



RURAL ELECTRIFICATION CORPORATION LIMITED

Core 4, SCOPE Complex, 7 Lodhi Road, New Delhi – 110 003

Tel: 011-24365161 & 41020101 Fax: 011-24360644

Web site: www.recindia.nic.in & www.recindia.com

Limited Tender No: REC/IT/31/2002-07/2

TENDER DOCUMENT

FOR

Supply and Installation of Networking Equipments
including integration with existing LAN at REC
Corporate Office

Date of Issue (T) : 19/12/2007

Date & Time of Submission : 04/01/2008 (14:30 Hrs)

Time of Opening : 04/01/2008 (15:30 Hrs)

Signature of Bidder with Company Seal

To,
As per the list enclosed under "LIST OF VENDORS"

TENDER DOCUMENT

Sub: Request for Quotation for Supply and Installation of Networking Equipments
including integration with existing LAN at REC Corporate Office

Dear Sir/Madam,

Rural Electrification Corporation Ltd (A Govt. of India Enterprise) intends to extend the existing LAN setup of the Corporate office by procuring and installing Networking Equipments including its integration with the existing LAN setup as per the scope of work defined in the enclosed Annexure -III. You are hereby requested to provide us the best rates as are offered to Govt. organization in the following format.

- 1 COVER A containing EARNEST MONEY should be sealed in a separate envelope subscribing "Earnest Money"
- 2 COVER B containing TECHNICAL BID should be sealed in a separate envelope subscribing "Technical Bid".
- 3 COVER C containing COMMERCIAL BID should be sealed in a separate envelope subscribing "Commercial Bid".

All Earnest Money, Technical and Commercial Bid envelopes should be enclosed and sealed in separate envelopes subscribing the Tender Number and due date, addressed to Dy. GM (IT), Rural Electrification Corporation Ltd, Core -4, SCOPE Complex, 7 Lodi Road, New Delhi -110003 so as to reach us on or before 04/01/2008 by 14:30 Hrs. Opening of Technical Bids would take place on same day at 15:30 HRS. Bids received after the due date time and place shall not be considered and would be liable to be rejected without assigning any reason whatsoever. REC shall not be responsible for late receipt of the Bid submitted from any Bidder. The bidders may depute their authorized representatives at the time of opening of the bid.

Eligibility Criteria:

1. The firm should be a registered company under the Indian Companies Act 1956 and should have valid Income Tax clearance certificate from Income tax department, valid Service Tax/ Sales Tax Registration certificates from appropriate Tax Authorities. The Contract should enclose attested photocopies of such certificates with their Bid.
2. The firm should have annual revenue turnover of Rs.1 crore or above from businesses relating to sales and support for computers / Networking Systems, Computer Hardware in India during the last 2 years. Company should furnish copies of audited balance sheets for the last two years in

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support of annual revenue turnover or Certificates issued by Accounts Auditors.

3. The Bidders should be an Authorized System Integrator having a direct purchase and support agreement with the original equipment manufacturer (OEM) for Network active components. Proof for the same to be enclosed.
4. The bidder company should be ISO 9001 certified. Certificates to this effect should be enclosed with the Bid.
5. The Bidder should be Authorized Service Provider of the Original Equipment Manufacturer. Proof of the same shall be enclosed with the Bid.
6. The bidder should have Service Center operating in or around Delhi. Communication address and telephone numbers for the same should be provided.
7. The bidder should have similar experience of executing and maintaining LANs in Government Sector i.e. Public Sector Undertakings, Autonomous Bodies, Research and Educational Institutions etc. . The Contractors should enclose list of such offices with their addresses with the bid.
8. The Bidder should have at least 2 years of Proven experience of supplying and installation of at least one LAN of 80% of the bid value in each year in India. Company should furnish copies of documents which would establish successful execution and implementation of work of similar nature. Purchase Orders/Work orders/Certificate of Customers where network has been implemented during the past two years is to be enclosed in following format:

List of Clients of Similar Project

Sl. No	Client Contact Person, Email Id & Full Address	Designation	Contact Numbers/fax numbers	Current Status

Documents to be enclosed:

1. COVER A: Earnest Money of Rs. 15,000/-
 Demand Draft of required amount of Earnest Money issued from any leading Nationalized / Scheduled Bank in favour of "Rural Electrification Corporation Limited" payable at Delhi required to be placed. Following information should be marked on face the sealed envelope:
 Name of Party.....
 Enquiry No.....
 Earnest Money Amount..... Issuing Bank.....Date.....
2. COVER B: The following Documents signed by the Authorized Signatory should to be enclosed with the Technical Bid:
 - a. Bid form (As per the format given in Annexure – I)
 - b. Compliance to the Terms and Conditions. (As per the format given in Annexure – II)
 - c. Compliance to the Scope of Work (As per the format given in Annexure– III)
 - d. Compliance to the Technical Specifications (As per the format given in Annexure–IV)
 - e. Documents required as Per "Eligibility Criteria"

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- f. Technical Literature of the Products quoted as Per the Technical Specifications.
3. COVER C: Price sheet as per enclosed the Price Format in Annexure - V.

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Annexure-I

BID FORM

(Bidders are requested to furnish the Form of Bid in the Format given in this section, filling all the Blank)

To,
Dy. GM (IT)
Rural Electrification Corporation Ltd,
Core -4, SCOPE Complex,
7 Lodi Road,
New Delhi -110003.

Dear Sir,

Having examined the Bidding documents we the undersigned offer to undertake the job of "Supply and Installation of Networking Equipments including integration with existing LAN setup at REC, Corporate Office"

We agree to abide by this bid-offer for the current financial year (2007-08) i.e. till 31.3.2008 and the conditions of this offer shall remain effective and binding upon us for acceptance at any time before the expiry of the said period.

We are submitting Earnest Money of Rs. 15,000.00 (Rupees Fifteen Thousand Only) through Demand Draft favoring "Rural Electrification Corporation Limited" payable at New Delhi.

This bid, together with written acceptance thereof by REC and Order/Notification of Award of Work, shall constitute a binding contract between us and the REC.

We understand that REC reserves the right to accept/reject any bid, without assigning any explanation or reason and decision of REC management on the subject shall be final and binding on all Bidders.

Dated, this day of2007

.....
Signature

.....
(in capacity of)

duly Authorised to sign this bid
for and on behalf of
(Name and Address of the Bidder)

(Affix Official Seal)

- Encl.: 1. COVER A containing EARNEST MONEY
- 2. COVER B containing TECHNICAL BID
- 2. COVER C containing PRICE BID.

Signature of Bidder with Company Seal

Annexure-II

TERMS AND CONDITIONS

- | Sl
No. | Item |
|-----------|--|
| 1. | The Tender submitted after the due date and time shall be rejected. Your quotation must be clearly legible, duly signed by authorized signatories. Any erasure or alteration must appear specifically in the quotation. Bidder may visit REC for inspecting existing LAN setup, if required prior to submission of bid. No disputes regarding the form, nature or quality of infrastructure and site shall be entertained after submission of the Bid by the Bidder. |
| 2. | Scope Of Work: Pl. see Annexure -III |
| 3. | Time Schedule <ol style="list-style-type: none">1. Issue of Acceptance Letter D2. Supply of materials D + 7 days3. Installation and commissioning of all items D + 20 days4. Fine tuning/testing/ Troubleshooting & stabilization D + 25 days |
| 4. | All necessary permissions and approvals (including statutory, regulatory permissions, approvals etc) required for carrying out the contract work shall be the responsibility of the bidder. |
| 5. | Measurements: For payment purposes the measurement of cables would be carried out from end to end (measured from the I/O up to the Patch Panel). |
| 6. | Bid Pricing: Prices stated in the Bid-Offers submitted by Contractors are in accordance with Terms & Conditions in the bidding document. The Bidders further understand that the quantities and scope of work as specified in this Tender may vary at the time of Award of Purchase Order as per the discretion and requirements of REC. |
| 7. | Payment terms: <ul style="list-style-type: none">• 80% of cost for the items supplied (Annexure-V, Column 'g') on successful supply and delivery of all the above items.• Balance 20% of cost for the items supplied (Annexure-V, Column 'g') and 100 % of rate quoted for the installation (Annexure-V, Column 'j') after 30 days of satisfactory installation, acceptance by REC and on submission of Bank Guarantee, bill.• REC shall make payment on the basis of running Bills submitted by the Contractor from time to time / or final bill (as the case may be), dully certified by DGM (IT) within period of 15 working days from the date of submission of such bills. In case payment is not made by REC within specified time, the Contractor should take up appropriate measures to find out the reason for delay and to rectify the cause of such delay. In no case REC shall be responsible for delay in payment of bills to the Contractor. |
| 8. | Taxes/Duties/Etc.: All applicable taxes should be clearly and separately mentioned in the commercial bid. |
| 9. | Penalty: Failure to supply or commission all or some equipments on or before the stipulated date will entail a penalty equal to 0.5% of the value of the contract price per week/part their off subject to maximum of 10% of total contract value. |

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10. Bank Guarantee: Once the Purchase Order is raised in the name of the successful bidder, a Performance Bank Guarantee (PBG) of 10% of the cost of the Purchase Order valid for the warranty period would be submitted by the Contractor to the REC along with the Acceptance Letter.
11. Earnest Money
 1. Parties are required to deposit the Earnest Money of the specified rates or amount as specified on the tender documents in form of Demand Draft only, No other mode of payment is acceptable.
 2. The EMD shall be refundable to un-successful parties after placing Purchase Order.
 3. No interest shall be payable on Earnest Money by REC
 4. Fresh Earnest Money should be deposited in each case. No request for adjustment of Earnest money from any amount pending with the REC shall be considered.
 5. The Earnest Money of one quotation case shall not be off-setted transferred / adjustable towards any other quotation.
12. WARRANTY: Onsite warranty for all Hardware delivered and installed for minimum for one year and extended as per OEM Guarantee/ Warrantee period. The equipment must be warranted against all manufacturing / installation defects for at least a period of 12 months (Please indicate Guarantee/ Warrantee period offered by you on the product in your quote) from the date of successful installation and acceptance. In case, a part thereof or the whole equipment is found defective the same will have to be rectified/replaced on free of charge basis without lapse of time. In case the equipments are not repaired/replaced within the "Service" Time quoted the Bank Guarantee will be invoked without assigning any reason.
13. Settlements of Dispute

All disputes or differences of any kind whatsoever that may arise between the REC and the Contractor / Supplier in connection with or arising out of the contract or subject matter thereof or the execution of works, whether during the progress of works or after their completion, whether before or after determination of contract shall be settled as under:-

Conciliation

All such disputes or differences shall in the first place be referred by the Supplier to the REC in writing for resolving the same through mutual consultations, discussions, negotiations, deliberation etc. associating representatives from both the sides and concerted efforts shall be made for reaching amicable settlement of disputes or differences by Conciliation.

Arbitration

It is a term of this contract that Arbitration of disputes shall not be commenced unless an attempt has first been made by the parties to settle such disputes through mutual settlement.

- If the Supplier is not satisfied with the settlement by the REC on any matter in question, disputes or differences, the Contractor / Supplier may refer the disputes to the Chairman & Managing Director of the REC in writing to nominate an Arbitrator to resolve such disputes or differences through Arbitration provided that the demand for Arbitration shall specify the matters, which are in question or

Signature of Bidder with Company Seal

subject of the disputes or differences as also the amount of claim, item wise. Only such dispute(s) or difference(s) in respect of which the demand has been made, together with counter claims of the REC shall be referred to Arbitrator as the case may be and other matters shall not be included in the reference.

- All disputes shall be resolved by Arbitration conducted under the Arbitration and Conciliation Act, 1996 by an Arbitral Tribunal comprising 3 arbitrators - Each party appointing one arbitrator and the two co-arbitrators appointing the third Arbitrator.
- The Arbitration proceedings shall be governed by the provisions of the (Indian) Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the Arbitration proceedings under this Clause.
- The language of proceedings, documents or communications shall be English and the award shall be made in English in writing.
- The venue of Arbitration proceedings shall be New Delhi and parties would share the cost of arbitration proceedings including fees of the Ld. Arbitrators..
- The fees and other charges of Arbitrators shall be as per the standard schedule of fees fixed by REC and shall be shared equally between the REC and the Supplier.

Settlement through Court

It is a term of this contract that the Supplier shall not approach any Court of Law for settlement of any disputes or differences unless an attempt has first been made by the parties to settle such disputes or differences through Arbitration.

Jurisdiction of Courts

The courts of Delhi will have exclusive jurisdiction to try and entertain suits between the parties under the Contract.

14. REC's Right: The REC reserves the right to reject lowest quotation or all the quotations or accept any quotation or part thereof without assigning any reason. Further BOM as indicated in this Tender Document is subject to change determined by the needs of the REC.
15. Evaluation of Bid: Initially the technical bid would be opened. Financial bids of only technically qualified firms would be opened at a date and time to be informed to the technical qualified bidders. The L1 bidder will be arrived at on the basis of the grand total. REC may use quantity, unit rate, and tax to recalculate the Sub Total/Grand Total.
16. Notwithstanding the above, REC shall reserve exclusive discretion to accept or reject any bid offer without assigning any reason. The dispute(s) regarding not awarding of work to any particular Contractor shall not be Arbitrable in terms of Clause 13 above.
17. Dy. GM (IT), REC, New Delhi shall be the Engineer-In-charge for the work and his decisions shall be final and binding regarding any matters related to the terms of this tender /contract.
18. The location where the equipments are to be installed shall be identified by the representative nominated by Dy. GM (IT), REC.
19. The quality of the material being installed should be to the satisfaction of Engineer-In-Charge. If the equipments/ items as prescribed in Annexure -V are not available for any reason or if the quality of such items/equipments available is not satisfactory, the decision of Engineer-In -Charge with regard to substituted items/ equipments

Signature of Bidder with Company Seal

(including variation in rates, if any) shall be final and binding on the contractor.

20. The award of work shall not be assigned, transferred or sub-delegated to other Contractors except with the written approval of REC. However this clause shall not apply to purchase of equipments and material for the performance of the work.
21. The Contractor/ Vendor shall indemnify REC against all the losses, destruction or damages to any property or injury caused or death of any person caused by the negligent act or omission of the Contractor / their Employees agent or sub-contractors.
22. REC reserves the right to enter into a rate contract with L1 bidder for items and services initially for a period of 6 months which may be extended further as per the future requirements.

Signature of Bidder

Name & Designation:

Company Seal

Signature of Bidder with Company Seal

Annexure-III

SCOPE OF WORK

New installation and integration with existing LAN setup includes but not limited to the following tentative work:

1. Indoor UTP Cable Laying through PVC Pipe, Casing including all materials
2. Preparation of Actual Bill of Material based on Survey and REC's requirements.
3. Installation of IO/Crimping/Patch Panel/ Rack/ Switch and System Integration
4. Laying and Termination of CAT6 UTP Cable. All cabling must be "structured"
5. Network Documentation (on Paper and CD)
6. All the floppy-disc., CD's, operational manuals, stationery and similar accessories made available by Equipment vendor would be handed over by the Contractor to REC after installation work is over.
7. Labeling of Cables, I/Os, Jack Panel, Switches for new connections
8. Repair/Refurnishing work owing to damage caused due to cabling or any other work related to this Project. There should not be any hanging or uncovered wire.
9. Patch cord should be branded and factory crimped.
10. Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment's and/or needed for erection, completion and safe operation of the equipment's as required by applicable codes though they may not have been specifically detailed in the tender document, unless included in the list of exclusions. All similar standard components/parts of similar standard equipment's provided, shall be inter-changeable with one another.
11. The Bidder shall be responsible for providing all materials, equipment's, and services, specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within his quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force of the date of award of this contract.
12. The bidder shall also be responsible for deputing qualified personnel for installation, testing, commissioning and other services under his scope of work as per this specification. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
13. The installation of equipments shall be accepted only after installation tests are over.
14. The bidder should ensure while installation of LAN, day-to-day functioning of official work and existing network setup/connectivity/internet connectivity should not get disrupted.
15. The bidders proposal shall include the list of tools (such as crimping tool, Krone punch tool) and other accessories, which are required for installation of the connection. No separate charges for fixing/crimping/other connection charges would be paid by REC
16. The switches proposed by the bidders must be compatible to the existing network.

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17. The scope covers design/development of a suitable architecture/layout of the proposed networking system, preparation of bill of materials, pre-dispatch inspection / testing, packing and forwarding, transportation, insurance and carrying out further activities at sites viz. unloading, storage, (space to be provided by the owner) further handling, erection, testing and commissioning including successful completion of acceptance tests and any other services specified.
18. REC reserves the right for quantity variation due to increase/decrease in requirements. The bidder shall also provide all required equipment which may not be specifically stated herein but are required to meet the intent of ensuring completeness, maintainability and reliability of the total system covered under this specification, including integration and interoperability with the existing LAN.
19. Scope of Work shall also include
 - a. Powering on equipment after ensuring correctness of terminations interfaces and power supply and making the system ready for testing and commissioning.
 - b. Testing of LAN Cables after laying, terminations and ferruling at both the ends. All testing tools and instruments shall be brought by the bidder and taken back after the testing.
 - c. Configuration of the equipment as per the requirements of REC including Network segmentation and Network Monitoring through network management s/w.
 - d. Site acceptance tests to establish satisfactory performance of the equipment's as per specs.
 - e. Assistance for familiarization and operation of the installed system & services for 6 months after acceptance of system.
 - f. Onsite warranty for all Installation and Hardware delivered for minimum one year and extended as per OEM guarantee/warranty offered.
20. In case, the quantity of laying cables or fixing wall mount sockets etc. exceeds or is less than the quantity in bid price schedule, the payment for the executed quantity shall be paid on pro-rata basis, for the actual quantities consumed / for which the installation is carried out through the Bidder on Certification by REC's Network Engineer.
21. Any other work required for making the network functional up to the satisfaction of Rural Electrification Corporation Ltd.

Signature of Bidder

Name & Designation:

Company Seal

Signature of Bidder with Company Seal

Annexure - IV

TECHNICAL SPECIFICATIONS FOR NETWORK EQUIPMENTS

Sl. No	Item Description	Specification / OEM brands
1.	CAT 6 UTP Cable (each box containing 305 Mtrs)	CAT6 UTP Ethernet Cable / HCL, DLink/Avaya
2.	Conduit pipe (30 X 25 mm) 1 ½ " (ISI Mark)	ISI /ISO approved
3.	Conduit pipe (45 X 25 mm) 2" (ISI Mark)	ISI /ISO approved
4.	Channel 1" (ISI Mark)	ISI /ISO approved
5.	24 port 10/100/1000 Mbps switch	Linksys Manageable switch SRW224G4 or higher Rack-mountable Networking Ports : Qty 24 x Ethernet 10Base-T, Ethernet 100Base-TX, Ethernet 1000Base-T Data Transfer Rate :1 Gbps Data Link Protocol : Ethernet, Fast Ethernet, Gigabit Ethernet Remote Management Protocol :SNMP 1, SNMP 2, RMON, Telnet, SNMP 3, HTTP, HTTPS Connectivity Technology : Wired
6.	24 Port Jack Panel (Cat 6)	Supports UTP CAT6 HCL / Systemax or equivalent
7.	Patch cord 7 ft (Cat 6)	OEM brand with factory crimped
8.	Patch cord 3 ft. (Cat 6)	OEM brand with factory crimped
9.	Rack (19" Rack, 6 U Rack Height)	Wall mount, front glass door (lockable), AC power distribution channel with power sockets & spike suppressor etc. of reputed brand like HCL/DLink or equivalent
10.	Rack (19" Rack, 9 U Rack Height)	Wall mount, front glass door (lockable), AC power distribution channel with power sockets & spike suppressor etc. of reputed brand like HCL/DLink or equivalent
11.	Wire Manager (ISI mark)	ISI /ISO approved
12.	RJ 45 Connector	Dlink/Amp or equivalent
13.	Information Outlets (Cat 6)	HCL, DLink, Avaya or equivalent

Note: Bidder should quote all passive network component of same OEM make.

Signature of Bidder

Name & Designation:

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Annexure - V

COMMERCIAL OFFER FOR NETWORK EQUIPMENTS (IN INDIAN RUPEES)

Sl. No	Item Description	Unit	Quantity	Item Rate			Installation Rate			TOTAL (Rs.)	
				Unit rate as per unit in column 'c' (Rs.)	All Taxes (Rs.)	Sub Total (Rs.)	Unit rate as per unit in column 'c' of Installation (Rs.)	All Taxes (Rs.)	Sub Total (Rs.)		
a	B	c	d	e	f	g=f+(d*e)	h	i	j=i+(d*h)	k=g+j	
14.	CAT 6 UTP Cable (each box containing 305 Mtrs)**	Mtr	3355 (11 box)								
15.	Conduit pipe (30 X 25 mm) 1 ½ " (ISI Mark)**	Mtr	475								
16.	Conduit pipe (45 X 25 mm) 2" (ISI Mark)**	Mtr	400								
17.	Channel 1" (ISI Mark)**	Mtr	150								
18.	24 port 10/100/1000 Mbps switch	No.	6								
19.	24 Port Jack Panel (Cat 6)	No.	6								
20.	Patch cord 7 ft (Cat 6)**	No.	70								
21.	Patch cord 3 ft. (Cat 6)**	No.	70								
22.	Rack (19" Rack, 6 U Rack Height + 2 Fan)	No.	2								
23.	Rack (19" Rack, 9 U Rack Height + 2 Fan)	No.	2								
24.	Wire Manager (ISI mark)**	No.	6								
25.	RJ 45 Connector**	No.	150								
26.	Information Outlets (Cat 6)**	No.	70								
27.	Sub Total (Rs.):										
28.	GRAND TOTAL (Rs. in figures):										
29.	GRAND TOTAL (Words):										

**The payment for these items would be based on actual measurement wherever required.

Note: The bidders are required to fill all the columns in the price schedule in numeric INR only (No NA/blank column/ - / NIL etc.).

- Vendor has to quote rates in Indian rupees for all items and installation with all civil work as per scope of work mention in bid document.
- Indoor UTP Cable Laying through PVC Pipe, Casing including all materials

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- Installation of IO/Patch Panel/ Rack/ Switch and System Integration
- All Installation should be with proper fitting.
- All equipments quoted should be of reputed brand/make.
- All sealed envelopes should be dropped in a Tender Box kept at Reception counter, Dy. GM (IT), REC Limited, Core-4, Scope Complex, 7- Lodi Road, New Delhi – 110003 by the scheduled date and time mentioned.
- The lowest quote bidder will be arrived by evaluating the Grand Total and REC may use quantity, unit rate, and tax to recalculate the Sub Total/Grand Total.
- The above quantities are indicative and may vary based on actual requirement while execution of work. The payment would be made as per actual.
- Vendors are required to quote for all items along with installation. In case of not quoting any line item, the highest price quoted for the line item will be taken for the purpose of commercial evaluation, but the lowest price quoted in the line item will be taken for the purpose of issuing of order and payment.

Signature of Bidder

Name & Designation:

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LIST OF VENDORS

- M/s PCS Technology Limited
- M/s PC Solutions Pvt. Ltd.
- M/s Millennium Automation & systems Limited
- M/s HCL Infosystems
- M/s SES Technologies Limited
- M/s RAMCO Systems Pvt. Ltd.
- M/s Vijay Brothers
- M/s COMPUTER WARE
- M/s Leading Edge Communication Pvt. Ltd
- M/s SMR Solutions Pvt .Ltd
- M/s Silicon Comnet
- M/s ACER INDIA (PVT) LIMITED
- M/s CMC Limited
- M/s Wipro Infotech
- M/s Tata Elxsi Limited
- Any Vendors fulfilling the "Eligibility Criteria" can also participate in this bid.