



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

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) 43091506 Fax: (011) 24365815

NIT No: RECPDCL/OS/16-17/2925

Date: 09.12.2016

Notice Inviting Tender
(Bid Invited through e-Tendering mode only)
for

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services

REC Power Distribution Company Limited (RECPDCL)

(A wholly owned subsidiary of REC Ltd., a 'Navaratna CPSE'

Under Ministry of Power, Govt. of India)

CIN no. of RECPDCL: U40101DL2007GOI165779

Corporate office

10th Floor, 1016-1023,
Devika Tower, Nehru Place,
New Delhi-110019
Telephone: (011) 44128755
Fax: 011-44128768
Website: www.recpdcl.in

Description of task, e-tender submission format and procedure is provided in the tender document available on RECPDCL website (www.recpdcl.in), REC website (www.recindia.nic.in), e-tendering website (www.tenderwizard.com/REC), Central Public Procurement Portal www.eprocure.gov.in

Important Dates	
Date of Release of tender	09.12.2016
Pre Bid Meeting	16.12.2016 at 11:00 Hours
Last date of submission of Bid	26.12.2016 up to 15:00 Hours
Date of Opening of Technical Bids	26.12.2016 at 16:00 Hours
Date of Opening of Financial Bids	To be intimated later

Note: Online registration has to be done at e-tendering website i.e. www.tenderwizard.com/REC in general, activation of registration may take about maximum 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 purpose of engaging of Agencies against this tender and should not be transferred, reproduced or otherwise used for purposes other than specified/issued.]

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SECTION-I

TENDER INFORMATION

NAME OF ASSIGNMENT:

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services

Important Information

S. No.	Event	Date/ Information	
1	Date of Release of Tender	09.12.2016	
2	Date of Pre-Bid Meeting	16.12.2016 at 11:00 Hours	
3	Venue for Pre-Bid Meeting	REC Power Distribution Company Limited, 1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi-110019 Phone: 011- 44128755, Fax: 011-44128768, Email: co.delhi@recpdcl.in	
4	Last date of submission of Bid	26.12.2016 up to 15:00 Hours	
5	Date of Opening of Technical Bids	26.12.2016 at 16:00 Hours	
6	Date of Opening of Financial Bids	To be intimated later	
7	Bid document	The Bid document can be downloaded and viewed from any of the website: www.recpdcl.in (or) www.recindia.nic.in (or) www.eprocure.gov.in (or) www.tenderwizard.com/REC at free of cost.	
8	Earnest Money Deposit (EMD)	All participating bidders have to submit EMD in original amounting to Rs. 25000/- (Rupees Twenty Five Thousand only) in the form of Demand Draft (DD) in favour of REC Power Distribution Company Ltd. payable at New Delhi (or) in the form of Bank Guarantee (bid bank guarantee) from a scheduled bank as per format of Annexure-III.	
9	Validity of Bid	180 days from the last date of bid submission	
10	Address for Bid Submission	Shri S. C Garg, Addl. Chief Executive Officer, REC Power Distribution Company Limited, 1016-1023, 10th Floor, Devika Tower, Nehru Place New Delhi- 110019, India. Phone No : 011-44128752, Email- co.delhi@recpdcl.in	
11	Contact Person	Shri L.B. Nautiyal, DGM (Civil), RECPDCL Phone:011-44128751; Fax:011-44128768 Email- co.delhi@recpdcl.in	Shri Sunil Bisht, Dy. Manager (Tech.), RECPDCL Phone:011-44128760; Fax:011-44128768 Email- co.delhi@recpdcl.in

SECTION-II

PREFACE & INTENT

About the Company:

REC Power Distribution Company Limited (RECPDCL) is an ISO 9001:2008 (Quality Management System), ISO 14001:2004 (Environmental Management System), OHSAS 18001:2007(Occupational Health & Safety) Certified company and a wholly owned subsidiary of Rural Electrification Corporation Ltd. (REC), a "Navratna CPSE" under the Ministry of Power, Govt. of India.

Business Activities of RECPDCL:

RECPDCL is engaged in providing value added consultancy services in power sector arena covering Power Generation, Renewable Energy Sector and Energy Efficiency programs including Govt. of India's power schemes for power utilities across the country and various regulatory assignments with CERC/SERCs. It includes the project works under Rural Electrification, Project Management Consultancy (PMC) works, Detailed Project Report (DPR) preparation for R-APDRP/DDUGJY/RGGVY/NEF and other power project schemes, Third Party Inspection of DDUGJY/ RGGVY/other projects, Feeder Renovation Program, Feeder separation, HVDS program, Lender's Engineers assignment, IT related assignments in Distribution sector including Energy Audit, Evaluation study for HVDS/Distribution network, AT&C Loss assessment, System study, MRI based billing and Cost Book Data Preparation.

RECPDCL is also an Empaneled Government Agency with Ministry of New & Renewable Energy (MNRE), Govt. of India.

Intent:

In view of growing business needs, RECPDCL has acquired a new office space of 12,110 Sq. Ft. (Approx.) area at following address:

4th Floor, KRIBHCO Bhawan, A10, Sector-1, Noida (U.P.)-201301

RECPDCL intends for installation of central air-conditioning system with requirement of 14,000 CFM of air at the above mentioned office space and encourages participation of the agencies which are technically and professionally qualified & experienced in supply, installation, testing & commissioning of Direct Expansion (DX) Type Air Conditioning System including comprehensive on-site maintenance services as per Scope of Work detailed in Section-V of this tender document and are able to deliver the job in a time bound and efficient manner.

Note: Bidder may visit the site before quoting the rate to get better idea of location, work place etc. However, in any case, it will be assumed that bidder has visited the site and understood all site conditions, factors etc. for this work before submission of bid.

SECTION-III

INSTRUCTIONS TO BIDDING AGENCIES

SUBMISSION PROCESS OF BID DOCUMENTS:

A. Downloading & viewing of tender Document:

Bidders can download and view tender document from RECPDCL web site www.recpdcl.in (or) e-tender website www.tenderwizard.com/REC (or) REC website www.recindia.nic.in (or) Central Public Procurement Portal www.eprocure.gov.in at free of cost.

B. Participation through e-Bid Submission:

Bidders shall submit their bid documents online through website www.tenderwizard.com/REC

- 1) In order to participate in e-Bid submission, it is mandatory for agencies to have log-in User ID and Password. For this purpose, the agency has to register with REC PDCL through tender Wizard website as per procedure given below.

Steps for Online Registration:

- (i) Go to website <https://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) System will provide / confirmation with Login ID and Password

Note:

- While accessing tenderwizard.com website, please type 'REC' in capital letters only to get access of e-tender portal.
 - Activation of On-Line registration may take about maximum 24 hours. It is the responsibility of the bidder to register in advance.
- 2) Please note that the agencies have to obtain digital signature token for applying the bid. Bidders may also obtain the same from Tender Wizard.

Steps for applying for Digital Signature from Tender Wizard:

Download the Application Form from the website <https://www.tenderwizard.com/REC>. Follow the instructions as provided therein. In case of any assistance you may contact RECPDCL officials whose address is given in this tender document.

C. Submission of Bid Documents:

Submission of bids will be through online e-tendering mode only from www.tenderwizard.com/REC website.

Agencies should upload bid documents (scanned copies) as mentioned below. Online submission of bid documents is mandatory.

- 1) **Letter for Submission of Bid** has to be submitted on Company's letterhead duly signed and stamped as per format of **Annexure-I**. This is mandatory document for submission.
- 2) **Bidder's General Details** has to be submitted on Company's letterhead duly signed and stamped as per format of **Annexure-II**.

- 3) Undertaking towards not being black-listed has to be submitted duly signed and stamped as per format of **Annexure-III**.
- 4) **Earnest Money Deposit (EMD)** amounting to Rs. 25000/- (Rupees Twenty Five Thousand only) has to be deposited in the form of Demand Draft (DD) in favour of 'REC Power Distribution Company Ltd.' payable at New Delhi (or) in the form of Bank Guarantee (Bid Bank Guarantee) from a scheduled bank as per format **Annexure-IV**. Scanned copy of DD or BG has to be uploaded and **original of DD or BG has to be submitted before last date & time of submission of bid**. Exemption for payment of EMD amount will be given to Micro, Small & Medium Enterprises (MSMEs) registered with National Small Industries Corporation Ltd. (NSIC). However, relevant valid document/ Certificate from NSIC or Ministry of MSMEs, Govt. of India is required to be submitted without which bidders are not entitled for exemption.
- 5) **Acceptance form for participation in reverse auction event** has to be submitted duly signed and stamped as per format of **Annexure-VI**.
- 6) **Technical Bid** has to be submitted **through online** mode as per format of **Annexure-VII** by specifying Specification, Make, Model, unit, quantity of all bill of items that will be used in the project.
- 7) **Comprehensive On-site Maintenance Schedule** has to be submitted **through online** mode as per format of **Annexure-VIII** by specifying preventive & break-down maintenance schedule, resources and spares requirement etc. for the system.
- 8) **Financial Bid** has to be submitted **through online** mode as per format of **Annexure-IX**.
- 9) **Complete set of the Bid document** duly signed and stamped on each page has to be submitted as token of acceptance of its contents.

Note:

- All the documents which are to be submitted in original, shall be kept in an envelope with subject mentioning "Bid Documents for Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at Noida including Comprehensive On-Site Maintenance Services" on the top of envelope and addressing to:

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

- In case sealed Financial Bid is submitted in hard copy, it will be returned to the bidder unopened at the time of opening of bids.

SECTION-IV

ELIGIBILITY CRITERIA

S. No.	Minimum Qualification Criteria	Documents Required
1	Bidder should either be a company incorporated under Companies Act, 1956 Or A Proprietor Firm as per prevailing laws of Govt. of India. Or/and Bidder should be authorized service provider of reputed OEM.	In case of company, Certificate of Incorporation issued under Indian Companies Act 1956 from Registrar of Companies to be submitted. In case of Proprietor Firm, relevant document of registration is to be submitted. Service provider document/relevant document issued by concern OEM to be submitted. In addition to above PAN details and applicable VAT/ Service Tax number also be submitted.
2	Bidder's average annual turnover for last three financial years (FY 2015-16, 2014-15, 2013-14) should be at least Rs. 17.50 Lakhs. If balance sheet for FY 2015-16 is unaudited, in such case, balance sheet for FY 2012-13 may be considered.	Audited balance sheet of last three FY 2015-16, 2014-15, 2013-14 is to be submitted with summary as cover page on company's letterhead.
3	Bidder should have successfully executed similar work(s) in India for any Central/ State Government/ Semi Government/ Public Sector Undertaking/ Large Corporate/ MNC (Such Large Corporate/ MNC should have turnover more than Rs. 100 crores) during last seven years, having minimum contract value as below: Single work of minimum Rs. 20.0 Lakhs OR Two works of minimum Rs. 12.50 Lakhs OR Three works of minimum Rs. 10.0 Lakhs	Bidder should submit copy of Work Order(s) (mandatory) and any one document from list below: (i) Payment receipts (ii) Proof of release of performance security after completion of the contract (iii) Proof of settlement/release of final payment against the contract (iv) Certificate for successful completion of work/ Performance report by the client.
4	Bidder should not be blacklisted by any Central/ State Government/ Semi Government/ Public Sector Undertaking.	Bidder should submit an undertaking in this regard as per format of Annexure-III.

Note: In case bidder is submitting work order released by Large Corporate/ MNC, bidder shall also submit audited balance sheet/Annual Report/CA Certificate of such Large Corporate/MNC indicating required turnover. RECPDCL reserves right to cross verify said turnover through website of Ministry of Corporate Affairs or any other reliable sources available in public domain.

SECTION-V

DETAILED SCOPE OF WORK & CONDITIONS OF CONTRACT

A. Detailed scope of work for the bidder but not limited to following includes:

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services.

Work involves the following major activities:

1. Bidder shall prepare and submit design/drawings and Bill of Quantity of the Direct Expansion (DX) Type Air-Conditioning System.
2. All BOQ items/materials should be brand new, unused, of good quality and standard make, details mentioned under Section-VI of this tender.
3. Bill of material shall include all essential equipments/parts/materials for successful installation & commissioning and smooth running of Air-Conditioning System. Bidder shall ensure retrofitting/compatibility of all BOQ items of different make with each other before submitting the bid and same shall be ensured for successful installation & commissioning.
4. Bidder shall supply all parts/materials of Direct Expansion (DX) Type Air-Conditioning System at site which comprises of Air Handling Unit (1 No.), Air-other Cooled Condensing Units (3 x 11 TR Capacity) and other accessories.
5. Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System.
6. Preparation of foundation for Air Handling Unit(AHU) will be in bidder's scope including all associated civil works.
7. All installation works should comply Technical Specifications as mentioned in Section-VI.
8. Air-conditioning system shall be able to maintain temperature between 18°C to 24°C (Cooling Mode) and 24°C to 28°C (Heating Mode) as per manual temperature setting through controller.
9. Complete Air-Conditioning System shall be covered under comprehensive warranty for a period of one year from the date of commissioning and handover.
10. Bidder shall arrange for all goods and services including spares required during comprehensive on-site maintenance period of 5 years from date of commissioning and handover.
11. The Bidder has to take all permits, approvals, licenses, insurance etc., provide training and such other items & services required to complete the scope of work mentioned above.
12. Bidder shall submit Technical Manual, User Manual and O&M (Operation & Maintenance) Manual of the Air-Conditioning System at the time of handing over of air-conditioning system.
13. Broad scope of activities during comprehensive on-site maintenance up to 5 years from date of commissioning & handover is specified at Clause No. 16 of this section.
14. Bidder shall provide in-house training to the nominated persons for O&M and monitoring activities of the Air-conditioning System, as required.

15. Any other works though not specifically mentioned but are required to finish the work in all respects for its safe, reliable, efficient and trouble free operation shall also be included and the same shall be supplied and installed by the bidder without any extra cost.
16. **Cleanup:** Bidder shall dispose off all the Malba generated from day to day execution of the work on daily basis and before submission of final bill, cost of which is assumed to be included in the item rates quoted and in the event of his failure to do so, the same may be removed by the RECPDCL at the expense of the Contractor within 15 days from the date of commissioning. The cost on account of clean up shall be included in the quoted rate and no additional claim shall be entertained.
17. **Scope of Comprehensive On-site Maintenance Activities:**
 - a. Preventive maintenance of Complete Air-Conditioning System on quarterly basis or as per schedule defined by OEM of the equipment.
 - b. Supply and replacement/repairing of defective/faulty parts at no additional cost.
 - c. All minor defects such as failure of temp. controller etc., if any, shall be attended on immediate basis but in no case such defect should prolong for more than 4 hours.
 - d. All major defects such as failure of blower motor, compressor etc., if any, shall be attended on immediate basis but in no case such defect should prolong for more than 36 hours.
 - e. Bidder shall designate a Nodal Officer for Comprehensive On-Site Maintenance Period and provide his contact details. Bidder should not replace the maintenance staff without informing RECPDCL.

B. Conditions of Contract:

1. **Work Completion Period:** Work completion period for Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at Noida is 45 days from the date of LOA.
2. **Insurance:** The bidder shall be responsible and take an Insurance Policy for transit-cum-storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, installation, testing, commissioning and associated warranty. The bidder shall also take appropriate insurance during Comprehensive On-site Maintenance period of 5 years from date of commissioning and handover. The bidder shall also take insurance for Third Party Liability covering loss of human life, engineers & workmen and also covering the risks of damage to the third party/ material/ equipment/ properties during execution of the contract. Before commencement of the work, the bidder will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.
3. **Warrantees and Guarantees:** The Bidder shall warrant that the goods supplied under this contract are new, unused, of the most recent or latest technology and incorporate all recent improvements in design and materials. Complete Air-Conditioning System shall be covered under comprehensive warranty for a period of one year from the date of commissioning. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended on immediate basis but in no case any defect should prolong for more than 48 hours. The comprehensive warranty includes onsite warranty with parts.
4. **Type & Quality of Materials and Workmanship:** The design, engineering, manufacture, supply, installation, testing and performance of the equipment shall be in accordance with latest

appropriate IEC/Indian Standards. The specifications of the components should meet the technical specifications mentioned in **Section-VI**. Any supplies which have not been specifically mentioned in this contract but which are necessary for successful & smooth running of the Air-Conditioning System shall be provided by the bidder without any extra cost and within the time schedule.

- 5. Comprehensive On-site Maintenance:** The bidder shall provide comprehensive on-site maintenance services for a period of 5 years from date of commissioning and handover. During this period, the bidder shall be responsible for supply of all spare parts as required from time to time for scheduled and preventive maintenance, major overhauling of the system, replacement of defective parts free of cost and complaint logging & its attending at priority.

- 6. Coordination & Progress Report:** Bidder shall inform the name, address, contact number of the Nodal Officer(s), assigned by the agency to execute the work, who will report about their daily progress & performance of the assignment. In case, absence of any information is adversely affecting the progress of work, the issue could be escalated to Addl. CEO, RECPDCL. Bidder shall submit the progress report daily/ weekly to RECPDCL in Prescribed Proforma as desired. RECPDCL will have the right to depute its representatives to ascertain the progress of contract at the premises of works of the bidder or at site.

- 7. Project Inspection/PDI:** The work will be inspected for quality at any time during commissioning or after the completion of work either by officer(s) from RECPDCL or any authorized agency/ experts. RECPDCL may also conduct the pre dispatch inspection of major items like (compressor, AHU etc.) at manufacturer premises by RECPDCL itself or by third party.

Note: Scope & nature of work is indicative only; however, RECPDCL reserves the right to add/delete items.

SECTION-VI

BILL OF QUANTITY & TECHNICAL SPECIFICATIONS

The Bill of Quantity (BOQ) and technical specifications for Direct Expansion (DX) Type Air-Conditioning System are given below:

S. No.	Description and Technical Specification	Unit	Quantity
1	Supply, installation, testing & commissioning of reputed make Air-cooled 11 TR Capacity Condensing units with scroll compressor, copper condenser coil, microprocessor controlled, gas charge, suction and liquid line valve set with safety LP/HP, all electrical control like single phasing, phase reverse, phase imbalance, overheating, overcurrent etc. enclosed in IP-55 cabinet assembly with weather resistant painting/powder coating. Make: Carrier/Daikin/Voltas or Equivalent/Higher Quality	No.	3
2	Supply, installation, testing & commissioning of double skin modular construction, draw through sectional, 14000 CFM rated Air Handling Unit of static pressure 50MM with 0.6 mm thick plain GSS from inside and 0.6 mm thick pre-plasticized GSS from outside. AHU shall be complete with DIDW Forward / Backward curved centrifugal fan, squirrel cage induction motor, cooling coil 6 row deep with distributor (Copper tubes and Aluminum fins 12-13 fins/inch), pre-filter (Washable synthetic fibre of efficiency 90% down to 10 micron), Filter frame Flange type, drain pan, V belt drive, fireproof double canvass connection and other accessories such as Marine light, door limit switch, belt guard etc. Motor shall be suitable for 415 ± 10% volts, 50 Hz, 3-Phase AC supply. Make: Zeco/Edgetech or Equivalent/Higher Quality	No.	1
3	Supply & installation of heating arrangement in AHU with strip heaters of suitable capacity as per system requirement.	Set	1
4	Supply, installation, testing & commissioning of control panel for AHU & Outdoor Condensing Units to control the temperature by digital temperature controller with heating, cooling and fan modes. It should work in auto as well as manual mode i.e. condensing units (outdoor) and strip heaters must be ON/OFF automatically as per temperature setting and manually as well. Make: L&T/Siemens or Equivalent/Higher Quality	No.	3
5	Expansion Valve (11 TR) Make: Danfos/Sporlan or Equivalent/Higher Quality	No.	3
6	Drain Connection near Drain Point with CPVC Pipe	Lump sum	As per site requirement
7	Electrical control and power wiring from Panel to AHU and Condensing Unit Make: Polycab/KEI Cables or Equivalent/ Higher Quality	Lump sum	As per site requirement
8	Refrigerant Pipe as per system requirement and industry practices	Lump sum	As per site requirement

9	Outdoor seismic proof galvanized steel powder coated base frame for mounting of Condensing Unit.	No.	3
10	Concrete block (Foundation) for AHU as per as per system requirement and industry practices	Set	1
11	Vibration absorbing pads for AHU as per as per system requirement and industry practices	Set	1

Note:

1. All items mentioned above should be brand new, unused, of good quality and standard make, details mentioned under Section-VI of this tender.
2. Any other works though not specifically mentioned above but are required to finish the work in all respects for its safe, reliable, efficient and trouble free operation shall also be included and the same shall be supplied and installed by the bidder without any extra cost.

SECTION-VII

GENERAL CONDITIONS OF BID

1. Each bidder should submit **ONLY SINGLE** bid.
2. Consortium/ Joint Venture Firm are not allowed to participate in this tender.
3. The bidder shall ensure that deputed personnel are trained and experienced for jobs as defined in scope of work for ensuring the high quality and correctness of jobs and to be carried out in a highly professional, safe, and sound managerial manner.
4. RECPDCL reserves the right to accept or reject any or all Bid requests without assigning any reason. RECPDCL reserves the right to waive off any shortfalls; accept the whole, accept part of or reject any or all responses to this tender.
5. RECPDCL reserves the right to cancel the Bid at any stage and call for fresh tender.
6. RECPDCL reserves the right to modify, expand, restrict, scrap, re-float the tender without assigning any reason for the same.
7. The responder shall bear all costs associated with the preparation and submission of its Bid and RECPDCL will in no case be responsible or liable for these costs, regardless of the conduct or the outcome of the tender process.
8. RECPDCL reserves the right to withdraw the work & get it completed at the risk & cost of the agency, if performance of the agency is unsatisfactory, to whom work has been awarded. Further, the said agency may be black-listed for a period of one year or more for participating in any of the bids invited by RECPDCL. Also, RECPDCL would be free to intimate such black-listing to various state/central utilities/ Ministry of Power/ State Governments/ Other agencies not to consider the said agency for any assignment including of the same on websites.
9. RECPDCL reserves the right to conduct reverse auction.
10. Bidder has to specify Make, Model, Specification, unit and quantity of all Bill of Material (BOM) items and components in Technical Bid format.
11. All components of Bill of Material (BOM) should be as per latest IS/IEC standard as applicable. Relevant documents shall be submitted to RECPDCL in this regard.
12. In case of supply of any defect material or substandard material, the materials will be rejected & it will be the responsibility of the vendor for taking back & replacing the rejected materials at their own cost.
13. The supplied materials should be strictly as per specifications mentioned in the tender, otherwise the material would be liable for rejection.
14. Validity of Bid shall be 180 days from the last date of bid submission.
15. The bidders are required to furnish their offers in the price bid in both words & figures, so that in case of any confusion, the offer given in words would be accepted as final.
16. No price escalation is applicable on account of any statutory payments increase or fresh imposition of custom duty, excise duty, sales tax or duty leviable in respect of the major components of the system.
17. EMDs received late due to any reason including postal delay will not be considered.
18. Bidder's quoted rates should be firm and fixed. No price variation and escalation will be allowed.
19. Bids must be submitted in English language only.
20. Incomplete, telegraphic or conditional tenders are not accepted.
21. Canvassing in any manner is strictly prohibited. The same will lead to rejection of the submitted bid.

22. If due to any reason, the due date is declared as a holiday, the tender will be opened on next working day at the same time.
23. The bidders shall quote reasonable price for items under (A) and (B) of financial bid (Annexure-IX). Bidders quoting abnormally low/high price specifically for comprehensive on-site maintenance services may be rejected from consideration during financial bid analysis.
24. The Bids with validity of less than 180 days from the last date of bid submission shall not be considered. The validity can be further extended as per requirement of RECPDCL.
25. Any or all Bids may be rejected or accepted partially or fully without assigning any reason thereof by Chief Executive Officer, RECPDCL.
26. Bidders are requested to watch out RECPDCL website for change of events/additional information from time to time.

SECTION-VIII

BID EVALUATION METHODOLOGY

OPENING OF TECHNICAL BID:

Opening of technical bids will be through online mode only.

1. Bidders have to submit documents as per Section-III, Clause-C (Submission of Bid Documents).
2. Bids duly submitted, will be opened on the date and time indicated in this document in the presence of bidders or their authorized representatives who desire to present.
3. If due date of receipt / opening of bids happens to be a closed holiday, the bids would be received and opened on the next working day.
4. REC PDCL reserves the right to postpone and/or extend the date of receipt/opening of Bids or to withdraw the Tender notice, without assigning any reason thereof. In any such cases, the bidders shall not be entitled to any form of compensation from the Company.
5. RECPDCL will scrutinize the technical bid documents submitted by the bidders and shortlist the bidders who qualify based on Eligibility Criteria, Technical Specifications, Terms and Conditions of this tender document.

OPENING AND EVALUATION OF FINANCIAL BID:

Opening of financial bids will be through online mode only.

1. Financial Bids of technically qualified bidders will be opened as per scheduled date & time in the presence of bidders or their authorized representatives who desire to be present.
2. Price Bids (Financial Bids) of Bidders whose EMDs received in original (DD or BG) within due date/time will only be opened. Rest of the Financial bids without submission of requisite EMDs in original (DD or BG) within due date/time will not be opened.
3. If due date of opening of Financial Bids happens to be a closed holiday, the bids would be received and opened on the next working day.
4. REC PDCL reserves the right to postpone and/or extend the date of receipt/opening of Financial Bids or to withdraw the tender notice, without assigning any reason thereof. In any such cases, the bidders shall not be entitled to any form of compensation from the Company.
5. Bidders have to quote as per financial bid format (Annexure-IX) indicating all taxes & duties. Financial bids will be evaluated based on total price quoted including Supply, Installation, Testing and Commissioning of DX Type Air conditioning system with 5 years' comprehensive on-site maintenance services and all taxes & duties.
RECPDCL also reserves right to conduct reverse auction as per Clause No. 9 of Section-VII at its sole discretion, if required.

SECTION-IX

COMMERCIAL TERMS, CONDITIONS & OTHER PROVISIONS

1. RATE:

- 1.1** Bidders have to quote as per financial bid format (Annexure-IX) indicating all taxes & duties. Financial bids will be evaluated based on total price quoted including Supply, Installation, Testing and Commissioning of DX Type Air conditioning system with 5 years' comprehensive on-site maintenance services and all taxes & duties. At the time of release of payment to the bidder, TDS/WCT/Labour cess will be deducted as the case may be.
- 1.2** If it is found that the tax quoted is higher than the applicable tax, in that case applicable taxes will only be paid by RECPDCL and if the tax quoted is lower than the applicable tax, in that case only the quoted taxes will be paid by the RECPDCL.
- 1.3** In case of implementation of GST/New taxation policy etc. such taxes will be payable as per prevailing laws.
- 1.4** Rate quoted by the bidder shall remain firm & fixed and shall be binding on the Successful Bidder till completion of work irrespective of actual cost of execution of the project.
- 1.5** No escalation in rate quoted by the bidder will be granted on any reason whatsoever. The bidder shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.
- 1.6** The offer must be kept valid for a period of 180 days from the last date of bid submission. No escalation clause would be accepted. The validity can be further extended as per requirement of RECPDCL.

2. PAYMENT TERMS:

2.1 For Supply, Installation, Testing and Commissioning of DX Type Air conditioning system:

- a. **30% of approved rate for Supply, Installation, Testing and Commissioning of DX Type Air conditioning system** will be disbursed after the delivery of all the major materials at site mentioned in the BOM for awarded work.
- b. **50% of approved rate for Supply, Installation, Testing and Commissioning of DX Type Air conditioning system** will be disbursed after successful installation & commissioning of complete Air-Conditioning System as per specifications and handover of the same to RECPDCL.
- c. **10% of approved rate for Supply, Installation, Testing and Commissioning of DX Type Air conditioning system** will be disbursed after one month's successful operation of the system after commissioning.
- d. **10% of approved rate for Supply, Installation, Testing and Commissioning of DX Type Air conditioning system** will be disbursed after successful expiry of warranty period of one year from the date of commissioning of the system.

2.2 For comprehensive on-site maintenance services:

- a. Payment towards comprehensive on-site maintenance services will be disbursed on quarterly basis in 20 equal installments (i.e. 5% of approved rate for comprehensive on-site

maintenance services) spread over 5 years subject to successfully delivering maintenance services.

- b. RECPDCL at its sole discretion may discontinue availing Comprehensive On-Site Maintenance Services at any time by giving one month's notice. No payment towards Comprehensive On-Site Maintenance Services for the remaining period shall be made in such case.

3. EARNEST MONEY DEPOSIT (EMD):

- 3.1** The Bidder shall furnish Earnest Money Deposit in original @ Rs. 25,000 (Rupees Twenty Five Thousand only) in the form of Demand Draft/ Bank Guarantee (BG) from a scheduled bank (as per Annexure-IV) drawn in favour of REC Power Distribution Company Ltd.' payable at New Delhi.
- 3.2** In case of inadequacy or non-submission of EMD amount, the tender shall be deemed to be disqualified and summarily rejected in the technical evaluation.
- 3.3** The initial validity of EMD shall be for a period of 180 days from the last date of bid submission. The validity of EMD shall have to be suitably extended, if necessary, as per requirement of RECPDCL, without which the tender /work order shall be rejected.
- 3.4** Request for adjustment of Earnest Money Deposit against any previous dues with RECPDCL will not be considered.
- 3.5** EMD will be refunded to the unsuccessful bidders within 30 days after finalization of the tender without any interest.
- 3.6** EMD of successful bidder will be returned after acceptance of work order and submission of required Performance Bank Guarantee (PBG) within 10 days from the date of LOA.
- 3.7** Exemption for payment of EMD amount will be given to Micro, Small & Medium Enterprises (MSMEs) registered with National Small Industries Corporation Ltd. (NSIC). However, relevant valid document/ Certificate from NSIC or Ministry of MSMEs need to be submitted without which bidders are not entitled for any kind of exemption.
- 3.8** The Bid Bond shall be forfeited without prejudice to the Bidder being liable for any further consequential loss or damage incurred to RECPDCL under following circumstances:
 - a. Hundred percent (100%) of EMD amount, if a Bidder withdraws/revokes or cancels or unilaterally varies his bid in any manner during the period of Bid Validity specified in the tender document.
 - b. Hundred percent (100%) of EMD amount, if the Successful Bidder fails to unconditionally accept LOA within 5 days from the date of its issue.
 - c. Hundred percent (100%) of EMD amount, if the Successful Bidder fails to furnish the Performance Bank Guarantee as specified in the tender document.

4. PERFORMANCE BANK GUARANTEE (PBG):

- 4.1** Within 10 days from the date of issue of LOA, successful bidder must deposit Performance Bank Guarantee (PBG) fees @ **10%** of the total contract value to RECPDCL as per format Annexure-V with validity till completion of comprehensive on-site maintenance period (i.e. work completion period plus 5 years from the date of commissioning plus three months' claim period).
- 4.2** The said PBG will be refunded after the completion of comprehensive on-site maintenance period, subject to satisfactory performance of the air-conditioning system.
- 4.3** The PBG shall be forfeited as follows without prejudice to the Bidder being liable for any further consequential loss or damage incurred to RECPDCL:
 - a. Hundred percent (100%) PBG amount furnished, if the Successful Bidder fails to commission the air-conditioning system as per scope of work and to the satisfaction of RECPDCL.

- b. Hundred percent (100%) PBG amount furnished, if comprehensive on-site maintenance activities are not carried out as specified in the tender document for successful operation of the air-conditioning system.
 - c. In all the above cases corresponding uncompleted work shall stand cancelled.
- 5. **DELIVERY:** All materials must be delivered to the project site suitably so as to complete the work within schedule as mentioned in **Section-V** Clause No. B (1). Supply & installation of material and billing shall also be done at following address:
4th Floor, KRIBHCO Bhawan, A10, Sector-1, Noida (U.P.)-201301
- 6. **QUANTITY:** The quantity / capacity mentioned in the tender might either increase or decrease according to the requirement.
- 7. **LIQUIDATED DAMAGES:** For the delay in supply, installation, testing and commissioning of complete DX type air-conditioning system, the liquidity damage @ 1% of the contract value per week or part thereof subject to the maximum of 10% of the contract value shall be deducted from the bill of the contractor.
- 8. **PENALTY APPLICABLE DURING COMPREHENSIVE ON-SITE MAINTENANCE PERIOD:** All major & minor defects in DX type air conditioning system during comprehensive on-site maintenance period shall be rectified within permissible time as specified in Section-V, Clause No. A(16). Failing which, penalty @ Rs. 1000 per day will be imposed and deducted from bill of comprehensive on-site maintenance services, for the period, DX type air conditioning system remains non-functioning. In case of repetitive occurrence of such failures, RECPDCL reserves right to terminate the contract, get the work done at the risk & cost of the bidder and may also forfeit PBG at its sole discretion.
- 9. **STATUTORY CLEARANCES:** Statutory clearances, if any (such as environmental clearance, pollution certificate, fire hazards etc. as per industry practices/applicable law as per Govt. of India and state Govt.), to install DX-type air conditioning system within the office premises at the location specified by RECPDCL will be done by the contractor including any measures such as providing fire extinguishers etc. at location and no extra cost will be paid in this regard. Further, in the event of any issue relating to statutory clearances or any violations arises during the contract period will be settled by the contractor and any expenditures/cost/penalty etc. arises therein will be borne by the contractor itself. RECPDCL is not liable to pay for any claim made by the contractor to obtain statutory clearances and for any claim made by the contractor to settle statutory clearances issue at any point of time during the contract period. RECPDCL reserves the right to conduct the safety audit at any time by any designated official of RECPDCL or Third party inspector during the contract period, if the safety practices are not found satisfactory during their visit, suitable action will be taken against the contractor along with penalty & the same may be deducted from the quarterly payment or any other payment due or from their PBG. Contractor has to follow suggestions (if any) being provided by the safety audit team.
- 10. **FORCE MAJEURE:** Force majeure shall mean any cause, existing or future, which is beyond the reasonable control of Bidder or RECPDCL including, but not limited to, acts of God, storm, fire, floods, explosion, epidemics, quarantine, earthquake, strike, riot, lock out, embargo, interference by civil or

military authorities, acts, regulations or orders of any governmental authority in their sovereign capacity, acts of war (declared or undeclared) including any acts of terrorism, and all other such acts of similar or analogous nature (where all such acts to be collectively referred to as "Force Majeure"). RECPDCL and Bidder shall not be liable for the failure to perform any obligation in terms of this Proposal if and to such extent such failure is caused by a Force Majeure, provided that none of such acts of Force Majeure will relieve the Customer from meeting its payment obligations.

11. SUCCESORS & ASSIGNS: In case RECPDCL or successful bidder may undergo any merger or amalgamation or a scheme of arrangement or similar re-organization & this contract is assigned to any entity (ies) partly or wholly, the contract shall be binding mutatis mutandis upon the successor entities & shall continue to remain valid with respect to obligation of the successor entities.

12. DISPUTES RESOLUTION & ARBITRATION:

12.1 Disputes under the agreement shall be settled by mutual discussion.

12.2 However, in the event amicable resolution or settlement is not reached between the parties, the differences of disputes shall be referred to and settled by the Sole Arbitrator to be appointed by Chairman, REC PDCL.

12.3 The arbitration proceedings shall be in accordance with the prevailing Arbitration and Conciliation Act, 1996 and Laws of India as amended or enacted from time to time.

12.4 The venue of the arbitration shall be New Delhi, India.

12.5 The fee & other charges of Arbitrator shall be shared equally between the parties.

12.6 The Arbitrator will give the speaking & reasoned award. The party will not be entitled to any Pendent late interest during arbitration proceedings.

I/We have carefully read and understood the above terms and conditions of the tender and agree to abide by them.

(SIGNATURE OF BIDDER WITH SEAL)

Date:

Designation:

Name:

LETTER FOR SUBMISSION OF BID
(To be submitted on Company's letterhead duly signed)

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

Sub.: Engagement of Service Agency

Dear Sir,

We wish to submit bid against RECPDCL's NIT No: RECPDCL/OS/16-17/..... dated:for " Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services" as per the requirements of RECPDCL.

Further, I hereby certify that:

1. I have read the provisions of 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 RECPDCL.
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.

BIDDER'S GENERAL DETAILS

(To be submitted on Company's letterhead duly signed)

NIT No: RECPDCL/OS/16-17/2925 Dated 09.12.2016

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services.

GENERAL DETAILS

1. Name of Company: _____

2. Year of Incorporation: _____

3. Name of Authorized Person: _____

4. Regd. Address:

a) Address of Office: _____

b) Contact Person's

i. Name & Designation: _____

ii. Address: _____

iii. Tel. No. (Landline& Mobile): _____

iv. Email ID : _____

5. Type of Firm (Please tick): Private Ltd./ Public Ltd./ LLP/ Joint Venture Company

6. Permanent Account Number: _____

7. Service Tax Reg. Certificate No.: _____

8. EMD Details : Rs. _____

DD No. _____

Name & Address of Bank: _____

Signature.....

Full Name.....

Designation.....

Address.....

UNDERTAKING TOWARDS NOT BEING BLACK-LISTED

I, _____ Authorized Signatory of M/s _____ hereby give undertaking that we, as a company are not black-listed by any Central/ State Government/ Semi-Government Organization/ Public Sector Undertaking/ Private Institution in India.

Further, if information furnished above stands false at any stage, we shall be completely liable for actions taken by RECPDCL as per terms & conditions of the tender including disqualification and exclusion from future contracts/assignments.

(Signature of Authorized Signatory)

Name*:

Designation*:

Seal:

BID BANK GUARANTEE (EARNEST MONEY DEPOSIT) FORMAT

This deed of Guarantee made this day of 2016 by
 **(Name of the Bank)** having one its branch at
 acting through its Manager (hereinafter called the "Bank") which
 expression shall wherever the context so requires includes its successors and permitted assigns in favour
 of REC Power Distribution Company Ltd., registered under the Companies Act, 1956, having its office at
1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi -110019 (hereinafter called "RECPDCL")
 which expression shall include its successors and assigns.

WHEREAS RECPDCL has invited tender vide their Tender Notice No:
 Dated to be opened on
 AND WHEREAS M/s
 **(Name of Tenderer)** having its office at
 (hereinafter called the "Tenderer"), has/have
 in response to aforesaid tender notice offered to supply/ do the job of **Supply, Installation, Testing &
 Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL
 at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services** as contained in the
 tender.

AND WHEREAS the Tender is required to furnish to RECPDCL a Bank Guarantee for a sum of ₹ /-
 (Rupees..... only) as Earnest Money for participation in the Tender
 aforesaid.

AND WHEREAS, we
 **(Name of Bank)** have at the request of the tender agree to give RECPDCL this as
 hereinafter contained.

NOW, THEREFORE, in consideration of the promises we, the undersigned, hereby covenant that, the
 aforesaid Tender shall remain open for acceptance by RECPDCL during the period of validity as mentioned
 in the Tender or any extension thereof as RECPDCL and the Tender may subsequently agree and if the
 Tender for any reason back out, whether expressly or impliedly, from his said Tender during the period of
 its validity or any extension thereof as aforesaid or fail to furnish Bank Guarantee for performance as per
 terms of the aforesaid Tender, we hereby undertake to pay RECPDCL, New Delhi on demand without
 demur to the extent of ₹ /- (Rupees only).

We further agree as follows:

1. That RECPDCL may without affecting this guarantee extend the period of validity of the said Tender or
 grant other indulgence to or negotiate further with the Tender in regard to the conditions contained in
 the said tender or thereby modify these conditions or add thereto any further conditions as may be

mutually agreed to in between RECPDCL and the Tender AND the said Bank shall not be released from its liability under these presents by an exercise by RECPDCL of its liberty with reference to the matters aforesaid or by reason of time being given to the Tender or any other forbearance, act or omission on the part of the RECPDCL or any indulgence by RECPDCL to the said Tender or any other matter or thing whatsoever.

2. The Bank hereby waive all rights at any time in consistent with the terms of this Guarantee and the obligations of the Bank in terms thereof shall not be otherwise affected or suspended by reason of any dispute or dispute having been raised by the Tender (whether or not pending before any arbitrator, tribunal or court) or any denial of liability by the Tender stopping or preventing or purporting to stop or prevent any payment by the Bank to RECPDCL in terms thereof.

3. We the said Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of RECPDCL in writhing and agree that any charges in the constitution, winding up, dissolution or insolvency of the Tender, the said Bank shall not be discharged from their liability.

NOTWITHSTADING anything contained above, the liability of the Bank in respect of this Guarantee is restricted to the said sum of ₹ /- (Rupees only).and this Guarantee shall remain in force till unless a claim under this guarantee is filed with the bank within 30 (thirty) days from this date or the extended date, as the case may be i.e. up to all rights under Guarantee shall lapse and the Bank be discharged from all liabilities hereunder.

In witness whereof the Bank has subscribed and set its name and seal here under.

Note: The date shall be thirty (30) days after the last date for which the bid is valid.

PERFORMANCE BANK GUARANTEE (PBG) FORMAT

M/s REC Power Distribution Company Ltd.,
 Core-4, Scope Complex, Lodhi Road,
 New Delhi — 110003 (INDIA)
 (With due stamp duty if applicable)

OUR LETTER OF GUARANTEE NO.: _____

In consideration of REC Power Distribution Company Ltd., having its office at _____
 _____ (hereinafter referred
 to as "RECPDCL" which expression shall unless repugnant to the content or meaning thereof include all its
 successors, administrators and executors) and having issued Work Order No.
 _____ dated _____ with/on
 M/s _____ (hereinafter referred to as "The Agency" which
 expression unless repugnant to the content or meaning thereof, shall include all the successors,
 administrators, and executors).

WHEREAS the Agency having unequivocally accepted to perform the services as per terms and conditions
 given in the BID/Work Order No _____ dated
 _____ and RECPDCL having agreed that the Agency shall furnish to RECPDCL a Performance
 Guarantee for the faithful performance of the entire period of empanelment, of the value of
 ₹ _____.

We, _____ ("The Bank") which shall include
 OUR successors, administrators and executors herewith establish an irrevocable Letter of Guarantee No.
 _____ in your favor for account of _____
 _____ (The Agency) in cover of performance guarantee in accordance
 with the terms and conditions of the Empanelment Order.

Hereby, we undertake to pay up to but not exceeding _____ (say _____
 _____ only) upon receipt by us of your first written demand
 accompanied by your declaration stating that the amount claimed is due by reason of the Agency having
 failed to perform the BID/Work Order and despite any contestation on the part of above named-agency.

This letter of Guarantee will expire on _____ including 90 days of claim period and
 any claims made hereunder must be received by us on or before expiry date after which date this Letter
 of Guarantee will become of no effect whatsoever whether returned to us or not.

 Authorized signature
 Chief Manager/ Manager
 Seal of Bank

Note: PBG shall be valid as specified in Section-IX, Clause No. 4.

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

(To be signed and stamped by the bidder)

In a bid to make our entire procurement process more fair and transparent, RECPDCL intends to use the reverse auctions in case to case at sole discretion of RECPDCL when financial bids are invited later on. Techno-Commercially acceptable bidders up to the level of L6 or lower as the case may be shall be allowed to participate in the Reverse Auctioning at sole discretion of RECPDCL.

The following terms and conditions are accepted by the bidder on participation in the bid event:

1. RECPDCL shall provide the user id and password to the authorized representative of the bidder. (Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).
2. RECPDCL decision to award the work would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of RECPDCL, bid process, bid technology, bid documentation and bid details to any other party.
4. The bidder is advised to fully make aware itself of auto bid process and ensure its participation in the event of reverse auction and failing to which RECPDCL will not be liable in any way.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of RECPDCL.
6. In case of intranet medium, RECPDCL shall provide the infrastructure to bidders. Further, RECPDCL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case an auction event is restarted, the best bid as already available in the system shall become the basis for determining start price of the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be out rightly rejected by RECPDCL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by RECPDCL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

**Signature & Seal of the Bidder
(Authorized Signatory)**

TECHNICAL BID
(To be submitted Online)

NIT No: RECPDCL/OS/16-17/2925 Dated 09.12.2016

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services

We confirm the following are technical specification of Items that will be used for Installation & Commissioning.

S. No.	Item	Specification	Make	Model	Unit	Quantity
1	Air Cooled Condensing Unit (11TR)				Nos.	
2	Air Handling Unit				Nos.	
3	Strip Heater for AHU				Set	
4	Control Panel for Temp. Control				Set	
5	Expansion valve (11TR)				Nos.	
6	Drain Connection				Lump sum	
7	Control & power Wiring				Lump sum	
8	Refrigerant Pipe				Lump sum	
9	Outdoor Seismic Base Frame for condensing unit				Nos.	
10	Concrete Block (Foundation) for AHU				Set	
11	Vibration absorbing pads for AHU				Set	

Note:

1. All items mentioned above should be brand new, unused, of good quality and standard make, details mentioned under Section-VI of this tender.
2. Any other works though not specifically mentioned above but are required to finish the work in all respects for its safe, reliable, efficient and trouble free operation shall also be included and the same shall be supplied and installed by the bidder without any extra cost.

(AUTHORIZED SIGNATORY)

NAME:

SEAL:

COMPREHENSIVE ON-SITE MAINTENANCE SCHEDULE*(To be submitted online)*

NIT No: RECPDCL/OS/16-17/2925 Dated 09.12.2016

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services.

(Bidder has to submit Comprehensive On-site Maintenance Schedule by specifying preventive & break-down maintenance schedule, resources and spares requirement etc. for the system as below)

Preventive Maintenance:

Sr. No.	Particulars	Details
A	Schedule as prescribed by OEM or as per requirement	<i>(Fortnightly/Monthly/Quarterly)</i>
B	Activities during preventive maintenance	
B.1	Cleaning of Heat Exchanger Elements	
B.2	Monitoring of Refrigerant Pressure	
B.3	Cleaning or Replacing of Air Filters	
B.4	Cleaning and adjusting blower components	
B.5	Test Safety Controls	
B.6	Measuring Air Flow	
B.7	Tightening of Electrical Connections	
B.8	Measuring Voltage & Current	
B.9	Lubrication of All Moving Parts	
B.10	Thermostat Calibration	
B.11	Cleaning of coils	
B.12	Cleaning of compressor parts	
B.13	Measurement of temperature Difference	
B.14	Any Other Activity	
C	Manpower requirement for preventive maintenance with their qualification	
D	Details of Spares and consumables required during preventive maintenance	

Breakdown Maintenance:

Sr. No.	Particulars	Details
A	Manpower requirement for break-down maintenance with their qualification	<i>(Fortnightly/Monthly/Quarterly)</i>
B	Details of Spares and consumables required during breakdown maintenance against following materials/items	
B.1	Air Cooled Condensing Unit (11TR)	
B.2	Air Handling Unit	
B.3	Strip Heater for AHU	
B.4	Control Panel for Temp. Control	
B.5	Expansion valve (11TR)	
B.6	Drain Connection	
B.7	Control & power Wiring	

B.8	Refrigerant Pipe	
B.9	Outdoor Seismic Base Frame for condensing unit	
B.10	Concrete Block (Foundation) for AHU	
B.11	Vibration absorbing pads for AHU	
B.12	Any other items/materials	

N.B. Above information shall be considered indicative only. All kind of test/repairs/maintenance/preventive maintenance/ breakdown maintenance etc. shall be mandatory by successful bidder at no extra cost as per industry practice & applicable laws for successful & reliable operation of the system.

FINANCIAL BID
(To be submitted online)

NIT No: RECPDCL/OS/16-17/2925 Dated 09.12.2016

Supply, Installation, Testing & Commissioning of Direct Expansion (DX) Type Air Conditioning System for New Office Space of RECPDCL at KRIBHCO Bhawan Noida including Comprehensive On-site Maintenance Services.

S. No.	Description	Make & Model	Unit	Qty.	Unit Price (INR)	Total Price (INR)	VAT/ Sales Tax/ CST (%)	VAT/ Sales Tax/ CST Cost (INR)	Excise Duty (%)	Excise Duty Cost (INR)	Service Tax + Cess (%)	Service Tax + Cess Cost (INR)	Total Price (Inclusive of all taxes)
				C	D	E = CxD	F	G = ExF	H	I = ExH	J	K = ExJ	L = E +G + I + K
A	Supply, Installation, testing & commissioning of complete DX type air-conditioning system with one year's comprehensive warranty after commissioning as specified in the tender												
1A	Air-cooled 11 TR Capacity Condensing units		No.	3									
2A	14000 CFM rated Air Handling Unit		No.	1									
3A	Heating arrangement in AHU with strip heaters of suitable capacity as per system requirement		Set	1									
4A	Control panel for AHU & Outdoor Condensing Units to control the temperature by digital temperature controller with heating, cooling and fan modes		Set	1									
5A	Expansion Valve (11 TR)		No.	3									
6A	Drain Connection near Drain Point with CPVC Pipe		Lump sum	--									
7A	Electrical control and power wiring from Panel to AHU and Condensing Unit		Lump sum	--									
8A	Refrigerant Pipe as per system requirement and industry		Lump sum	--									

	practices												
9A	Outdoor seismic proof galvanized steel powder coated base frame for mounting of Condensing Unit	No.	3										
10A	Concrete block (Foundation) for AHU as per as per system requirement and industry practices	Set	1										
11A	Vibration absorbing pads for AHU as per as per system requirement and industry practices	Set	1										
Total Cost (INR) inclusive of all taxes (A)													
S. No.	Description	Unit	Qty.	Unit Price (INR)	Total Price (INR)					Service Tax + Cess (%)	Service Tax + Cess Cost (INR)	Total Price (Inclusive of all taxes)	
			C	D	E = CxD					J	K = ExJ	L = E + K	
B	Comprehensive on-site maintenance services	Year	5										
Grand Total (INR) inclusive of all taxes (A+B)													

Note:

1. If it is found that the tax quoted is higher than the applicable tax, in that case applicable taxes will only be paid by RECPDCL and if the tax quoted is lower than the applicable tax, in that case only the quoted taxes will be paid by the RECPDCL.
2. In case of implementation of GST/New taxation policy etc. such taxes will be payable as per prevailing laws.
3. Bidders have to quote as per financial bid format as above indicating all taxes & duties. Financial bids will be evaluated based on total price quoted including Supply, Installation, Testing and Commissioning of DX Type Air conditioning system with 5 years' comprehensive on-site maintenance services and all taxes & duties. At the time of release of payment to the bidder, TDS/WCT/Labour cess will be deducted as the case may be.
4. Rate quoted by the bidder shall remain firm & fixed and shall be binding on the Successful Bidder till completion of comprehensive on-site maintenance period irrespective of actual cost of execution of the project. No escalation will be granted on any reason whatsoever. The bidder shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.
5. The offer must be kept valid for a period of 180 days from the last date of bid submission. No escalation clause would be accepted. The validity can be further extended with mutual consent.
6. Bidder may visit the site before quoting the rate to get better idea of location, work place etc. However, in any case, it will be assumed that bidder has visited the site and understood all site conditions, factors etc. for this work before submission of bid.
7. Supply & installation of material and billing shall also be done at following address:
4th Floor, KRIBHCO Bhawan, A10, Sector-1, Noida (U.P.)-201301

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