GOVERNMENT OF INDIA  
Bhabha Atomic Research Centre  
Waste Management Division  
Waste Management Facilities, Trombay

Ref: WMD/EE&I/PBB/2019/174395  
Date: 16-09-2019  
WIP, Trombay

Notice Inviting Tender
Tender No Ref: WMD/EE&I/PBB/2019/174395 dated 16/09/2019

Sealed quotations are hereby invited on behalf of President of India by Chief Superintendent of Waste Management Division, Nuclear Recycle Group, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085 for following work from the contractors having pre-cleared security vetting of his/her company/firm as per BARC security rules and having carried out similar works & having adequate experience & sufficient staff having Police Verification Certificate (PVC). For BoQ and scope of work, annexure may please be referred.

Name of work: Expansion of Local Area Network at WIP

1) Your offer shall be valid for minimum 60 days from the date of quotation opening.
2) Work shall be completed within 04 months from the date of release of work order.
3) Tenderer may submit the quotation in sealed envelope clearly indicating tender number and due date, addressed to:
   PB Bhandut,
   SO/E, EE&I,
   Waste Management Division,
   Bhabha Atomic Research Centre,
   Mumbai 400085.
4) Last date for submission of application form for enquiry is 27/09/2019.
5) Site visit of prospective vendors is kept on 30/09/2019. Prior intimation will be required in order to make entry permit.
6) Sealed quotation to the undersigned shall reach by 07/10/2019 up to 16:00 hrs by ‘registered post/speed post’ only through India Post Service. The sealed quotation will be opened on the same day at 16:30 hrs.
7) BARC reserves the right to reject any or all tenders/applications without assigning any reason what-so-ever.

PB Bhandut  
SO/D, WMD
# Annexure

## Bill of Material/Quantity:

<table>
<thead>
<tr>
<th>Sr No</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>UNIT</th>
<th>Supply</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Rate</td>
<td>Rate</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Cost</td>
<td>Cost</td>
</tr>
<tr>
<td>1</td>
<td>Supply, Installation of CAT-6 Armoured cable FRLS Polycab/AMP/TYCO/COMSCOPE/FINOLA X make</td>
<td>5000</td>
<td>Meters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Supply, installation, termination of AMP/COMSCOPE/NODEX/SYSTIMAX 24 Port CAT-6 loaded jack/patch panel</td>
<td>13</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>SYSTIMAX / NODEX/AMP/COMSCOPE cat -6 (factory made) Mounting / patch cords (7 feet)</td>
<td>50</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>SYSTIMAX / NODEX/AMP/COMSCOPE cat -6 (factory made) Mounting / patch cords (3 feet)</td>
<td>300</td>
<td>No</td>
<td></td>
<td></td>
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<tr>
<td>5.</td>
<td>President / Val rack make 19 &quot; Wall mounted RACK 12 U (double section) with acrylic/glass door, with following accessories. 4 Horizontal cable manager, A.C power panel (with four sockets, fuse and switch), Wall mounting hardware and cage nuts. Rack shall be mounted using on support of two MS angles/channels of suitable size (Total Lenght 5 Meters) supply of MS angle and installation/welding in scope of contractor.</td>
<td>3</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>4&quot; Aluminium Diecast weather proof IP 66 Junction box with 4 terminals, 1/2&quot; Cable Gland knock out, and rubber gromets covering knockouts</td>
<td>130</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Amp make CAT 6 Information Outlet</td>
<td>130</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Supply, installation and testing and commissioning of PoE injector</td>
<td>10</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sub Total

GST _____% on Supply and _____% on installation

Sub Total With Taxes

Grand Total
A. **Scope of work for Installation of UTP/Fiber cables and accessories:**

1. Successful bidder shall be made available the floors plan drawings. The contractor shall submit drawings, giving details of the cable route and positions of all the racks and 4” boxes, soon after entering into the contract. These drawings shall be got approved by the officer-in-charge of the work prior to commencement of installation. This design shall form the basis for installation. All the items supplied shall be installed as mentioned in the above drawings.

2. Patch panel/Jack panel shall be fixed in the 19” Rack, with proper identification mark on the jack panel to identify different cables. Information Outlets to be fixed on wall with proper identification mark. For UTP cables, printed PVC Sleeves shall be used at both end of termination. Format for identification details shall be got approved from the engineer-in-charge.

3. 19” RACK and its accessories to be fixed at the appropriate point as agreed upon in the above drawing. Proper anchor-fasteners shall be used for fixing wall mounted racks.

4. Cables to be fixed on walls /ceiling/terrace/cable trays/above false ceiling. For fixing of the cables the contractor will use appropriate spacer/saddles keeping with three saddles per meter. Screws, raval plugs etc. used for fixing the conduits will be atleast 35 mm long and screws will be tightened using screw driver and not by hammering.

5. Floor height on and average is 5 meters with false ceiling with MS angle Structure at 2.3-2.5 meters height. Above false ceilings are utilities such as air conditioning and ventilation ducts and cable trays. The contractor will work above false ceiling with adequate safety measures.

6. Contractor shall take necessary safety precaution, arrangement for illumination such as hand lamp, ladders, safety belts, helmets etc. These shall be in the scope of the contractor.

7. The contractor shall use proper electrical plug/sockets. Use of loose wiring will not be permitted.

8. The contractor should provide proper junction boxes and bends etc. wherever it is required.

9. All cabling work shall be neat and workmanship will be of good quality.

10. Wherever required the wall shall be punctured by the contractor. The contractor will fill back this punctured wall after putting GI sleeves having length equal to thickness of wall. Supply of such GI sleeves and cement for refilling lies in the scope of the contractor.

11. The contractor shall terminate UTP armoured cable in Information outlet and Jack panel with clear printed sleeve identification on both sides. The information outlets shall be housed in 4” weather proof junction boxes. The junction boxes shall be mounted on wall using raval plug and screws or on metallic structure using suitable metallic plate/strips. The strips shall be painted. Supply and welding of such plates/strips/angles shall be in the scope of the contractor.

12. Any other materials required, if not specifically mentioned in the bill of material, for the completion of work, should be quoted separately. However, the vendor should supply and install all the accessories, which may not be specifically mentioned in above, but necessary for the completeness of the work, without any additional cost.

13. All the accessories such as clamps, MS boxes, MS Angles, screws, fixers, raval plugs, PVC flexible conduits etc. should be supplied by the vendor free of cost.

14. The contractor shall be responsible for any loss or damage during transportation, handling and storage of system.

15. The installation of the above work should be as per the guidance of Engineer-in-charge of work.

B. **INSPECTION & TESTING:**

1. All the items / materials shall be inspected before dispatch.
2. Functional tests shall be repeated at site after installation & commissioning, but before final acceptance.

C. GENERAL NOTES:-
1. This work involves working in restricted area with security restrictions on entry of workers, working time etc. All the workers and their supervisors need to have police verification done and cleared.
2. Temporary electric power 220 V single phase, 50 Hz and water will be supplied free of cost. However, extension boards wherever required from power point shall be arranged by the contractor.
3. Contractor has to arrange on his own the necessary machining/fabrication requirement at site.
4. Contractor shall at his own cost, make arrangements for transport of his personnel to and from the site.
5. All handling equipment, scaffoldings, tools and tackles etc. required for the erection work shall be arranged by the supplier at no extra cost.
6. The contractor shall invariably follow security rules prevailing at the time of execution of work.

D. Guarantee:
The entire installation shall be guaranteed for atleast one year from the date of completion of work.

Notes:
1. Confidentiality clause: -
No party shall disclose any information to any third party, concerning the matters under this contract generally. In particular, any information identified as “proprietary” in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.

   This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

2. “Restricted information” categories under section 18 of the Atomic Energy Act, 1962 and “Official Secrets” under section 5 of the Official Secrets Act, 1923:
Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

3. Prohibition against use of BARC’s name without permission for publicity purposes:
The contractor or sub-contractor, consultant, adviser or employees engaged by the contractor shall not use BARC’s name for any publicity purpose through any public media like press, Radio, TV. or Internet without the prior written approval of BARC.

4. Clause regarding Compensation for delay as per clause ‘9’ of general conditions of contract (Annexure – ‘B’) of P-16 of Fabrication procedure:-
In the event of grant of extension of time, the Government shall be entitled to recover at its discretion from the contractor agreed liquidated damages at $\frac{1}{2}\%$ (half percent) per week of the total value of the work in areas subject to a ceiling of 10% of the total value of the contract whether any loss is suffered by the Government on account of such delay or not.

5. All safety gears shall be used while carrying out the work. Instructions from engineer-in-charge and safety coordinator shall be strictly followed.

PB Bhandut
SO/D, WMD