

**Government of India**  
**Bhabha Atomic Research Centre**  
**Atomic Fuels Division**  
Technical Services Section

Ref.AFD/TSS /VP/18/148139

Date: 31/07/2018

**Sub: Tender Enquiry for Fabrication, supply, installation, wiring & testing of miscellaneous electrical works in AFD.**

Sealed offers are invited for and on behalf of President of India, for fabrication, supply, installation, wiring and testing of electrical items in AFD. Sealed offer with tender no and due date legibly written on the sealed envelope should reach **through Speed/Registered Post on or before 09/08/2018**.

**Scope of Work:**

Description	
<b>Fabrication, supply, installation, wiring &amp; testing of following miscellaneous electrical works in AFD as per specification given in annexure.</b>	
i)	30 Nos. of 22 watt LED Surface mounting Light with fixture and it's on /off switches in PVC Boxes.
ii)	3 set of 300mm exhaust fan with fabrication of MS items and civil work for mounting on the wall and its point wiring.
iii)	14 Nos of power points.
iv)	3 set of 225mm exhaust fan with fabrication of MS items for mounting of the same along with its point wiring.
v)	Disconnection, rerouting, re-locating & installation of existing UPS along with its 2 core X 4 sq mm FRLS armoured 500 mtrs copper cable.
vi)	10 Nos.of LED Street light with fixture and its mounting support.
vii)	10 Nos.of LED light with fixture on false ceiling in S-64 area as per site requirement.
viii)	1 No. of power distribution panel as per attached single line drawing.
ix)	4 Sets of 12 way MCB enclosure and it's cabling from main 63A MCB incomer along with 14SWG cu bear earthing up to room .

**Terms and Conditions:**

1. Offer should be valid for minimum 90 days otherwise it will be rejected.
2. Only the lumpsum prices to be quotated.
3. The completion period of this job shall be within 4 months from the date of issue of work order.
2. Persons having valid PVC only will be allowed to enter BARC to execute the job.
3. Warranty period should be minimum 12 months after completion of work.
4. The payment will be made after the satisfactory completion of the work.
5. Income. Tax and S.C. as applicable will be deducted from the bill.
6. Any delay which is attributed to the contractor is liable for penalty @0.5 % Per Week (MAX 5%) will be imposed on contractor.

7. The offer shall be forwarded as per following guidelines:

- a) The contractor shall have to visit the site to comprehend the scope of work and equipment condition. The same will be arranged by the undersigned. The site can be visited between 01/08/2018 to 03/08/2018 on working days between 10:30am to 4:00 pm. however prior intimation of at least three working days is necessary.(Tel : 25594818 Email : vrb@barc.gov.in)

**The quotation submitted without site visit will not be considered.**

- b) Quotations are to be printed on letter head / quotation format which should consist of GST registration number registered with local authority, PAN of the firm. Computer generated quotation shall be considered as invalid & rejected.
- c) Contractor should quote lump sum amount and taxes should be quoted separately.
- d) **Sealed offer with tender no and due date legibly written on the sealed envelope should reach through Speed/Registered Post on or before 09/08/2018.**

To,  
Smt. Vaishali Patidar,  
Technical Officer (C)  
Atomic Fuels Division  
BARC, Trombay, Mumbai 400 085.

**Details and Confidentially & Publicity Clause**

I. 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-contractor, consultant, adviser or employees engaged by a party with equal force

II. **“Restricted information” categories under section 18n of the Atomic Energy Act, 1962 and “Official Secret under Section 5 of the Official Secret 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 consequence under the aforesaid legislation.

III. Prohibition against use of BARC’s name without permission for the publicity purpose:-

**The contractor, sub-contractor, consultant, adviser or the employees engaged by the contractor, shall not use BARC’s name for any publicity purpose through any public media like press, Radio, T.V. or Internet without the prior written of BARC..**

(Vaishali Patidar)  
TO/C, AFD

(Surendra Kumar)  
SO/H TSS, AFD  
For & On behalf of President of India

Sr.No.	Description
i)	<p>Supply, installation testing and wiring of 22 watt LED Surface mounting fixture with light and its on/off switches in PVC Boxes.</p> <ul style="list-style-type: none"> <li>• Rating : LED 22W</li> <li>• Size : 300 mm X 300 mm surface mount fixture with light</li> <li>• Switches :5A,230V colour : White</li> <li>• Wiring: 3X 1.5 mm<sup>2</sup> PVC insulated multi strand FRLS Cu. wire in 19 mm dia. fire retardant Conduit/casing capping and copper wire bear earthing as per site requirement.</li> </ul> <p>Make : Philips/GE/Bajaj/equivalent</p>
ii)	<p>Supply, installation of industrial Exhaust Fan with fabrication of MS items and civil work for mounting on the wall and its point wiring.</p> <ul style="list-style-type: none"> <li>• Size : 300 mm</li> <li>• Voltage : 230V AC</li> <li>• Type: Exhaust Fan</li> <li>• Material: Metal</li> <li>• Wiring : 3 X 2.55 mm<sup>2</sup> PVC insulated multi strand FRLS Cu. Wire in PVC casing capping as per site requirement</li> </ul> <p>Make : CG/orient/Bajaj/Havells/equivalent</p>
iii)	<p>Supply, installation, wiring for power points.</p> <ul style="list-style-type: none"> <li>• Rating :5A and 15A combine 3pin switch socket board</li> <li>• Wiring : 3 X 2.5 mm<sup>2</sup> PVC insulated multi strand FRLS Cu. Wire in PVC casing capping as per site requirement</li> </ul> <p>Make: legrand/Anchor/equivalent.</p>
iv)	<p>Supply, installation of industrial Exhaust Fan with fabrication of MS items and civil work for mounting of the same along with its point wiring.</p> <ul style="list-style-type: none"> <li>• Size : 225 mm</li> <li>• Voltage : 230V AC</li> <li>• Type: Exhaust Fan</li> <li>• Material: Plastic</li> <li>• Wiring : 3 X 2.5 mm<sup>2</sup> PVC insulated multi strand FRLS Cu. Wire in PVC casing capping as per site requirement</li> </ul> <p>Make : CG/orient/Bajaj/Havells/equivalent</p>
v)	<p>Disconnection, rerouting ,Re-locating &amp; installation of Existing UPS along with its 2 core X 4 mm<sup>2</sup>FRLS armoured 500 mtrs copper cable</p>
vi)	<p>Supply, installation and testing of LED Street light fixture with lamp and its mounting support.</p> <ul style="list-style-type: none"> <li>• Color :Cool White</li> <li>• Degree of protection : IP66</li> <li>• Type : LED Street Light with fixture</li> <li>• Rating : 120 Watt</li> <li>• Voltage: 240 Volts</li> <li>• Make : Philips/GE/Bajaj/equivalent</li> </ul>
vii)	<p>Supply, installation testing and wiring of LED Light on false ceiling as per site requirement</p>

	<ul style="list-style-type: none"> <li>• Rating : 36 watt</li> <li>• Size : 600 mm X 600 mm fixture</li> <li>• Type : LED light</li> <li>• Switches :5A,230V</li> <li>• Colour : Cool White</li> <li>• Wiring: 3 X 1.5Sqmm PVC insulated multi strand FRLS Cu. Wire in PVC casing capping as per site requirement.</li> </ul> <p>Make : Philips/GE/Bajaj/equivalent</p>
viii)	<p>Fabrication, supply, installation, testing and commissioning of power distribution panel as per attached single line drawing -1No.</p> <p><b><u>Construction :</u></b></p> <ol style="list-style-type: none"> <li>a) Partition pole: 1.6mm CRCA</li> <li>b) Frame work: 2mm CRCA</li> <li>c) Doors and Covers : 2mm CRCA</li> <li>d) Base frame: 3mm M.S.Sheet.</li> <li>e) Gland Plate: 3mm M.S.Sheet.</li> <li>f) Painting: powder coated Siemens grey</li> <li>g) Labels: acrylic front engraved black block letters, white background.</li> <li>h) Degree of protection : IP-52</li> </ol> <p><b><u>Rating:</u></b></p> <ol style="list-style-type: none"> <li>a) Incomer : 160,4P MCCB</li> <li>b) Outgoing: 1). 63A, 4P MCB-4Nos. 2). 32A 4P MCB –5Nos.</li> </ol> <p>Make : Siemens/L&amp;T/Legrand/Equivalent</p> <p><b>Note : Dismantling of existing panel, checking connectivity and physical condition of existing connected load and termination of existing cables in new panel as per site condition is in the scope of contractor.</b></p>
ix)	<p>Fabrication, supply, wiring and ,installation of 12 way MCB enclosure and it's cabling from main 63A MCB incomer along with 14SWG copper bear earthing up to room. -4 Sets</p> <p><b><u>Rating:</u></b></p> <p>Incomer MCB : 32A TPN Outgoing: 16A SP – 5 Nos.</p> <p>Wiring : 4 mm<sup>2</sup> 4 core PVC insulated copper armoured FRLS cable Length : 10 meters for each set Make : Schinder/Siemens/L&amp;T/Legrand/Equivalent</p>

# POWER AND LIGHTING DB

INCOMER FROM PDB-1 IN S-64

