



आरईसी पावर डिस्ट्रीब्यूशन कम्पनी लिमिटेड
REC POWER DISTRIBUTION COMPANY LIMITED

(A wholly owned subsidiary of REC Ltd., a 'Navratna CPSE' under Ministry of Power, Govt. of India)
CIN No. RECPDCL-U40101DL2007GOI165779

Corporate Office: 1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi-110019
Tel: 011-44128755 Fax: 011-44128768, Website: www.recpdcl.in, E-mail: co.delhi@recpdcl.in
Regd. Office: Core-4, SCOPE Complex, 7 Lodhi Road, New Delhi-110003, Phone (011) 43091508 Fax: (011) 24365815

**Short Term Notice for Expression of Interest from experienced companies for providing SMART Metering and associated Network Canopy for the SMART Grid Pilot Project of BESCO, Karnataka.
[EOI No – RECPDCL / SMART GRID / 01]**

(EOI invited through e-Tendering mode only)

For

**Engagement of AMI Solution Provider for BESCO
SMART GRID Pilot project**

No. RECPDCL/TECH/EOI/AMI Solution/e-Tender/2016-17/1434 Dated: 01.08.2016

Description of task, Pre-qualifying criteria, e-tender submission format and procedure is available on RECPDCL website (www.recpdcl.in), REC website (www.recindia.com), Central Procurement Portal (www.eprocure.gov.in)

Important Dates for E- Tendering mode	
Date of Release of Eoi Notice	01.08.2016
Last date of submission of EOI	04.08.2016at 1500 Hours
Date of Opening of EOI(Technical Part)	04.08.2016 at 1600 Hours

Note:

Online registration shall be done on e-tendering website i.e. www.tenderwizard.com/REC & in general, activation of registration may takes 24 hours subject to the submission of all requisite documents required in the process.

-Sd-

**(S.C. Garg)
Addl. C.E. O.**

[This document is meant for the exclusive purpose of Agencies participating against this bid and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued]

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SECTION-I TENDER INFORMATION

Name of the assignment:

Engagement of AMI Solution Provider for BESCO SMART GRID Pilot project

Important information

Sl. No.	Event	Information to the agencies	
1	Date of Release of EOI	01.08.2016	
2	Last date of submission of EOI	04.08.2016 at 1500 Hours	
3	Date of Opening of EOI	04.08.2016 at 1600 Hours	
4	Tender Document	The details can be downloaded free of cost from the websites www.recpdcl.in (or) www.recindia.nic.in (or) www.eprocure.gov.in (or) www.tenderwizard.com/REC	
5	EMD	Rs.8,00,000/-	
6	Bid is to be addressed to	Addl. Chief Executive Officer, REC Power Distribution Company Limited, 1016-1023, 10 th Floor, Devika Tower, Nehru Place New Delhi- 110019, India. Phone : 011-44128752 Email- bd.delhi@recpdcl.in	
7	Contact Person	Shri Sunil Bisht Deputy Manager (Technical) , RECPDCL Phone : 011-44128760	Shri Swapn Piyooosh Sr. Executive(Engg.) , RECPDCL Phone : 011-44128759

The EMD (Earnest Money Deposit) is to be submitted by all the participating Bidders in the form of demand draft/Bank Guarantee of an amount of Rs.8,00,000 (Rupees Eight Lakhs only/-) of any scheduled/nationalized Indian bank in favour of REC Power Distribution Company Limited, Payable at New Delhi .The EMD of unsuccessful Bidder will be returned within 30 days on completion of BESCO tendering process and EMD of successful Bidder will also be returned after acceptance of work order and submission of PBG (Performance Bank Guaranty) i.e. 10% of the Contract Value (within 30 days from receipt of PBG).

The bid shall remain valid for a period of 180 days from the date of bid submission.

SECTION-II

PREFACE

About RECPDCL

REC Power Distribution Company Limited (REC PDCL) is an ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Company, a wholly owned subsidiary of REC Ltd., a 'Navratna' CPSE under Ministry of Power, was incorporated with specific focus on developing and investing in electricity distribution and its related activities. It received certificate of commencement of business on July 31st, 2007

The objective of setting up of RECPDCL was to capitalize on opportunities offered through the provisions of Section 4 and Section 5 of the Electricity Act, 2003. This Act, aims at opening up the electrification sector to various private players while exempting them from holding a license for distribution and retail supply. The main objectives of the Company, as set out in the Memorandum of Association, are as follows:

- To promote, develop, construct, own, operate, distribute and maintain 66 KV and below voltage class Electrification/Distribution Electric supply lines/distribution system.
- To promote, develop, construct, own and manage Decentralized Distributed Generation (DDG) and associated distribution system.
- Consultancy/execution of works in the above areas for other agencies/Govt. bodies in India and abroad.

RECPDCL is rendering a spectrum of consultancy services in power sector. Since from inception of the company, we have successfully executed the following wide variety of consultancy assignments:

- a) Project Management Consultancy (PMC) Services for electrical infrastructure Projects of more than Rs 20000 Cr of value of projects including Bid Process Management activities for RGGVY, NEF, R-APDRP etc.
- b) Third Party Inspection of Feeder Renovation Program (FRP) / HVDS Schemes.
- c) Third Party Inspection of villages electrified under RGGVY, BRGF, R-APDRP, Infrastructure scheme
- d) Third Party Evaluation/Impact study of HVDS schemes
- e) Material inspection of various electrical equipment,
- f) Energy Audit Assignments
- g) System studies of HT and LT network
- h) Energy Meter Data Analysis

- i) AMR/MRI based Energy Billing
- j) IT in Power Distribution related works
- k) Lenders Engineer for power projects including Renewable Energy Projects
- l) Preparation of Cost Data Book with Standard specifications.
- m) Formulation of DPR for Distribution System infrastructure development schemes viz., R-APDRP, RGGVY, NEF, DDG etc.
- n) IT implementation under R-APDRP

With this objective and background, RECPDCL intends to participate in the Bangalore (Karnataka) Smart Grid Pilot Project as System Integrator [RFP No. BESCO/GM (DAS & SG)/BC-19/ 2015-16/10 dated 08.03.2016] hereafter referred as "BESCOM tender" and hereby intends to engage AMI Solution provider for supply and commissioning of SMART Metering and associated Network system. Interested AMI solution suppliers shall submit their Expression of Interest to RECPDCL with their commercial.

Project:

Bangalore Electricity Supply Company Limited (a Karnataka Discom and hereafter referred as "Client" or "BESCOM") is planning to establish Smart Grid project in Domlur O & M unit of E6 sub-division of Indiranagar, Bangalore. Indiranagar is one of the electrical divisions of BESCOM covered in East circle of Bangalore Metropolitan Area Zone. Domlur O & M unit of E6 sub-division has been selected as project area owing to following criteria:

- Small urban area
- High literacy rate of about 90%
- Modern power infrastructure inclusive of overhead as well as underground network
- Scope for deployment of renewable energy as large number of independent houses are present

Project area has about 52,000 population spread over about 2.8 sqkm. Proposed Smart Grid project would include Advanced Metering Infrastructure(AMI), Peak Load Management(PLM) and some of the specific activities on pilot basis like demand side management, prepaid metering, distribution transformer monitoring, net metering, active power filter for power quality improvement, electric vehicle charging infrastructure and street light automation.



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Few Base Line Parameters of Project Area are as follows:-

Connections – 26119
Peak Load – 17 MW
11 kV Feeders – 15 Nos.
DT – 295 Nos.

Annual Energy Input – 53 Mus
Billing Efficiency – 93.26%
Collection Efficiency – 93.70%
AT&C Losses – 12.61%

Project Timelines

The project execution is for 18 months with 5 years of post-commissioning maintenance inclusive of 2 year operations. Thus, the total project engagement is for a period of 78 months.

Project Details

Following tender documents (**BESCOM/GM (DAS & SG)/BC-19/2015-16 /10dated 08.03.2016 with all amendments issued time to time by the client**) issued by the client i.e. BESCOM for this project are integral part of this RECPDCL Expression of

Interest to engage AMI Solution Provider and Interested AMI Solution Provider shall refer these documents for the detailing. Any document / amendment released by the BESCOM for this project before the Award of this project will become integral part of this project.

1. Notice Inviting Tenders (Section I)
2. Instructions to Bidders (Section II)
3. General Conditions of Contracts (Section III)
4. Annexure (Section IV)
5. Erection Conditions of Contract (Section V)
6. Special Conditions of Contract (Section VI)
7. Technical Specifications (Section VII)
8. Amendments and Corrigendum's as issued by client (whether attached or not with this EoI Notice)



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SECTION-III

Instructions to Bidders

3.1 Submission of Bid

Agency shall submit their responses by 04.08.2016, 1500 Hrs online through e-tendering website www.tenderwizard.com/REC

The last date of bid submission for BESCO Tender is 09.08.2016, as such no request to extend the date of this EoI for submission of BID will be entertained.

A. The submission and opening of Bids will be through e-tendering process.

Agency can download Bid document from the RECPDCL web site i.e. <http://www.recpdcl.in> or portal.recpdcl.in or www.recindia.com or eprocure.gov.in and e-tendering regd. link is given in RECPDCL website i.e. www.tenderwizard.com/REC

(Note: To participate in the e-Bid submission, it is mandatory for agency to have user ID & Password. For this purpose, the agency has to register them self through tender Wizard Website given below. Please also note that the agency has to obtain digital signature token for applying in the Bid. .

Steps for Registration

- (i) Go to website <http://www.tenderwizard.com/REC>
- (ii) Click the link 'Register Me'
- (iii) Enter the details about the E-tendering as per format
- (iv) Click 'Create Profile'
- (v) E-tender will get confirmation with Login ID and Password

B. Steps for application for Digital Signature from Bid Wizard:

Download the Application Form from the website <http://www.tenderwizard.com/REC> free of cost. Follow the instructions as provided therein. In case of any assistance you may contact RECPDCL officers whose address is given at the Bid.

Bid to be submitted through online mode on website www.tenderwizard.com/REC in the prescribed form.

C. The Agency qualifying the above criteria should upload Bid document with duly signed scanned soft copy of the documents given below for the prequalifying response:

(Pre- Qualifying Criterion Documents)

- 1 Form-I -----Letter of submission of Tender
- 2 Form-II -----Pre-Qualifying Criteria Details
- 3 Form-IV-----No Deviation Certificate



ISO 9001:2008, ISO 14001:2004
& OHSAS 18001:2007

Certified Company

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EMD of Rs. 8,00,000/- in form of DD or Bank Guarantee may be drawn from a scheduled commercial bank in favour of The "REC Power Distribution Company Ltd", New Delhi and scanned copy to be uploaded and original to be submitted by next working day of e-Bid submission.

Financial

1. Form-III-----Financial Proposal
2. Form-IIIA-----Financial Sheet

Financial bid to be submitted in the specific format designed, both Form III and Form III A may be downloaded from website www.tenderwizard.com/REC and after filling the forms, both the forms have to be uploaded through digital signature.

The all document should be addressed to.

Addl. Chief Executive Officer ,
REC Power Distribution Company Ltd.
1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi - 110019

(Note: All papers that comprise the Bid document of the concerned Bid must be numbered. An index of each page should also be provided)



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SECTION-IV

GENERAL CONDITIONS OF TENDER

1. The Bidder of this EoI (AMI Solution Provider) has to accept all the terms and conditions as mentioned in the BESCO Tender and has to perform/assign/discharge all activities/authorities/responsibilities as required under the said tender of the client including to assign Power of Attorney in favour of Lead Bidder (i.e REC PDCL) as required under BESCO Tender and also to enter into the required agreement for formation of Consortium to participate in the BID of BESCO.
2. The Bidder of this EoI will have to act in such a manner to complete all documentations required to enable the Lead Bidder of BESCO Tender (i.e. RECPDCL) to submit the BID to BESCO within scheduled time and date.
3. The bidder must fulfill the above eligibility criteria/pre-qualifying conditions for evaluation of their bids. Bids of bidders fulfilling the above eligibility/pre-qualifying conditions will only be evaluated by the duly constituted evaluation committee. Bids of the bidders not fulfilling the eligibility/pre-qualifying conditions given above may be summarily rejected. Undertaking for subsequent submission of any of the above documents will not be entertained under any circumstances.
4. RECPDCL reserve the right to verify/confirm all original documentary evidence submitted by the bidder in support of above mentioned clauses of eligibility criteria, failure to produce the same within the period as and when required and notified in writing by RECPDCL shall result in summarily rejection of the bid.
5. Engagement with RECPDCL does not confer any right to the agencies to be invited for participating in any bids, tender etc. floated by RECPDCL. RECPDCL reserves the right to call bids/assign work/associate the agency/agencies in any area as may be deemed fit by RECPDCL depending upon the profile provided by the agencies and requirement of assignment.
6. RECPDCL reserves the right to accept or reject any or all requests for engagement without assigning any reason or to accept in parts and engage more than one agencies at its sole discretion.



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7. Acceptance of the application(s) constitutes no form of commitment on the part of RECPDCL. Furthermore, this acceptance of the application confers neither the right nor an expectation on any application to participate in the proposed project.
8. RECPDCL reserve the right to waive off any shortfalls; accept the whole, accept part of or reject any or all responses to the Tender.
9. RECPDCL reserve the right to call for fresh tenders at any stage and /or time as per the present and /or envisaged RECPDCL requirements even if the tender is in evaluation stage.
10. RECPDCL reserve the right to modify, expand, restrict, scrap, re-float the tender without assigning any reason for the same.
11. The responder shall bear all costs associated with the preparation and submission of its response, and RECPDCL will in no case be responsible or liable for these costs, regardless of the conduct or the outcome of the tender process.
12. Consortium and joint venture responses are not allowed, in any case. Also, bidders have to note that no sub-contracting / sub-letting is allowed

13. Performance Security:

1. The agency need to deposit within fifteen (15) working days from the date of acceptance of work order, a Performance Security in the form of Bank Guarantee or Demand Draft (DD), for an amount of 10% (Ten per cent) of the Tender value for the due performance and fulfilment of the contract by your firm which is valid for 78 months
2. The Performance Bank Guarantee may be drawn from a scheduled commercial bank in favour of The "REC Power Distribution Company Ltd", New Delhi.
3. The Performance Bank Guarantee may be discharged/ returned by the RECPDCL after the completion of the contract upon being satisfied for the performance of the obligations of your firm under the contract.
4. Failing to comply with the above requirement, or failure to enter into contract within 30 days or within such other extended period, as may be decided by the CEO, RECPDCL shall constitute sufficient grounds, among others, if any, for the annulment of the award of the tender.



POWER DISTRIBUTION

ISO 9001:2008, ISO 14001:2004

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5. In the event the firm being unable to provide the services, during the engagement period as per the contract for whatever reason, the Performance Bank Guarantee would be invoked by RECPDCL.
6. No Bank Charges/ interest shall be payable for the Performance Bank Guarantee.

14. Rates and Prices

- a Bidders should quote item-wise rates/ prices including all taxes and duties as mentioned in Form-III by explicitly mentioning the breakup of basic prices and applicable taxes.
 - b Price quoted by bidder shall be firm for entire contract period.
 - c Price quoted shall be firm and any variation in rates, prices or terms during validity of the offer shall lead to forfeiture of the EMD of said bidder.
 - d The quoted prices shall be for delivery and installation at Project Site in Indiranagar, Bangalore (Karnataka). The prices shall be FOR destination and shall include all charges, levies and duties for delivery and installation at the specified locations in Karnataka State. The exact details of location address etc. shall be provided along with the release order.
 - e In this regard, the details of price to be quoted in the BESCOM Tender may be read before quoting price to RECPDCL, the same criteria will be adopted by RECPDCL and shall be applicable on the Bidder of this EoI.
15. In case of default in services or denial of services, RECPDCL, at its sole discretion, will be free to avail services of other service providers at your "Risk & Cost".
16. Bidders are advised to refrain from taking any deviations on this TENDER or from BESCOM Tender. Still in case of any deviations either in this EoI or in the BESCOM Tender, all such deviations documents shall be set out by the Bidders, Clause by Clause in the format as mentioned in Form IV and submit the same as a part of the Technical Bid. Please note that in case of deviations to the tender terms, bids may be liable for rejection.
17. In case any damage or defect is found during verification after receipt of material at Purchaser's stores or material develops defects within warranty period, the supplier shall attend/replace such defects free of all charges within 15 days of being notified by the Purchaser or as per requirement of the client, of the occurrence of such defects. In case the defect is not attended or replacement of material is not received within specified period, then apart from encashing the performance security deposit,



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the Purchaser may also take suitable penal action including debarring from all future business.

18. The insurance coverage: Goods supplied under the contract shall be also fully insured on all risk basis during inland transit up to destination store in the purchaser's country. The supplier must insure the Goods in an amount equal to 110% of CIF/EXW price of Goods.
19. Bidder to submit a "No Deviation Certification" against the compliance of Terms and conditions mentioned in this EOI and General Terms and conditions & Special Terms are conditions mentioned in the Project RFP Issued by BESCO.
20. In the bid proposal to BESCO, RECPDCL will be the lead bidder and AMI Solution provider will be the Consortium partner with Joint and Several Responsibility for the whole project.
21. Selected AMI Solution provider for the BESCO, needs to provide all the technical and commercial documents to RECPDCL within 3 days or less nos. of days from the date of RECPDCL written request to enable RECPDCL to submit the BID to BESCO within stipulated period.
22. Selected AMI solution provider to submit "No Deviation" Certificate for all the terms and conditions to RECPDCL against the BESCO project for all the activities / material, which will be provided by the AMI solution provider.
23. In consideration of the award of the contract by the Client to the RECPDCL Consortium members, AMI Solution provider do hereby agree that RECPDCL shall act as lead company and further declare and confirm that AMI Solution provider will be part of consortium and shall jointly and severally be bound to the client for the successful performance of the contract and shall be fully responsible for the design, manufacture, supply and successful performance of the equipment in accordance with the Prime Contract.
24. Selected AMI Solution Provider to enter into the Consortium Agreement with RECPDCL before the submission of Tender document to BESCO. AMI Solution provider to provide a Power of Attorney to RECPDCL for performing the role of Lead Bidder in the aforesaid project.
25. Shortlisted AMI Solution provider should be available for consultation with RECPDCL during any negotiations with Client. AMI Solution Provider will attend any negotiations or discussions between RECPDCL and Client, which pertain to the



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Proposal. Any expense on account of travel or man-effort for interaction/presentation/negotiation with client will be borne by the AMI solution Provider for the tasks pertains to them.

26. In the event that the Client accepts the Proposal and approves the provision of solution offered by RECPDCL, the parties shall execute the mutually agreed Sub-Contract whereby selected AMI solution provider will provide Supply & services consistent with the commitments agreed upon in this EOI and RECPDCL's Proposal.
27. Payment Term : Payment terms for the AMI Solution provider will be on 100% back-to-back basis as per the terms agreed between RECPDCL and client. RECPDCL shall release the payment to AMI solution Provider for his portion as per the agreement payment terms only on receipt of payment from the client.
28. All required securities towards Mobilisation advance/Performance BG as required under the contract of BESCO Tender will be submitted to RECPDCL in proportionate amount payable to the AMI Solution Provider.
29. Risk Sharing AMI Solution provider will be severally and jointly responsible for the faithful performance of the contract AMI solution provider will be fully responsible for the risk arising in the project execution on account of the services/material provided by the appointed AMI solution provider, however, this shall not in any way be a limitation of joint and several responsibilities of the AMI Solution Provider under this contract. Any penalty/liquidated damages/liability arises during the execution of this project then same will be recovered from the appointed AMI solution provider on proportionate basis.
30. **List of documents to be submitted as part of Eoi**
 1. Covering Letter detailing company interest and name of authorized person
 2. Power of Attorney of the authorized person signing EOI
 3. Self-Attested Copy of PAN Number
 4. Self-Attested copy of VAT / TiN registration Number
 5. Documents Proofs for the Minimum Qualification Criteria
 6. No Deviation Certificate
 7. Technical proposal as per the requirement of client RFP
 8. Financial Proposal



ISO 9001:2008, ISO 14001:2004
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31. **EMD Details:** The EMD (Earnest Money Deposit) is to be submitted by all the participating Bidders in the form of demand draft/Bank Guarantee of an amount of Rs.8,00,000 (Rupees Eight Lakhs only/-) of any schedule/nationalized Indian bank in favour of REC Power Distribution Company Limited, Payable at New Delhi before the submission date of EOI. The EMD of unsuccessful Bidder will be returned within 180 days from the period of expiry of NIT and EMD of successful Bidder will also be returned after acceptance of work order and submission of PBG (Performance Bank Guaranty) i.e. 10% of the Contract Value (within 30 days from receipt of PBG).
32. The bid shall remain valid for a period of 180 days from the date of bid submission. Any other relevant information/document as required by client.



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SECTION-V
ELIGIBILITY CRITERIA

Minimum Qualification Criteria for the AMI solution provider

1. Bidder should have successfully supplied more than 50000 smart meters to at least two different customers in last five years in India or Global (Proof: Project Completion Certificates).
2. Bidder should have experience of implementing AMI RF Network Canopy for at least 2 projects each comprising consumer base of at-least 25000 consumers with two different customers in India or Global (Proof : Project Completion Certificates).
3. Bidder should have minimum annual average turnover of Rs. 70 Crores in last three financial years (Proof: Self-certified financial summary and Audited Balance Sheets).
4. Bidder should have Liquid Assets (LA) of more than Rs. 25 Crores (Proof: Self-certified financial summary and Audited Balance Sheets)
5. Bidder should have ISO 9001:2008, ISO 14001, ISO 27001 certifications. (Copy of the Certificates)
6. Bidder should have license/ legal/ statutory clearances as applicable for the offered solution and components from WPC/ Govt. bodies for operation in India. (Proof: Self-Certificate)
7. Bidder should be a SMART Meter manufacturing company, having registered office in India and should be operational in India since 01.04.2013 or before (Copy of Certificate of Incorporation and self-certificate for the Office in India).

SECTION-VI

SCOPE OF WORK & SERVICE LEVEL AGREEMENT

Broad level scope of work expected from the AMI solution Provider. However the exact volume of work will be as per the RFP floated by the state discoms for the SMART Grid System.

1. Supply of Smart meters with communication module as per the above mentioned BESCO SMART Grid Pilot Tender. Smart Meter should be 100% compliant as per the tender requirements.
2. Supply, design and commissioning of Network canopy for the AMI Infrastructure up-to Head End System.
3. Supply, design and Commissioning of Head End System
4. Support for Integration of the Head End System with Meter Data Management System as per the project requirement.
5. Post implementation support of the deployed system (Smart Meter to Head End System) to meet the service level requirements as per project need.
6. Technical Specifications of the AMI solution software and hardware should be 100% compliant as per the PROJECT RFP (and its amendment) issued by BESCO.
7. Bidder to meet 100% Service Level Agreement as per the
8. Project Engagement period will be as per the PROJECT RFP (and its amendment) issued by BESCO.
9. Bill of Material is as follows

Sl. No	Description	Unit	Quantity
1	Single phase whole current Smart Meter (5-30A)	Nos	22748
2	Single phase whole current Smart Meter (Net Meter)- (5-30A)	Nos	155
3	Three Phase whole current Smart meter (10-60A)	Nos	2599
4	Three Phase whole current Smart meter (Net meter) - (10-60A)	Nos	80
5	Three phase LT CT operated Smart meter (-/5A)	Nos	253
6	LT CT required for each smart meter in above item (4 nos.)	Set	253
7	Three phase LT CT operated Smart meter (Net meter)	Nos	15
8	LT CT required for each smart meter in above item (4 nos.)	Set	15
9	Three phase HT CT/PT operated Smart meter (With CT & PT)	Nos	121



POWER DISTRIBUTION

ISO 9001:2008, ISO 14001:2004

& OHSAS 18001:2007

Certified Company

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10	Specific Activities -		
11	Single phase whole current Smart Meter (5-30A) - Meters for Pre-paid function	Nos	18
12	Three Phase whole current Smart meter (10-60A) - Meters for Pre-paid function	Nos	30
13	Three phase LT CT operated Smart meter (-/5A) - Meters for Pre-paid function	Nos	2
14	LT CT required for each smart meter in above item	Set	2
15	Router based canopy type RF network inclusive of repeaters, routers, access points and any other associated equipment & accessories	Lot	1
16	Head End System software	Lot	1
19	Head End System Customization Services	No.	1
20	Head End System Annual Technical Support for 5 Years	Years	5
21	Support for HES Integration with MDM SYSTEM	Lot	1
22	Training on Smart Meter & Communication network (20 Trainees)	Days	3
23	Training on Head End System (20 Trainees)	Days	3
24	AMI field equipment: Design and engineering services	Lot	1
25	Material required for Installation of Router	Set	15
26	Material required for Installation of Collector	Set	8
27	Operation & Maintenance Services (Level 2) for AMI system from Smart Meter to HES	Year	5



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SECTION-VII

TENDER EVALUATION METHODOLOGY

OPENING OF EOI:

The Bidder or his authorized representative may be present at the time of opening of technical bid on the specified date.

In case of unscheduled holiday on the closing/opening day of bid, the next working day will be treated as scheduled prescribed day of closing/opening of bid; the time notified remaining the same.

EVALUATION OF EOI

Evaluation and comparison of bids will be done as per provisions of Pre-qualifying Criteria supporting documents as proof of pre-qualifying criteria at section – V.

The RECPDCL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order qualifying to which bids shall be summarily rejected.

Financial bid of the technically qualified bidder will only be opened and the date & time for the same will be intimated to each qualified bidder through email (within in a short notice). Further this exercise/tendering being pre-bid alliance with the AMI Solution Provider to participate in the BESCOM tender, so financial bid of each bidder will not be shared among the participants and shall be kept confidential till the completion of tendering process of the BESCOM. The bidder who quoted lowest rates as per the financial bid against this EoI will be chosen as the AMI Solution Provider and RECPDCL may participate with the same in the BESCOM tender on its sole discretion and all required documentation will be done before submission of the bid for BESCOM Tender. Such selected AMI solution provider will not participate with any other agency/PSU/company for the same BESCOM tender or individually violation of this shall lead to forfeit of EMD and Black Listing of the AMI solution provider.



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SECTION-VIII

FORM-I

Letter for Submission of Tender

(To be submitted as part of Technical Bid)

To,

Addl. Chief Executive Officer,
RECPDCL, 1016-1023, 10th Floor,
Devika Tower, Nehru Place, New Delhi-110019

Sub.: Engagement of AMI Solution Provider for BESCOSMART GRID Project

Sir,

1. With reference to your Tender No. ----- dated ----- for **AMI Solution for BESCOSMART GRID Pilot Project**, I wish to apply for engagement with RECPDCL as **“AMI Solution Provider for SMART Meters, Network and Associated Services”**

Further, I hereby certify that

I have read the provisions of the all clauses and confirm that notwithstanding anything stated elsewhere to the contrary, the stipulation of all clauses of Tender are acceptable to me and I have not taken any deviation to any clause.

2. I further confirm that any deviation to any clause of Tender found anywhere in my Bid, shall stand unconditionally withdrawn, without any cost implication whatsoever to the REC PDCL.
3. Our bid shall remain valid for period of 180 days from the last date of bid submission.

Date:

Place:

Signature

Full Name

Designation

Address

Note: In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.



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Form-II

PREQUALIFICATION CRITERIA DETAILS

(To be submitted as part of Technical Bid)

Engagement of AMI Solution Provider for BESCO SMART GRID Project

1. THE FIRM

2. Name

Regd. Address _____

Address of Office _____

a) Contact Person's

i) Name & Design. _____

ii) Address _____

iii) Tel No. Landline _____ Mobile _____

iv) Email ID _____

3. Type of Firm:

Private Ltd./ Public Ltd./ Cooperative/

(Please tick)

Partnership/ Proprietor

4. PAN _____

5. Service Tax Reg. No.: _____

6. E.M.D. Details

Rs. _____

DD/BG No. _____

Name & Address of Bank

Please upload duly signed copies by authorized signatory of documentary evidence e.g. work order, corresponding satisfactory job completion certificates from clients with amount of work order in support of above and any other document indicated in prequalifying criteria)

Signature.....

Full Name.....

Designation.....

Address.....



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FORM-III

Form-III (Financial Bid) (To be submitted as part of Financial Bid)	
Financial Bid (To be submitted through online mode only)	
RECPDCL/TECH/EOI/AMI Solution/e-Tender/2016-17/1434 Dated: 01.08.2016	
Engagement of AMI Solution Provider for BESCO SMART GRID Pilot project	
NAME OF THE COMPANY	

FORM III-A

**Form-III-A (Financial Sheet)
(To be submitted as part of Financial Bid)**

**Financial Sheet (To be submitted through online mode only)
PROFORMA OF SCHEDULE OF RATES**

Sl. No	Description	Unit	Quantity	Unit Rate (in Rs.)	Appl. Taxes per Unit (in Rs.)	Unit Price Inclusive Taxes (in Rs.)	Total Amount (in Rs.)
1	Single phase whole current Smart Meter (5-30A)	Nos	22748				
2	Single phase whole current Smart Meter (Net Meter)- (5-30A)	Nos	155				
3	Three Phase whole current Smart meter (10-60A)	Nos	2599				
4	Three Phase whole current Smart meter (Net meter) - (10-60A)	Nos	80				
5	Three phase LT CT operated Smart meter (-/5A)	Nos	253				
6	LT CT required for each smart meter in above item (4 nos.)	Set	253				
7	Three phase LT CT operated Smart meter (Net meter)	Nos	15				
8	LT CT required for each smart meter in above item (4 nos.)	Set	15				
9	Three phase HT CT/PT operated Smart meter (With CT & PT)	Nos	121				
	Specific Activities -						
10	Single phase whole current Smart Meter (5-30A) - Meters for Pre-paid function	Nos	18				
11	Three Phase whole current Smart meter (10-60A) - Meters for Pre-paid function	Nos	30				



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12	Three phase LT CT operated Smart meter (-/5A) - Meters for Pre-paid function	Nos	2				
13	LT CT required for each smart meter in above item	Set	2				
14	Router based canopy type RF network inclusive of repeaters, routers, access points and any other associated equipment & accessories	Lot	1				
15	Head End System software	Lot	1				
16	Head End System Customization Services	No.	1				
17	Head End System Annual Technical Support for 5 Years	Years	5				
18	Support for HES Integration with MDM SYSTEM	Lot	1				
19	Training on Smart Meter & Communication network (20 Trainees)	Days	3				
20	Training on Head End System (20 Trainees)	Days	3				
21	AMI field equipment: Design and engineering services	Lot	1				
22	Material required for Installation of Router	Set	15				
23	Material required for Installation of Collector	Set	8				
24	Operation & Maintenance Services (Level 2) for AMI system from Smart Meter to HES	Year	5				
Grand Total							

- The quoted rates must be inclusive of all taxes as applicable at the time of bidding.
- Bidders are to quote their rates strictly as per above format.
- RECPDCL reserves the right to increase the quantity (on same rate and terms and conditions) by 100% if required as per requirement of BESCO.



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FORM IV

FORMAT FOR NO-DEVIATION CERTIFICATE

(To be submitted as part of Technical Bid)

Unless specifically mentioned in this schedule, the tender shall be deemed to confirm the RECPDCL's EOI Terms and Conditions fully, BESCO Tender Terms & Conditions and Technical Specifications for all the AMI components, those will be part of scope of AMI solution Provider :

S. No.	Clause No.	Details of deviation with justifications
--------	------------	--

By signing this document we hereby withdraw all the deviations whatsoever taken anywhere in this bid document and comply to all the terms and conditions, technical specifications, scope of work etc. as mentioned in the standard document except those as mentioned above.

Seal of the Company:

Signature

Name

Note: In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.