/details/documents etc., along with other information, as follows (The QR stipulations have been reproduced in italics for ready reference, however, in case of any discrepancy the QR as given in BDS shall prevail).

*We have submitted bid as

- An **individual firm** meeting the specified requirements given in 1.0 of Annexure-A(BDS) under one of the following Route*:

Route-1
Route-2
Route-3
Route-4

(* Strikethrough whichever Route is not applicable)

- A **Joint Venture Bids** meeting the specified requirements given in 3.0 of Annexure-A(BDS) as one of the following combinations* of JV Partner:

JV of Two or Three Smart Meter Manufacturers
JV of one EPC firm/Developer and one/two Smart Meter Manufacturer(s)
JV of one System Integrator firm and one/two Smart Meter Manufacturer(s)
JV of one EPC firm/Developer and one System Integrator firm
JV of one EPC firm/Developer, one System Integrator firm and one Smart Meter Manufacturer

(* Strikethrough whichever Combination is not applicable)

Name of Partners of Joint Venture (JV) as below:

- (a) (The Lead Partner)
- (b) (The Other Partner)
- (c) (The Other Partner)

[For details regarding Qualification Requirements of a Joint Venture, please refer para 4.0 below.]

In accordance with the Qualifying Requirements specified in Annexure – A (BDS) (*also reproduced herein below wherever necessary*), we are furnishing the following details/document in support of Qualifying requirement for the subject package.

- A. Attached copies of original documents defining:
- a) The constitution or legal status;
 - b) The principal place of business;
 - c) The place of incorporation (for bidders who are corporations); or the place of registration and the nationality of the Owners (for applicants who are partnerships or individually-owned firms).
- B. Attached original & copies of the following documents.
- a) Written power of attorney of the signatory of the Bid to commit the bidder.
 - b)** Joint Venture Agreement

*[** To be submitted only in case of Joint Ventures. Strike off in case of individual firms.]*

1.0 GENERAL INFORMATION

Bidder is required to provide general information as per the following format.

[Where the Bidder proposes to use named subcontractor(s) for critical components of the works or for work contents in excess of ten (10) percent of the bid price, the following information should also be supplied for the subcontractor(s)].

Sl. No.	Particulars	Details of the Firms		
		Individual Bidder/ Lead Partner	In case of Joint Venture	
			For Other Partner(s)	For Other Partner(s)
1.	Name of the Firm			
2.	Head Office/ Registered Office Address			
3.	Telephone			
4.	Fax			
5.	Contact Person			
6.	Place of Incorporation/ Registration			
7.	Year of Incorporation/ Registration			
8.	Nationality of			
	Owner (i)			
	Owner (ii)			
	Owner (iii)			

[Necessary documents to establish legal status of the bidder (all the partners in case of Joint Venture) should be enclosed with the bid].

2.0 TECHNICAL EXPERIENCE

[Reference para 1.0 of Annexure-A (BDS), Vol.-I]

2.1 Route-1

2.1.1 In case of Bidder is a Smart Meter Manufacturer, then Bidder shall meet following requirement:

The Bidder must have manufactured, supplied and installed at least one lakh (1,00,000) Nos. of Energy (kWh) Meters with Automated Meter Reading (AMR)@ facility or at least fifty thousand (50,000) Nos. of Smart Meters for Advanced Metering Infrastructure (AMI)** cumulatively in last five (5) years and these must have been integrated in the system of any Indian or Global Power Utility(ies) and must have been under operation# for at least one (1) year as on re-scheduled date of Bid Opening' i.e. 06/07/2022.*

2.1.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

2.1.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s), shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

2.2 Route-2

2.2.1 The Bidder, who has established manufacturing facility in India for Smart Meters* based on the technological support of the collaborator(s), but not meeting the requirement stipulated in para 2.1 above on his own, shall also be considered provided that:

The Bidder must have manufactured, supplied and installed at least twenty five thousand (25,000) Nos. of Energy (kWh) Meters with Automated Meter Reading (AMR)@ facility or at least Twelve thousand five hundred (12,500) Nos. of Smart Meters for Advanced Metering Infrastructure (AMI)** cumulatively in last five (5) years and these must have been integrated in the system of any Indian or Global Power Utility(ies) and must have been under operation# for at least one (1) year as on the re-scheduled date of Bid Opening' i.e. 06/07/2022.*

2.2.2 The Collaborator of the Bidder shall meet the requirement stipulated in para 2.1. Further, the bidder shall also submit the following along with the bid:

- a) A legally enforceable undertaking (jointly with the Collaborator) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment.
- b) A confirmation letter from the Collaborator stating that Collaborator shall furnish performance guarantee for an amount of 5 % of the cost of such equipment/services. This performance guarantee shall be in addition to Contract Performance Guarantee to be submitted by the bidder.
- c) A valid collaboration agreement for technology transfer / license to design, manufacture and

supply Smart Meter* in India.

2.2.3 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

2.2.4 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

2.3 Route-3

2.3.1 In case Bidder is an Engineering, Procurement and Construction (EPC) firm or a Developer in Power / Water / Natural Gas / Telecom sector, then the bidder must have received payments for, or paid for construction of completed project(s)^ with aggregate project value of not less than Rs. 1204.64 Cr. during last seven (7) years as on the rescheduled date of bid opening mentioned above.

2.3.2 The bidder’s Sub-Contractor(s) for Smart Meter, shall meet criteria given at Para 2.1 or 2.2 above, individually and Manufacturing Facilities criteria given at Para 3.0 below, collectively.

Or

In case, the bidder on its own meets the installation and integration criteria given at Para 1.1 above, then its Sub-Contractor(s) for Smart Meter, shall only be required to meet the manufacturing and supply criteria given at Para 2.1 or 2.2 above, individually and Manufacturing Facilities criteria given at Para 3.0 below, collectively.

2.3.3 The bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

2.3.4 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

2.4 Route-4

2.4.1 In case Bidder is a System Integrator firm, then bidder shall meet the following requirement:

The System Integrator firm must have integrated at least fifty thousand (50,000) Nos. of Smart Meters* cumulatively in last five (5) years with Head End System (HES) and Meter Data Management System (MDMS) in the system of any Indian or Global Power Utility(ies) and the same must have been in operation# for at least one (1) year as on the rescheduled date of bid opening mentioned above.

2.4.2 The bidder’s Sub-Contractor(s) for Smart Meter, shall meet criteria given at Para 2.1 or 2.2 above, individually and Manufacturing Facilities criteria given at Para 3.0 below, collectively.

Or

In case, the bidder on its own meets the installation and integration criteria given at Para 1.1 above, then its Sub-Contractor(s) for Smart Meter, shall only be required to meet the manufacturing and supply criteria given at Para 2.1 or 2.2 above, individually and Manufacturing Facilities criteria given at Para 3.0 below, collectively.

- 2.4.3 *The System Integrator firm on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.*
- 2.4.4 *A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.*

Notes:

1. (@): Energy (kWh) Meter with Communication port
 2. (#) Bidder shall submit certificate issued by Utility/Employer, certifying the operation without any adverse remark
 3. (*): Smart Meters conforming to IS:16444 or equivalent International Standard
 4. (^): For the purpose of this clause, project(s) in the :
 - i) power sector shall mean projects relating to generation or transmission or distribution of electricity
 - ii) water sector shall mean projects relating to water treatment including desalination or water supply (rural or urban) or wastewater / sewerage or drainage or water pipelines
 - iii) natural gas sector shall mean projects relating to natural gas transmission or distribution; and
 - iv) telecom sector shall mean projects relating to infrastructure cabling or communication systems for setting up Wide Area Network (WAN) or Local Area Network (LAN) or Internet Services or VOIP solutions, etc
 5. (**): AMI means metering infrastructure comprising of Smart Meters, Communication Network and integration with Control Centre Hardware & Software
- 2.5 On a separate page, using the following format, each Bidder (individual firms or partners of a joint venture) is requested to list the contracts of a nature similar to the proposed contract(s) for which the Bidder wishes to qualify, undertaken during the last Five (05) years. The information is to be summarized for each such contract separately. *(In case of Joint Venture bidder, the information/details pertaining to each partners of the joint venture are to be furnished).*

(The bidder shall attach documentary evidence, such as copies of utility certificates etc., in support of its general experience as listed in the following proforma for each experience/ Contract just below it)

Format A: Format for submitting qualification credentials of Bidder (*individual firm or partner of a joint venture*) / Collaborator of the Bidder/Sub-Contractor(s) / Sub-Contractor(s) for Smart Meter/ Parent(s) and/or Affiliate(s) of the Bidder, in support of meeting the requirement of para 1.1.1, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents

1.	Name of Bidder (<i>individual firm or partner of JV</i>)/Collaborator/Sub-Contractor/ Parent of the Bidder / Affiliate of the Bidder:	
2.	Name of Contract Undertaken	.....
3.	Contract Reference No. & Date of Award	.....
4.	Name and Address of the Employer/Utility for whom the Contract was executed by the firm/Partner of a JV e-mail ID Telephone No. Fax No.	_____ _____ _____
4.1	Date of completion of the above Contract	_____ (dd/mm/yyyy)
5.	Scope of work (<i>in respect of Meters</i>) executed under above mentioned Contract (<i>as per para 2.1.1 above</i>) (Tick only whichever is/are applicable)	<input type="checkbox"/> Manufacture <input type="checkbox"/> Supply <input type="checkbox"/> Installation
	Type of Meters covered in the scope of work (Tick only whichever is/are applicable)	<input type="checkbox"/> Energy (kWh) Meters with Automated Meter Reading (AMR)@ facility <input type="checkbox"/> Smart Meters* for Advanced Metering Infrastructure (AMI)** (@): Energy (kWh) Meter with Communication port (*) : Smart Meters conforming to IS:16444 or equivalent International Standard (**): AMI means metering infrastructure comprising of Smart Meters, Communication Network and integration with Control Centre Hardware & Software
	No. of Meters installed in last five (5) years, which have been integrated in the system of any Indian or Global Power Utility(ies) under above mentioned Contract	.....Nos.

	Name of the Indian or Global Utility(ies) on whose system the Meters have been integrated	
	No. of years, the above meters under above mentioned Contract have been under operation as on the date mentioned in the Annexure-A(BDS)	
	Details of certificate issued by Utility/Employer for above Contract, certifying the operation without any adverse remark.	
6.	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	

(Use separate sheet for each experience/ Contract)

Format B: Format for submitting qualification credentials of Bidder (individual firm or partner of a joint venture) / Sub-Contractor(s) for Smart Meter/ Parent(s) and/or Affiliate(s) of the Bidder, in support of meeting the requirement of para 1.2.1, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents

1.	Name of Bidder (<i>individual firm or partner of JV</i>) / Sub-Contractor/ Parent of the Bidder / Affiliate of the Bidder:	
2.	Whether Bidder (<i>individual firm or partner of a joint venture</i>) / Sub-Contractor / Parent of the Bidder/ Affiliate of the Bidder has established manufacturing facility in India for Smart Meters* based on the technological support of the collaborator(s)? (Yes/No) <i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i>	
3.	Name of the Collaborator on whose technological support manufacturing facility mentioned at sl no 2 above has been established:	
4.	Name of Contract Undertaken by the Bidder (<i>individual firm or partner of JV</i>) / Collaborator/ Sub-Contractor/ Parent of the Bidder / Affiliate of the Bidder	.....
5.	Contract Reference No. & Date of Award	.....

6.	Name and Address of the Employer/Utility for whom the Contract was executed by the firm/Partner of a JV e-mail ID _____ Telephone No. _____ Fax No. _____	_____ _____ _____
6.1	Date of completion of the above Contract	_____ (dd/mm/yyyy)
7.	Scope of work (<i>in respect of Meters</i>) executed under above mentioned Contract (<i>as per para 2.2.1 above</i>) (Tick only whichever is/are applicable)	<input type="checkbox"/> Manufacture <input type="checkbox"/> Supply <input type="checkbox"/> Installation
	Type of Meters covered in the scope of work (Tick only whichever is/are applicable)	<input type="checkbox"/> Energy (kWh) Meters with Automated Meter Reading (AMR)@ facility <input type="checkbox"/> Smart Meters* for Advanced Metering Infrastructure (AMI)** (@): Energy (kWh) Meter with Communication port (*) : Smart Meters conforming to IS:16444 or equivalent International Standard (**): AMI means metering infrastructure comprising of Smart Meters, Communication Network and integration with Control Centre Hardware & Software
	No. of Meters installed in last five (5) years, which have been integrated in the system of any Indian or Global Power Utility(ies) under above mentioned Contract	.....Nos.
	Name of the Indian or Global Utility(ies) on whose system the Meters have been integrated	
	No. of years, the above meters under above mentioned Contract have been under operation as on the date mentioned in the Annexure-A(BDS)	
	Details of certificate issued by Utility/Employer for above Contract, certifying the operation without any adverse remark.	

8.	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	
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(Use separate sheet for each experience/ Contract)

Format C: Format for submitting qualification credentials of Bidder (individual firm or partner of a joint venture) / Parent(s) and/or Affiliate(s) of the Bidder, in support of meeting the requirement of para 1.3.1, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents

1.	Name of Bidder (<i>individual firm or partner of JV</i>) / Parent of the Bidder / Affiliate of the Bidder:	
2.	Whether above named Bidder (<i>individual firm or partner of a joint venture</i>) / Parent of the Bidder/ Affiliate of the Bidder is an Engineering, Procurement and Construction (EPC) firm or a Developer in Power / Water / Natural Gas / Telecom sector (Tick only whichever is/are applicable)	<input type="checkbox"/> Engineering, Procurement and Construction (EPC) firm <input type="checkbox"/> Developer
3.	Sector in which Bidder (<i>individual firm or partner of a joint venture</i>) / Parent of the Bidder/ Affiliate of the Bidder is an EPC firm or a Developer (Tick only whichever is/are applicable)	<input type="checkbox"/> Power Sector <input type="checkbox"/> Water Sector <input type="checkbox"/> Natural Gas Sector <input type="checkbox"/> Telecom sector
4.	Whether the bidder have received payments for, or paid for construction of completed project(s)^ during last 7 years	<input type="checkbox"/> Received Payments <input type="checkbox"/> Paid
5.	Name and Project Value of the completed project(s) ^ during last 7 years	
5.1.1	Name of Project-1	
5.1.2	Cost of Project-1 (in Rs. Crore)	Rs. Crore
5.1.3	Contract Reference No. & Date of Award	.....
5.1.4	Name and Address of the Employer/Utility for whom the Contract was executed by the firm or Contractor(s) who has executed the Contract or the firm e-mail ID Telephone No. Fax No.	<hr/> <hr/> <hr/>

5.1.5	Date of completion of the above Contract for Project-1	_____ (dd/mm/yyyy)
5.2.1	Name of Project-2	
5.2.2	Cost of Project-2 (in Rs. Crore)	Rs. Crore
5.2.3	Contract Reference No. & Date of Award	.....
5.2.4	Name and Address of the Employer/Utility for whom the Contract was executed by the firm or Contractor(s) who has executed the Contract or the firm e-mail ID _____ Telephone No. _____ Fax No. _____	
5.2.5	Date of completion of the above Contract for Project-2	_____ (dd/mm/yyyy)
5.3.1	Name of Project-3	
5.3.2	Cost of Project-3 (in Rs. Crore)	Rs. Crore
5.3.3	Contract Reference No. & Date of Award	.....
5.3.4	Name and Address of the Employer/Utility for whom the Contract was executed by the firm or Contractor(s) who has executed the Contract or the firm e-mail ID _____ Telephone No. _____ Fax No. _____	
5.3.5	Date of completion of the above Contract for Project-3	_____ (dd/mm/yyyy)
5.4.1	Name of Project-4	
5.4.2	Cost of Project-4 (in Rs. Crore)	Rs. Crore
5.4.3	Contract Reference No. & Date of Award	.....
5.4.4	Name and Address of the Employer/Utility for whom the Contract was executed by the firm or Contractor(s) who has executed the Contract or the firm e-mail ID _____ Telephone No. _____ Fax No. _____	
5.4.5	Date of completion of the above Contract for Project-4	_____

		(dd/mm/yyyy)
6.	<p>Aggregate project value of the completed project(s) ^ (in Rs. Crore) during last 7 years as on the date mentioned in the Annexure-A(BDS)</p> <p>(^): For the purpose of this clause, project(s) in the :</p> <p>v) power sector shall mean projects relating to generation or transmission or distribution of electricity</p> <p>vi) water sector shall mean projects relating to water treatment including desalination or water supply (rural or urban) or wastewater / sewerage or drainage or water pipelines</p> <p>vii) natural gas sector shall mean projects relating to natural gas transmission or distribution; and</p> <p>viii) telecom sector shall mean projects relating to infrastructure cabling or communication systems for setting up Wide Area Network (WAN) or Local Area Network (LAN) or Internet Services or VOIP solutions, etc</p>	Rs. Crore
7.	<p>For the Developer, documentary evidence in the form of auditor certificate certifying payment made towards the development of the completed project(s) shall be required to be furnished. In case bidder is a distribution/transmission licensee, self-certification of works on basis of Board-Resolution shall be accepted.</p> <p>Whether above documents are furnished in the bid (Yes / No)</p>	.....
8.	<p>Details of documents furnished in the Bid, in support of the aforesaid data/details/information</p>	

Format D: Format for submitting qualification credentials of Bidder (*individual firm or partner of a joint venture*) / Parent(s) and/or Affiliate(s) of the Bidder, in support of meeting the requirement of para 1.4.1, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents

1.	Name of Bidder (<i>individual firm or partner of JV</i>) / Parent of the Bidder / Affiliate of the Bidder:	
2.	Name of Contract Undertaken	.....
3.	Contract Reference No. & Date of Award	.....
4.	Name and Address of the Employer/Utility for whom the Contract was executed by the firm/Partner of a JV e-mail ID _____ Telephone No. _____ Fax No. _____	
4.1	Date of completion of the above Contract	_____ (dd/mm/yyyy)
5.	No. of Smart Meters* integrated in last five (5) years with Head End System (HES) and Meter Data Management System (MDMS) in the system of any Indian or Global Power Utility(ies) (*): <i>Smart Meters conforming to IS:16444 or equivalent International Standard</i>	.....Nos.
	Name of the Indian or Global Utility(ies) on whose system the Meters have been integrated	
	No. of years, the above meters under above mentioned Contract have been under operation as on the date mentioned in the Annexure-A(BDS)	
	Details of certificate issued by Utility/Employer for above Contract, certifying the operation without any adverse remark.	
6.	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	

(Use separate sheet for each experience/ Contract)

Format E: Format for submitting qualification credentials of Bidder (*individual firm or partner of a joint venture*) / Sub-Contractor(s), in support of meeting the qualifying requirement of para 1.1.2/ 1.2.3/ 1.3.3/ 1.4.3/ 3.2.1.2/ 3.2.2.2/ 3.2.3.2/ 3.2.4.3/ 3.2.5.2, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents for HES

1.	Name of Head End System (HES) solution Provider [Bidder (<i>individual firm or partner of JV</i>)/ Sub-Contractor]:	
2.	Whether Head End System (HES) solution Provider has experience of successfully integrating proposed solution with at least two (2) different MDMS/other utility IT Solution in Indian / Global Utility(ies) (power/water/natural gas/telecom) in last seven (7) years which are in operation for at least 1 (one) year as on the re-scheduled date of 'Bid Opening' (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.1.1	Name of MDMS/other utility IT Solution – 1 in which Head End System (HES) Provider has successfully integrated proposed solution	
2.1.2	Name of Indian / Global Utility(ies) (power/water/natural gas/telecom)	
2.1.3	Date of successful integration of proposed solution with the above MDMS/other utility IT Solution	_____ (dd/mm/yyyy)
2.1.4	No. of years of operation as on the date mentioned in Clause 2 of Section- 5 of Technical Specification	
2.2.1	Name of MDMS/other utility IT Solution – 2 in which Head End System (HES) Provider has successfully integrated proposed solution	
2.2.2	Name of Indian / Global Utility(ies) (power/water/natural gas/telecom)	
2.2.3	Date of successful integration of proposed solution with the above MDMS/other utility IT Solution	_____ (dd/mm/yyyy)

3.	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	
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Format F: Format for submitting qualification credentials of Bidder (*individual firm or partner of a joint venture*) / Sub-Contractor(s), in support of meeting the qualifying requirement of para 1.1.2/ 1.2.3/ 1.3.3/ 1.4.3/ 3.2.1.2/ 3.2.2.2/ 3.2.3.2/ 3.2.4.3/ 3.2.5.2, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents for MDMS

1.	Name of Meter Data Management System (MDMS) solution Provider [Bidder (<i>individual firm or partner of JV</i>)/ Sub-Contractor]:	
2.	Whether Meter Data Management System (MDMS) solution Provider has experience of integration of HES/MDMS etc. with at least two (2) billing/other utility IT Systems in Indian / Global Utility(ies) (power/water/natural gas/telecom) in last seven (7) years, in which the meters are in operation for at least one (1) year as on the re-scheduled date of 'Bid Opening'. (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.1	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	
3.	Whether the proposed MDM solution has been successfully integrated with at least two (2) nos. of different HES solutions in Indian / Global Utility(ies) (power/water/natural gas/telecom) in last seven (7) years which are in operation for at least 1(one) year as on the re-scheduled date of 'Bid Opening'. (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.1	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	
4.	Whether the proposed MDM solution has been successfully integrated with at least 2 (two) nos. of different Billing Systems in Indian/ Global Utility(ies) (power/ water/ natural gas/ telecom) or with Billing/ Other IT systems of 2 (two) different Indian/ Global Utility(ies) in last 7 (seven) years which are in operation for at least 1(one) year as on the re-scheduled date	<input type="checkbox"/> Yes <input type="checkbox"/> No

	of 'Bid Opening'. (Tick only whichever is/are applicable)	
4.1	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	
5.	Whether Meter Data Management System (MDMS) solution Provider has valid ISO 9001:2015 certification (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.1	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	
6.	Whether Meter Data Management System (MDMS) solution Provider has CMMi (Capability Maturity Model Integration) Level 3 or IEC/ISO 27001 Certification (Software Development & Customization), as the requirement may be. (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.1	Details of documents furnished in the Bid, in support of the aforesaid data/details/information	

Format G: Format in support of meeting the requirement of para 1.1 (Route-1) of Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents):

1.	Whether Bidder is a Smart Meter Manufacturer (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Address of Smart Meter Manufacturing Facility	.....
3.	Whether Bidder proposed to qualify requirement stipulated at clause 1.1.1 of Annexure(A) BDS on its own or through technical credentials of its Parent(s) and/or its Affiliate(s)	<input type="checkbox"/> Bidder <input type="checkbox"/> Parent(s) and/or its Affiliate(s)
3.1	Name of Parent/ Affiliate in case Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)	.....

3.2	<p>Whether Format-K has been filled</p> <p>[Applicable in case where Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)]</p> <p>(Tick only whichever is/are applicable)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	<p>Whether Format-A for submitting qualification credentials in support of meeting the requirement of para 1.1.1, Annexure-A to BDS, has been filled?</p> <p>(Tick only whichever is/are applicable)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	<p>Whether Format-E for submitting qualification credentials in support of meeting the requirement of para 1.1.2, Annexure-A to BDS for HES, has been filled?</p> <p>(Tick only whichever is/are applicable)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	<p>Whether Format-F for submitting qualification credentials in support of meeting the requirement of para 1.1.2, Annexure-A to BDS for MDMS, has been filled?</p> <p>(Tick only whichever is/are applicable)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	<p>Whether “Joint Deed of Undertaking” (jointly with the Sub-Contractor(s)) has been enclosed with bid?</p> <p>[Applicable in case where bidder proposed to qualify stipulated requirement for HES or MDMS through credentials of Sub-Contractor(s)]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Format H: Format in support of meeting the requirement of para 1.2 (Route-2) of Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents):

1.	<p>Whether Bidder is a Smart Meter Manufacturer</p> <p>(Tick only whichever is/are applicable)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	<p>Address of Smart Meter Manufacturing Facility</p> <p>.....</p>	
3.	<p>Name of the collaborator(s) on whose</p>	

	<p>technological support the above manufacturing facility for Smart Meters* has been established in India</p> <p><i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i></p>	.....
4.	<p>Whether Format-A for submitting qualification credentials in support of meeting the requirement of para 1.1.1, Annexure-A to BDS, has been filled?</p> <p>(Tick only whichever is/are applicable)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	<p>Whether a legally enforceable undertaking (jointly with the Collaborator) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment has been enclosed with bid? (in line with para 1.2.2 a of Annexure-A (BDS)).</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	<p>Whether confirmation letter from the collaborator stating that Collaborator shall furnish performance guarantee for an amount of 5 % of the cost of such equipment/services has been enclosed with bid? (in line with para 1.2.2 b of Annexure-A (BDS))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	<p>Whether valid collaboration agreement for technology transfer / license to design, manufacture and supply Smart Meter* in India has been enclosed with bid (in line with para 1.2.2 c of Annexure-A (BDS))</p> <p><i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i></p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	<p>Whether Bidder proposed to qualify requirement stipulated at clause 1.2.1 of Annexure(A) BDS on its own or through technical credentials of its Parent(s) and/or its Affiliate(s)</p>	<input type="checkbox"/> Bidder <input type="checkbox"/> Parent(s) and/or its Affiliate(s)
8.1	<p>Name of Parent/ Affiliate in case Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)</p>	.....
8.2	<p>Whether Format-K has been filled</p> <p>[Applicable in case where Bidder proposed to</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

	qualify through technical credentials of its Parent(s) and/or its Affiliate(s)] (Tick only whichever is/are applicable)	
9.	Whether Format-B for submitting qualification credentials in support of meeting the requirement of para 1.2.1, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	Whether Format-E for submitting qualification credentials in support of meeting the requirement of para 1.2.3, Annexure-A to BDS for HES, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.	Whether Format-F for submitting qualification credentials in support of meeting the requirement of para 1.2.3, Annexure-A to BDS for MDMS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.	Whether “Joint Deed of Undertaking” (jointly with the Sub-Contractor(s)) has been enclosed with bid? [Applicable in case where bidder proposed to qualify stipulated requirement for HES or MDMS through credentials of Sub-Contractor(s)]	<input type="checkbox"/> Yes <input type="checkbox"/> No

Format I: Format in support of meeting the requirement of para 1.3 (Route-3) of Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents):

1.	Whether Bidder is an Engineering, Procurement and Construction (EPC) firm or a Developer in Power / Water / Natural Gas / Telecom sector (Tick only whichever is/are applicable)	<input type="checkbox"/> Engineering, Procurement and Construction (EPC) firm <input type="checkbox"/> Developer
2.	Sector in which Bidder is an EPC firm or a Developer (Tick only whichever is/are applicable)	<input type="checkbox"/> Power Sector <input type="checkbox"/> Water Sector <input type="checkbox"/> Natural Gas Sector <input type="checkbox"/> Telecom sector

3.	Whether Bidder proposed to qualify requirement stipulated at clause 1.3.1 of Annexure(A) BDS on its own or through technical credentials of its Parent(s) and/or its Affiliate(s)	<input type="checkbox"/> Bidder <input type="checkbox"/> Parent(s) and/or its Affiliate(s)
3.1	Name of Parent/ Affiliate in case Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)	.....
3.2	Whether Format-K has been filled [Applicable in case where Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)] (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Whether Format-C for submitting qualification credentials in support of meeting the requirement of para 1.3.1, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	Address of Smart Meter Manufacturing Facility of the Sub-Contractor(s)	.....
6.	Whether Format-A or Format-B for submitting qualification credentials of Sub-Contractor(s) in support of meeting the requirement of para 1.3.2, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	Whether Format-L for submitting qualification credentials of Sub-Contractor(s) in support of meeting the requirement of para 2.0, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	Whether Format-A for submitting qualification credentials of Bidder in support of meeting the requirement of para 1.3.2, Annexure-A to BDS, has been filled (if applicable)? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No

9.	In case bidder proposes to qualify requirement of para 1.3.2, Annexure-A to BDS through Sub-Contractor(s) qualifying through para 1.2, Annexure-A to BDS, following information is required to be filled:	
9.1	Name of the collaborator(s) on whose technological support the above manufacturing facility (at sl no 5 above) for Smart Meters* has been established in India <i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i>	.....
9.2	Whether Format-A for submitting qualification credentials of Collaborator in support of meeting the requirement of para 1.1.1, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.3	Whether a legally enforceable undertaking (jointly with the Collaborator) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment has been enclosed with bid? (in line with para 1.2.2 a of Annexure-A (BDS)).	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.4	Whether confirmation letter from the collaborator stating that Collaborator shall furnish performance guarantee for an amount of 5 % of the cost of such equipment/services has been enclosed with bid? (in line with para 1.2.2 b of Annexure-A (BDS))	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.5	Whether valid collaboration agreement for technology transfer / license to design, manufacture and supply Smart Meter* in India has been enclosed with bid (in line with para 1.2.2 c of Annexure-A (BDS)) <i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	Whether Format-E for submitting qualification credentials in support of meeting the requirement of para 1.3.3, Annexure-A to BDS for HES, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No

11.	Whether Format-F for submitting qualification credentials in support of meeting the requirement of para 1.3.3, Annexure-A to BDS for MDMS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.	Whether “Joint Deed of Undertaking” (jointly with the Sub-Contractor(s)) has been enclosed with bid? [Applicable in case where bidder proposed to qualify stipulated requirement for HES or MDMS through credentials of Sub-Contractor(s)]	<input type="checkbox"/> Yes <input type="checkbox"/> No

Format J: Format in support of meeting the requirement of para 1.4 (Route-4) of Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents):

1.	Whether Bidder is a System Integrator (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Whether Bidder proposed to qualify requirement stipulated at clause 1.4.1 of Annexure(A) BDS on its own or through technical credentials of its Parent(s) and/or its Affiliate(s)	<input type="checkbox"/> Bidder <input type="checkbox"/> Parent(s) and/or its Affiliate(s)
2.1	Name of Parent/ Affiliate in case Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)	.....
2.2	Whether Format-K has been filled [Applicable in case where Bidder proposed to qualify through technical credentials of its Parent(s) and/or its Affiliate(s)] (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Whether Format-D for submitting qualification credentials in support of meeting the requirement of para 1.4.1, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Address of Smart Meter Manufacturing Facility of the Sub-Contractor(s)	.....

5.	Whether Format-A or Format-B for submitting qualification credentials of Sub-Contractor(s) in support of meeting the requirement of para 1.4.2, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	Whether Format-L for submitting qualification credentials of Sub-Contractor(s) in support of meeting the requirement of para 2.0, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	Whether Format-A for submitting qualification credentials of Bidder in support of meeting the requirement of para 1.4.2, Annexure-A to BDS, has been filled (if applicable)? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	In case bidder proposes to qualify requirement of para 1.4.2, Annexure-A to BDS through Sub-Contractor(s) qualifying through para 1.2, Annexure-A to BDS, following information is required to be filled:	
8.1	Name of the collaborator(s) on whose technological support the above manufacturing facility (at sl no 4 above) for Smart Meters* has been established in India <i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i>	.....
8.2	Whether Format-A for submitting qualification credentials of Collaborator in support of meeting the requirement of para 1.1.1, Annexure-A to BDS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.3	Whether a legally enforceable undertaking (jointly with the Collaborator) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment has been enclosed with bid? (in line with para 1.2.2 a of Annexure-A (BDS)).	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.4	Whether confirmation letter from the	<input type="checkbox"/> Yes <input type="checkbox"/> No

	collaborator stating that stating that Collaborator shall furnish performance guarantee for an amount of 5 % of the cost of such equipment/services has been enclosed with bid? (in line with para 1.2.2 b of Annexure-A (BDS))	
8.5	Whether valid collaboration agreement for technology transfer / license to design, manufacture and supply Smart Meter* in India has been enclosed with bid (in line with para 1.2.2 c of Annexure-A (BDS)) <i>(*): Smart Meters conforming to IS:16444 or equivalent International Standard</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	Whether Format-E for submitting qualification credentials in support of meeting the requirement of para 1.4.3, Annexure-A to BDS for HES, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	Whether Format-F for submitting qualification credentials in support of meeting the requirement of para 1.4.3, Annexure-A to BDS for MDMS, has been filled? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.	Whether “Joint Deed of Undertaking” (jointly with the Sub-Contractor(s)) has been enclosed with bid? [Applicable in case where bidder proposed to qualify stipulated requirement for HES or MDMS through credentials of Sub-Contractor(s)]	<input type="checkbox"/> Yes <input type="checkbox"/> No

Format K: Format to be filled in case bidder is seeking to qualify on the basis of technical and financial capability of its Parent(s) and/or its Affiliate(s)

1.	Whether Bidder is seeking to qualify on the basis of technical and financial capability of its Parent(s) and/or its Affiliate(s)*? * “Parent(s)” shall mean a company that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidder, as the case may be; “Affiliate” shall mean a company that either	<input type="checkbox"/> Bidder is seeking to qualify through Technical Credentials of its Parent(s) and/or its Affiliate(s) <input type="checkbox"/> Bidder is seeking to qualify through Financial Credentials of its Parent(s) and/or its Affiliate(s)
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	directly or indirectly: controls or is controlled by or is under common control with a Bidder and “control” mean ownership by one company of 26% of the voting rights of the other company, as the case may be. (Tick only whichever is/are applicable)	
2.	Letter of Undertaking from the Parent/Affiliate supported by the Parent/Affiliate’s Board Resolution as per the format enclosed in the bidding documents, enclosed with the bid? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Documentary evidence to establish relationship between Bidder and the Parent/Affiliate, enclosed with the bid? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Details about the equity shareholding between Bidder and the Parent/Affiliate, enclosed with the bid? (Tick only whichever is/are applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	The Qualified Bidder(s) shall continue to maintain compliance with the Qualification Requirements throughout the bidding process and till execution of the Contract?	<input type="checkbox"/> Yes <input type="checkbox"/> No

3.0 Manufacturing Facilities*[Reference para 2.0 of Annexure-A (BDS), Vol.-I]*

3.1 *The Bidder who is qualifying through para 2.1 or para 2.2 above must have its own manufacturing facility in India for Smart Meters* having minimum manufacturing capacity[^] of [15 Lacs] meters per annum as on the rescheduled date of bid opening mentioned above.*

Notes-

1. ^(^) : Bidder shall submit certificate from Chartered Accountant certifying the manufacturing capacity
2. ^(*) : Smart Meters conforming to IS:16444 or equivalent International Standard

3.2 The bidder is required to furnish data/details/information relevant to the stipulated QR as follows:

Format L: Format for submitting qualification credentials of Bidder (individual firm or partner of a joint venture) / Sub-Contractor(s) for Smart Meter, in support of meeting the requirement of para 2.1, Annexure-A to BDS, Section-III, Volume-I of the Bidding Documents

1.	Name of the bidder/Partner of JV (<i>in case of JV</i>)/Sub-Contractor who is having its own manufacturing facility in India for Smart Meters* (*): Smart Meters conforming to IS:16444 or equivalent International Standard	
2.	Address of Smart Meter Manufacturing Facility	
3.	Meter Manufacturing Capacity per year	_____ meters per annum
4.	Whether Certificate from Chartered Accountant certifying the manufacturing capacity, is enclosed with the bid.	<input type="checkbox"/> Yes <input type="checkbox"/> No

(Use separate sheet for each firm)

4.0 JOINT VENTURE BIDS

[Reference para 3.0 of Annexure-A (BDS), Vol.-I]

4.1 In case a bid is submitted by a Joint Venture (JV) of two firms or three firms as partners, wherein financial position requirement for the JV Partners shall be as under:

- (i) All the partners of JV shall meet individually Financial Position criteria given at Para 5.0 (a) below.
- (ii) The lead partner must meet not less than 40% of the Financial Position criteria given at Para 5.0 (b) and 5.0 (c) below.
- (iii) Each of the other partner(s) must meet not less than 25 % of the Financial Position criteria given at Para 5.0 (b) and 5.0 (c) below.
- (iv) The joint venture must collectively meet the criteria given at para 5.0(b) and 5.0 (c) below for which purpose the relevant figure of Financial Position (Para 5.0 (b) and 5.0 (c)) for each of the partners of the JV shall be added together.

4.2 Further, any one of the following combinations of partner(s) shall only be permitted for Joint Venture (JV) bids:

4.2.1 JV of Two or Three Smart Meter Manufacturers

4.2.1.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) All the partners must individually meet the Technical Experience criteria given at Para 2.1 or Para 2.2 above.
- (ii) The Lead partner shall meet not less than 50% of Manufacturing Facilities criteria at Para (3.0) above.
- (iii) Each of the other partner(s) shall meet not less than 25% of Manufacturing Facilities criteria at Para (3.0) above.
- (iv) All JV partners shall collectively meet 100% of Manufacturing Facilities criteria at Para (3.0) above.

4.2.1.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

4.2.1.3 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

4.2.2 **JV of one EPC firm/Developer and one/two Smart Meter Manufacturer(s)**

4.2.2.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) EPC firm/ Developer partner must meet the Technical Experience criteria given at Para 2.3.1, above.
- (ii) All Smart Meter Manufacturer partner(s) shall individually meet the Technical Experience criteria given at Para 2.1 or Para 2.2 above.
- (iii) In case Smart Meter Manufacturer is lead partner, then such partner shall meet not less than 50% of Manufacturing Facilities criteria given at Para (3.0) above.
- (iv) In case Smart Meter Manufacturer is other than the lead partner, then such partner shall meet not less than 25% of Manufacturing Facilities criteria given at Para (3.0) above.
- (v) All Smart Meter Manufacturer partner(s) shall collectively meet 100% of Manufacturing Facilities criteria given at Para (3.0) above.

4.2.2.2 The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.

4.2.2.3 A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.

4.2.3 **JV of one System Integrator firm and one/two Smart Meter Manufacturer(s)**

4.2.3.1 Technical Experience Requirement for the JV partners shall be as under:

- (i) System Integrator partner must meet the Technical Experience criteria given at Para 2.4.1 above.
- (ii) All Smart Meter Manufacturer partner(s) shall individually meet the Technical Experience criteria given at Para 2.1 or Para 2.2 above.
- (iii) In case Smart Meter Manufacturer is lead partner, then such partner shall meet not less than 50% of Manufacturing Facilities criteria given at Para (3.0) above.

- (iv) *In case Smart Meter Manufacturer is other than the lead partner, then such partner shall meet not less than 25% of Manufacturing Facilities criteria given at Para (3.0) above.*
- (v) *All Smart Meter Manufacturer partner(s) shall collectively meet 100% of Manufacturing Facilities criteria given at Para (3.0) above.*

4.2.3.2 *The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as Clause 2 of Section- 5 of Technical Specification.*

4.2.3.3 *A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.*

4.2.4 **JV of one EPC firm/Developer and one System Integrator firm**

4.2.4.1 *Technical Experience Requirement for the JV Partners shall be as under:*

- (i) *EPC Firm/Developer partner must meet the Technical Experience criteria given at Para 2.3.1 above.*
- (ii) *System Integrator partner must meet the Technical Experience criteria given at Para 2.4.1 above.*

4.2.4.2 *The bidder’s Sub-Contractor(s) for Smart Meter, shall meet criteria given at Para 2.1 or 2.2 above, individually and Manufacturing Facilities criteria given at Para 3.0 above, collectively.*

Or

In case, the bidder on its own meets the installation and integration criteria given at Para 1.1 above, then its Sub-Contractor(s) for Smart Meter, shall only be required to meet the manufacturing and supply criteria given at Para 2.1 or 2.2 above, individually and Manufacturing Facilities criteria given at Para 3.0 above, collectively.

4.2.4.3 *The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.*

4.2.4.4 *A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.*

4.2.5 **JV of one EPC firm/Developer, one System Integrator firm and one Smart Meter Manufacturer**

4.2.5.1 *Technical Experience Requirement for the JV partners shall be as under:*

- (i) *EPC firm/Developer must meet the Technical Experience criteria given at Para 2.3.1 above..*
- (ii) *System Integrator partner must meet the Technical Experience criteria given at Para 2.4.1 above..*

- (iii) *Smart Meter Manufacturer partner must meet the Technical Experience criteria given at Para 2.1 or Para 2.2 above.*
 - (iv) *Smart Meter Manufacturer partner must meet Manufacturing Facilities criteria given at Para (3.0) above.*
- 4.2.5.2 *The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS) as per Clause 2 of Section- 5 of Technical Specification.*
- 4.2.5.3 *A “Joint Deed of Undertaking” as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and all the Sub-Contractor(s) shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of 5% of cost of equipment/services offered by such Sub-Contractor. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.*
- 4.3 *The bidder shall submit documentary evidence in support of qualification requirement stipulated above.*
- 4.4 *In accordance with the above, in case of JV bidders, it should be ensured that necessary details including those pertaining to each JV partner are furnished in the Format-A to K under Para 2.0 and Format under Para 3.0 above, as applicable, and the documents are submitted alongwith the bid. Further, the JV bidders should also ensure that other requirements are complied with.*

5.0 Financial Position

For the purpose of the particular bid, bidders shall meet the following minimum criteria:

- a) *Net Worth of the bidder for last 3 financial years should be positive.*
- b) *Minimum Average Annual Turnover[^](MAAT) of the bidder for best three years out of last five financial years of the bidder should be Rs. 722.78 Cr. or equivalent.*

[^]Note- “Annual gross revenue from operations/gross operating income as incorporated in the profit & loss account excluding other operative income/other income”.

- c) *Bidder shall have Liquid Assets (LA) and/or evidence of access to or availability of credit facilities of not less than Rs. 230.59 Cr. or equivalent.*

Note:

- (i) *In case bidder yet to complete three (3) financial years, the Net Worth and average of the turnover as per financial statement for completed financial years shall be considered for the purpose of compliance to the specified Net Worth and MAAT requirements.*

- (ii) *Relaxation for Start-Ups[^]/ MSEs*

Start-Ups[^]/ MSEs, meeting the specified requirements at Para 5.0 (a) above in Financial Position shall also be considered qualified if they meet Eighty (80) % of the requirement specified at Para 5.0 (b) & 5.0 (c) above in Financial Position.

[^] Start-Ups as defined by DPIIT, applicable as on the rescheduled date of bid opening.

- 5.1 In support of its 'Financial Position', in line with the above, the Bidder (Individual firm or all the JV partners in case of JV bidder) must provide the relevant information, alongwith documentary evidence, in the following formats A & B:

Name of the Bidder [Individual Firm / Lead Partner of a JV / Partner of a JV]	
--	--

A. Average Annual Turnover details:		
Sl. No.	Financial year	Average annual turnover in Rs. Crore
1		
2		
3		
4		
5		
	Average annual turnover for best three years is:	

(Use separate sheet for Parent(s) and/or its Affiliate(s), in case bidder meeting the requirement on the basis of financial capability of its Parent(s) and/or its Affiliate(s) as per para 6.0 below)

B. Liquid Assets	
Details of evidence of having Liquid assets (LA)	_____
Or	
Details of evidence of access to or availability of credit facilities	_____

(Use separate sheet for Parent(s) and/or its Affiliate(s), in case bidder meeting the requirement on the basis of financial capability of its Parent(s) and/or its Affiliate(s) as per para 6.0 below)

- 5.2 The Bidder should accordingly also provide the following information/documents (In case of JV bidders, information should be provided separately for all the Partners of JV in the given format) (In case of Affiliate (s) / Patent(s) is meeting the Financial Position Requirement, information should be provided separately for such Affiliate (s) / Patent(s) of the Bidder / JV Partner):

Audited balance sheet and income statements for the last five years as per the following:

Years preceding to the bid opening	Audited Balance Sheet and Income Statements enclosed	
1 st Year	<input type="radio"/> Yes	<input type="radio"/> No
2 nd Year	<input type="radio"/> Yes	<input type="radio"/> No
3 rd Year	<input type="radio"/> Yes	<input type="radio"/> No
4 th Year	<input type="radio"/> Yes	<input type="radio"/> No
5 th Year	<input type="radio"/> Yes	<input type="radio"/> No

6.0 Notes for Para 2.0, 4.0 and 5.0 above

- (i) The Bidder may seek qualification on the basis of technical and financial capability of its Parent(s) and/or its Affiliate(s)* for the purpose of meeting the qualification requirements. In such an event, the Bidder would be required to furnish along with the bid a Letter of Undertaking from the Parent/Affiliate*, as the case may be, supported by the Parent/Affiliate's* Board Resolution, as per the format enclosed in the bidding documents.

The technical and financial capability of a particular entity, including its Parent(s) and/or its Affiliate(s)*, shall not be used by more than one Entity. The determination of the relationship of Parent(s) and/or Affiliate(s)* with the Bidder shall be on the date 7 (seven) Days prior to the originally schedule date of bid opening. Documentary evidence to establish such relationship shall be furnished by the Bidder along with the Technical Bid.

The Bidder shall have to provide information and documents relating to its relationship with such Parent/Affiliate* including details about the equity shareholding between them as per the format attached along with the bidding documents.

The Qualified Bidder(s) will be required to continue to maintain compliance with the Qualification Requirements throughout the bidding process and till execution of the Contract. Failure to comply with the aforesaid provisions shall make the Bid liable for rejection at any stage.

* "Parent(s)" shall mean a company that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidder, as the case may be;

"Affiliate" shall mean a company that either directly or indirectly: controls or is controlled by or is under common control with a Bidder and "control" mean ownership by one company of 26% of the voting rights of the other company, as the case may be.

7.0 *The bidder shall furnish documentary evidence in support of the qualifying requirement stipulated as above. For the Developer, documentary evidence in the form of auditor certificate certifying payment made towards the development of the completed project(s) shall be required to be furnished. In case bidder is a distribution/transmission licensee, self-certification of works on basis of Board-Resolution shall be accepted.*

Date:.....

(Signature).....

Place:.....

(Printed Name).....
 (Designation).....
 (Common Seal).....