



RRMD, BARC
Trombay
Mumbai - 400 085
Telefax : 022 - 25595311

**Government of India
Bhabha Atomic Research Centre
Research Reactor Maintenance Division
Electrical Maintenance Section**

TENDER NOTICE

Tender No. : RRMD /TR-1/ TN- 18 / 2019

Date: 16-04-2019

Sub: Tender enquiry for provide rain water protection for new DG set building and FTP for both DG set at Dhruva and replacement of jetty substation door and other associated work.

Sealed tenders are invited for and on behalf of the President of India by the Head, RRMD, BARC, Trombay, Mumbai-400085 from experienced vendors for provide rain water protection for new DG set building and FTP for both DG set at Dhruva and replacement of jetty substation door and other associated work and as per the following terms and conditions.

Scope of work: Following jobs are to be carried out.

- Fabrication, supply and installation of safety sliding type door with rain water barrier in DG building.
- Supply, installation louvers in front of the rolling shutters of the DG rooms and the room exhaust fans.
- Sealing of opening holes/ducts.
- Painting of rolling shutters of both DG rooms.
- MS frame work to cover fuel transfer pipe line in new DG building
- Change of orientation of emergency door in DG building.
- Removal and shifting of old gate and installation of new gate with wicket door with proper pigeon prevent arrangement.

1. Terms and conditions:

- 1.1** The offer should be valid for consideration for 30 days from due date of the offer.
- 1.2** Contractor should complete the whole job within Three month from the receipt of work order.
- 1.3** Income tax @ 2%, will be deducted from your bill. TDS certificate to that effect will be issued by BARC.

- 1.4 Any delay which attributable to the contractor is liable for penalty @1/2% per week (maximum 5%) to be imposed on the contractor.
- 1.5 On complete execution of the work to our satisfaction, payment would be released on submission of bills in triplicate along with an advance stamped receipt.
- 1.6 The vendor should also clearly reply in his tender to “whether the contractor / vendor has any relative working in BARC or the contractor himself is an ex-employee of BARC or the contractor has any ex- employee of DAE on his payroll”.
- 1.7 Contractor should mention their PAN No. and GST Reg. No. in the quotation failing which the offer shall be rejected.
- 1.8 Since the job has to be carried out at Dhruva BARC, the employees deputed at site by the contractor should have a valid police verification certificate.

2. Instructions to tenderers:

- 2.1 **Industrial Safety:** Industrial Safety Undertaking will have to be signed after discussion between Contractor/Supervisor of concerned works contract & Safety Officer/Coordinator of Reactor Group. The contractor or executing agency shall adopt adequate safety measures as per the Job Hazard Analysis (JHA) control measures suggested. The personal protective equipment to contract workers, supervisors & engineers shall be supplied by the contractor at his own cost.
- 2.2 **General Requirement:** All workers, supervisors & engineers of the contractor shall wear necessary protective clothing, safety belts with harness, helmets & canvas/safety shoes properly laced & follow the safety requirements strictly, while working at site.
- 2.3 **For working at Heights:** All the persons should be physically, mentally fit & to work in heights, medical fitness certificate should be furnished for all workers. The responsibility of all safety precautions related with a particular job at site primarily lies with the Contractor. The contractor & his persons shall strictly observe all security and safety regulations prevailing at the site. The contractor & his team working at the site shall follow the safety measures as mentioned in "Safety with scaffolding" of GCC & other safety measures at site as per "Construction Safety Manual" available at www.tenderwizard.com/DAE or www.barc.gov.in. All the workers, supervisors & engineers of the contractor shall have proper medical certificates issued by the competent authorities.
- 2.4 Safe industrial practices for entering & working in confined spaces are to be followed by Contractor & his team, wherever applicable.
- 2.5 Safe industrial practices are to be followed for use of portable ladders & step ladders by Contractor & his team, wherever applicable.
- 2.6 All workers should be insured at the cost of the contractor for risk of working at BARC & no claim will be payable by BARC.
- 2.7 Tenderers should submit documents in support of their technical capabilities. Material supplied should be approved by EIC before delivery. Venders who have done similar work in DAE or other govt. organization and having test certificates from ERDA as per relevant IS will only be considered. Work is to be carried out by skilled technician only. Interested parties may contact Shri Rajkumar / Shri. M K Saraswat on phone no. 25594310 / 25596225 from 10 AM to 5 PM to visit the site and to collect the tender notice along with technical specification.
- 2.8 **Price quoted shall be filled up in the same format given in the Schedule-B inclusive of GST and no other charges will be payable.**
- 2.9 Tender shall be submitted in the sealed cover in the vendor’s standard company format quoting our **Tender no.** on the envelope and addressed to ‘Head, RRMD, BARC, Trombay, Mumbai-400085 and submitted in the RG Office, Dhruva’. The offers should be submitted so as to reach RG Office, Dhruva on or before **02-05-2019** up to 1500 Hrs. **Tender is to be sent only through registered post or speed post to, AO, RG Office, Dhruva Reactor, BARC, Mumbai 400085. Hand delivery or courier of tenders will not be accepted.**

- 2.10** Tenders shall be opened on the same day at 1530 Hrs or later as per schedule in RRMD office Trombay, Mumbai-85.
- 2.11** The acceptance of the tenders will rest with the Head, RRMD who does not bind himself to accept the lowest offer, and reserves to him the authority to reject any or all the tenders received without assigning any reason.
- 2.12** Quotation received after the due date and time shall be summarily rejected.

Thanking you,

Yours faithfully,

Sd/

(Alex Mathew)

MS-E, EMS

(For and on behalf of the President of India)

Enclosures: Schedule –A & B and tech. specification

Technical Specifications

1. Supply and Installation of Aluminum Louvers in outer frame for rain water protection for new DG Set Building:

Louvers to be made in 16G powder coated/Anodized Al sheet fixed in peripheral box. section of 100mmx25mm. (For covering Shutter partly and 4 Exhaust Fans size 600 X 600mm). All hard wares to be used for mounting of Louvers to be in SS 304.a fabricated sample piece of louvers to be approved by EIC before bulk order supply. installation of the louvers at site will be done as per specification or as per directed by EIC.

2. Painting of shutter door: Providing and applying 2 or more coats of Enamel paint of make Dulux (approved colour) painted on rolling shutter applied evenly to produce uniform even surface to approved finish including cleaning and preparing the surface, puttying as per manufacturer's specifications, applying a coat of approved primer, including scaffolding, etc. complete.

3. Supply and installation of Aluminum Sliding Window: Providing and Fixing of Aluminum Sliding Windows having 6mm toughened glass with all edges mounted on peripheral aluminum sections of size 150mm X 35mm. Shutters to be mounted on peripheral Aluminum Section of Size 50 X 50 duly powder coated/ Anodized in 16G. All Aluminum Sections to be Jindal make and hardware in SS 304.

4. Design and Fabrication of M.S Frame work: M. S. frame work in sections of various sizes as required by site condition and MS chequered plate with MS supports/beams/sections at regular intervals as per detailed drawings with necessary base plate and supports from walls and slab complete as per design & detail finished with approved paint.

5. Sliding Door Gate: Sliding door to be design, fabricate and installed to cover approximate area 2200X2550mm at new DG building entrance, having bottom half portion 4mm ACP Sheet to be used in all sections of Aluminum Partition and upper half having 6mm toughened glass with all edges mounted on peripheral aluminum sections suitable size as per site condition. properly clamped / fix to walls, ceiling and floor, without any plywood or gypsum. All Aluminum Sections to be Jindal make and powder coated / Anodized and hardware in SS 304.

6. Flooring: -flooring to be carry out with P/L vitrified tile of first quality, color, design and shade, pattern as Decided by EIC. The tiles should be laid over a properly prepared bed of cement mortar in line and level. All joints to be cleaned & 3mm wide grout to be there between the tiles with approved color Laterite, to the required line level at all heights and leads, as per detailed designs and drawings, including all labour, material, curing, cleaning. P.C.C-Providing & Laying PCC 1:3:6 of average thick 50mm of M 10 grade of concrete (1 cement :3 coarse sand: 6 graded stone aggregate 10 mm nominal size) in Pump Room below staircase and Panel Room in Jetty Area.

7. Sealing of Holes: about 10-12 holes/ cut out of various size to be Seal/plug in DG building with cement plaster and expandable liquid puff (fire resistant). All hardware to be in SS 304.

Intumescent Acrylic Sealant for upto 4 hrs rating with an application temp range of -20deg C to +70 degC confirming to BS 1366-4:2006. Sealant to have shore Hardness of 25-30 and movement capability of upto 7.5% of original joint size.

8. **Change of orientation of door:** Orientation of Existing Door (two nos.) in DG Set room to be changed (open outside) or as directed by EIC. All. Hardware to be in SS 304.

9. **MS Powder coated Metal Door:** Fabrication and supply of MS Powder coated Metal Door of 46mm thick in Electrical Room-Jetty Area-Size 58" X 113" with wicket door along with door closure. Door shutter to be fabricated in sandwiched panel of 1.2mm. GI Sheet. On all sides, while door frame in 1.5m. GI Sheet. All hardware to be in SS 304.
Aluminum Partition - Aluminum frame 16G of 2" x 1.5" sections fixed at c/c 1200 x 1200 both ways, properly clamped to walls, ceiling and floor, without any plywood or gypsum. 4mm ACP Sheet to. Be used in all sections of Aluminum Partition. (as per approved drawing or as directed by EIC). all hardware to be in SS 304.
False Ceiling-P/F Modular Grid (RH-95 plain tegular edge-Armstrong) G.I. PLANE 1/2"thick, 2' x 2' panels with silhouette grid as per approved sample inclusive of original Armstrong Frame work.

Cleaning / removal of pigeon drops from cable tray and other area in jetty switch board room by using vacuum cleaner.

Note: Most of all above mention job is related with height about 10-11 meter from ground floor so proper scaffolding will be required , scaffolding material may be given to vendor subject to availability ,if not available then vender has to arrange ,scaffolding installation and removal is in the scope of vender.

All fabrication work is to be carried out as per standard procedures. Material used should be of good quality as per approved list of BARC. Job is to be completed in all respect and if anything, which is not mentioned here but necessary to complete the work is to be supplied and installed by the vender without any extra cost. All the area is to be cleaned after completion of the entire job. It is duty / mandatory the vender to check/inspect the exact scope of work at site before submitting the quotation.

(M K saraswat)

Schedule –A

Tender No.: RRMD /TR-1/ TN- 18 / 2019

Name of Work: To provide rain water protection for new DG set building and FTP for both DG set at Dhruva and replacement of jetty substation door and other associated work.

Sl. No.	Description	Qty	Unit	Rate
1.	Water	As required	Litre	Free
2.	Electricity	As required	KWH	Free

Schedule B

Tender No.: RRMD /TR-1/ TN- 18 / 2019

Name of Work: To provide rain water protection for new DG set building and FTP for both DG set at Dhruva and replacement of jetty substation door and other associated work.

Sr. No.	Name /Description of items	Unit	Qty (a)	(Rate/unit in Rs.)			Total Cost(Rs.) (e=axd)
				Supply (b)	Installation (c)	Total (d=b+c)	
1.	Supply and Installation of Aluminum Louvers in outer frame for rain water protection for new DG Set Building as per specifications.	Sq.ft	433				
2.	Painting of Rolling shutter as per specifications, applying a coat of approved primer, including scaffolding, etc. complete.	Sq.ft.	660				
3.	Supply, fabrication & installation of Aluminum sliding window and sliding door with rain water barrier for new DG building staircase / entrance near fuel transfer pump as per specifications.	Sq.ft	126				
4.	Providing and fixing of M.S Frame work in sections of various sizes as required and MS chequered plate with MS supports/beams/sections at regular intervals as per detailed drawings with necessary base plate and supports from walls and slab complete as per design & detail finished with approved paint.	kg	600				
5.	Holes in Electrical Room to be plugged with cement plaster and expandable liquid puff (fire resistant) as per spec. All hardware to be in SS 304.	Job	1				
6.	Orientation of Existing Door in DG Set room to changed (open outside). All. Hardware to be in SS 304.	Job	1				
7.	MS Powder coated Metal Door of 46mm thick in Electrical Room-Jetty Area-Size 58" X 113". Door shutter to be fabricated in sandwiched panel of 1.2mm. GI Sheet. On all sides, while	Job	1				

	door frame in 1.5m. GI Sheet. All hardware to be in SS 304.						
8.	Aluminum Partition -Aluminum frame 16G of 2" x 1.5" sections fixed at c/c 1200 x 1200 both ways, properly clamped to walls, ceiling and floor, without any plywood or gypsum. 4mm ACP Sheet to. Be used in all sections of Aluminum Partition. (Refer drawing for details). all hardware to be in SS 304.	Sq.ft	110				
9.	False Ceiling-P/F Modular Grid (RH-95 plain tegular edge-Armstrong) G.I. PLANE 1/2"thick, 2' x 2' panels with silhouette grid as per approved sample inclusive of original Armstrong Frame work.	Sq.ft	25				
10	Flooring-providing and laying vitrified tile of first quality, color, design and shade, pattern as shown in drawing. The tiles should be laid over a properly prepared bed of cement mortar in line and level. All joints to be cleaned & 3mm wide grout to be there between the tiles with approved color Laticrete, to the required line level at all heights and leads, as per detailed designs and drawings, including all labor, material, curing, cleaning.	Sq.ft	200				
11	P.C.C-Providing & Laying PCC 1:3:6 of average thick 50mm of M 10 grade of concrete (1 cement :3 coarse sand: 6 graded stone aggregate 10 mm nominal size) in Pump Room below staircase and Panel Room in Jetty Area.	Sq.ft	200				
12	Cleaning/ removal of pigeon drops from cable tray and other area in jetty switch board room including shifting of removed MS frame old gate as designated place decide by EIC	job	1	---			
	Total	Rs.					

Basic Cost = Rs.
GST @ 18 % = Rs. –
Grand Total = Rs.
(Fill up the total in figure and words.)

Sign of contractor