

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

*Autonomous Institution of the Department of Atomic Energy, Government of India
(A Deemed University)*

Homi Bhabha Road, Navy Nagar, Colaba, Mumbai-400005

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REF: TFR/PD/CF13-029/130408

MAY 23, 2013

Please submit your quotation for the following items/ works:

ITEM	Qty.	Unit
<u>TWO PART TENDER</u> <u>CONSTRUCTION OF GRANITE FRAME WORK AND INSTALLATION OF UPVC WINDOW FOR ION SOURCE ROOM IN PELLETON BUILDING AT T.I.F.R. COLABA, MUMBAI 400 005 AS PER ATTACHED SPECIFICATION AND PROCEDURE.</u>	1	JOB
NOTE: <ul style="list-style-type: none">The Bid shall be in two part i.e. PART "A" (Technical Bid) consisting of Technical Bid and PART "B" (Commercial Bid) consisting of only Price.Approx. Cost of Tender : Rs. 19,61,000/-Cost of EMD : Rs. 39,220/-Security Deposit: 2 ½% of the gross value of the work will be deducted from the Contractor's bill towards Security DepositThe Tender Technical Bid Part "A" and Commercial Bid Part "B" addressed to the Admn. Officer (Purchase), TIFR, Mumbai should be submitted in two separate sealed envelope duly superscribed our enquiry reference and due date. in bold letters, addressed to the Admn. Officer (Purchase), Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005. The envelopes should be clearly marked on top as either PART A or PART B. The two sealed covers should be further put in a master cover superscribed with the Tender Enquiry No. and Due Date in bold letters, addressed to the Admn. Officer (Purchase), Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005. Quotation sent by hand delivery / courier are to be deposited in the Tender Box kept at the Main Gate after obtaining stamp, date and signature of the Security Officer.Due Date for submitting your offer is on or before 1300 hrs on 13.06.2013. Tenders will be opened on the same day at 1400 hrs. (Only Technical Bid Part A)You may contact Shri V. Srivastava, (Tel: 22782096, Mobile 9967730065) & Shri Y.G. Phadke (Tel : 22782693) Technical Service, TIFR, Mumbai 400005 for any clarifications.For further details, specifications, BOQ, Terms and Conditions etc., please visit our Website : www.tifr.res.in/tenders or www.eprocure.gov.in/cppp and Download our Tender Documents.Please mention your VAT/ST/CST Registration numbers on the Quotation, Proforma Invoice and Bills. Quotation should indicate make, delivery period, exact taxes applicable etc.Eligibility criteria : "The bidder must have Three similar works of 8 lakhs or Two similar works of 12 lakh or One similar work of 18 lakh in the last seven years. (similar work means building maintenance works including external painting to high rise structures not less 40 m in height)"The bidders will have to attend pre-bid meeting on 06.06.2013 at Technical Services at 3.00 p.m. (you may contact Shri V. Srivastava, Tel: 22782096, Mobile 9967730065 & Shri Y.G. Phadke Tel : 22782693).		

Yours faithfully,

Admn. Officer (Purchase)

SCOPE AND TERMS & CONDITIONS

SCOPE

The scope of work includes mainly following jobs at Tata Institute of Fundamental Research, 1, Homi Bhabha Road, Colaba, Mumbai.:

- a) Replacement of existing MS framed windows with UPVC windows in Ion Source room of the Peletron tower.
- b) Repairing, crack filling, sealing and painting of external surface of the Peletron tower.

An indicative drawing showing plan of the Ion Source room is enclosed. However, bidders are advised to make themselves fully conversant with the site condition and the specifications of the items to be executed.

TERMS AND CONDITIONS

- 1) **Time of Completion:** 180 (One Hundred eighty) days from the date of issue of the work order.
- 2) **Security Deposit:** 2 ½% amount of the gross value of the work will be deducted from the Contractor's bill towards Security Deposit. The Security Deposit amount will be refunded to the successful Contractor after 3 months of completion of work and on certification by the Engineer-In-Charge.
- 3) **Payment:** No advance shall be paid for civil works. Contractor shall raise the running bills for part payment of the work completed. An advance payment against specialized items may be paid upto 65% of the value of goods delivered at site.
- 4) Water & Electricity will be supplied by TIFR free of cost.
- 5) Contractor shall make arrangements for safe storage of his material on his own risk and cost. Open space will be provided for constructing the shed. The shed must be removed immediately on completion of the work.
- 6) Contractor may be required to complete the work by working in three shifts. There may be restrictions for noise in day time while work is in progress. If necessary work will be carried out after office hours in consultation with site in-charge. Contractor must be interacted on day to day basis for progress of work with site In-charge.

- 7) Work site shall be maintained cleaned all the time.
- 8) Quantity mentioned against each item is approximate whereas payment shall be made for the actual quantity of work done. Work shall be commenced immediately from the date of issue of work order/ letter of Indent.
- 9) All the unwanted debris shall be removed by the Contractor at his own cost to nearest approved BMC dumping yard.
- 10) Income Tax @ 2.00% will be deducted from the progressive bills.
- 11) The bidders should visit the work site before submitting their bids to get conversant with site conditions, which may affect the work and cost. No extra claim will be entertained for any reasons.
- 12) Quality of Granite & ceramic tiles to be checked & verified before starting the work at site.
- 13) **UPVC window installation shall be executed through specialized agencies authorized by the manufacturers. The UPVC windows shall be installed so as to provide a completely water-proof and air-tight solution for the purpose. This requirement is of special importance in view of the extreme exposure condition at the site.**
- 14) The bidder shall quote their rates/ price both in figures as well as in words against each item as specified in the bill of quantities. In the event of any discrepancy between the quoted rates/price in words & that quoted in figures, the rates/prices quoted in words shall govern.
- 15) The bidder must return the complete set of bid document. Each page of the bid should bear dated signature. Any bid not signed is likely to be rejected. All writing shall be in ink only. No part of the bid document should be altered.
- 16) No interest shall be payable on the deductions towards the security deposit.
- 17) Prices & rates quoted shall include the cost of all the materials, labour, equipments, temporary work, tools, supervision, transport, taxes, duties payable on all transactions, insurance etc. as applicable.

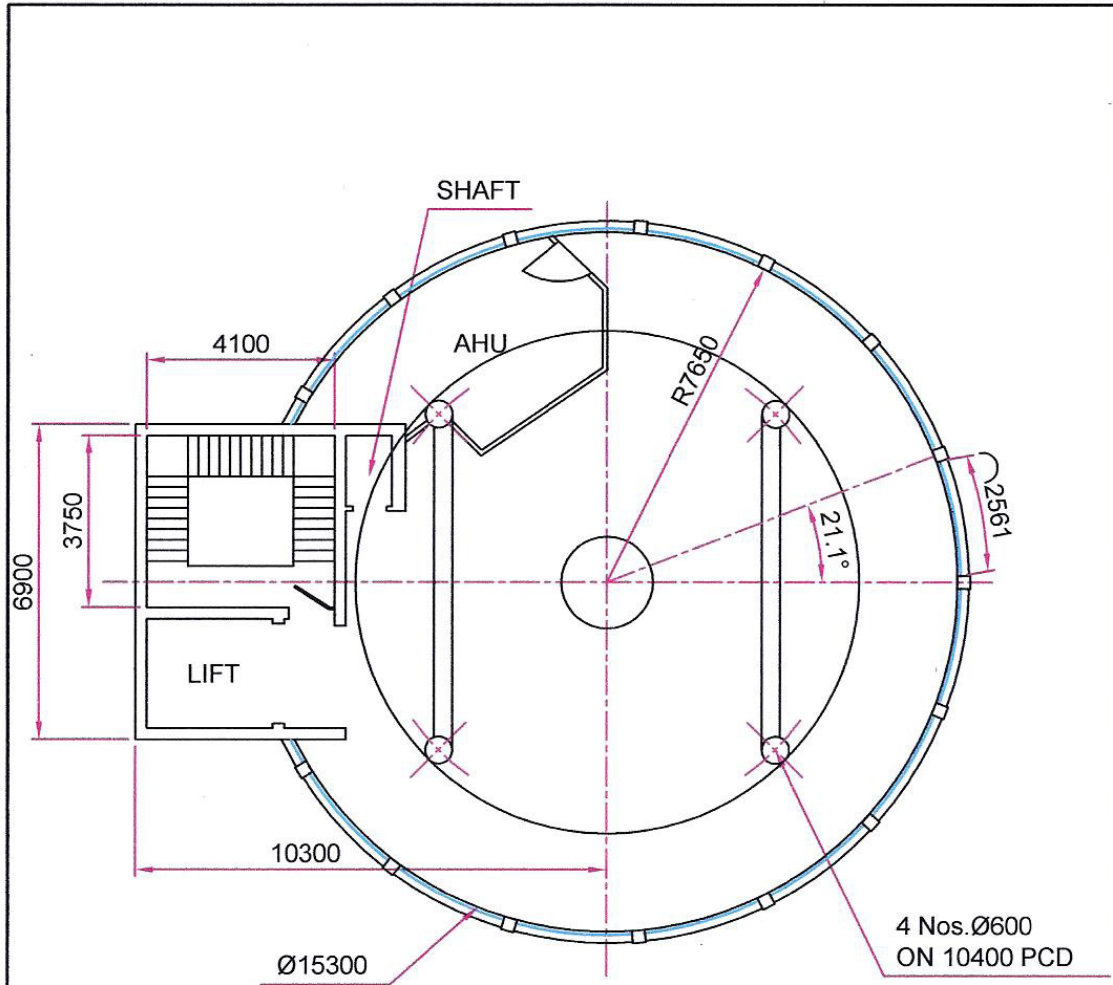
- 18) The Contractor shall inspect the site and ascertain for himself the nature, character and extent of work to be executed and shall include all the items and services necessary whether specifically mentioned or not in the specification to make the complete working system to meet the intent and purpose of the specification.
- 19) **Specifications:** Latest CPWD specifications, DCSEM specifications, Manufacturers' specifications.
- 20) **Approved makes:** Following is the list of makes for the items to be used in the work.
- a) Water proofing Compounds: Sunanda Chemicals, Mc-Bauchemie, FOSROC, Pidilite, Roffe.
 - b) uPVC Doors/ Windows: Fenesta, Aluplast, Lingel, Shuco, Winpro, Rehau.
 - c) Cement Based Paints: M/s Snowcem India Ltd. (Super snowcem, Sandex Matt), NITCO (Nitcocom) Paints, Hindustan Colour Chemical, Surfa coat, Terraco, Berger-Rabiacem.
 - d) Distemper & Paints: MA Asian Paints, Kansai Nerolac Paints Ltd., ICI Paints, Noble Paints, Berger Paints India Ltd., Jenson Nicholson, Garware Paints.
 - e) Glass for Doors/ Windows: Modi Guard, Continental, Emirates, Saint Gobain, Asahi & Sejal

**Construction of Granite Frame Work and installation of UPVC Window for ION
Source room in Pelletron Building at TIFR, Colaba, Mumbai -05.**


SN.	Description.	Quantity	Unit	Rate	Amount
I	Demolishing Work.				
i	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead. kg 1.55	14.00	Nos.		
ii	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 meters lead as per direction of Engineer - in - charge. 15.2.1 Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.00	Cu.m.		
iii	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	50.00	Sq.mt.		
II	Plastering.				
	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	10.00	Sq.mt.		
III	Concrete work.				
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)	1.00	Cu.m.		
IV.	Painting work.				
	Finishing walls with textured exterior paint of required shade. (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm.	2800.00	Sq.mt.		

SN.	Description.	Quantity	Unit	Rate	Amount
V.	Granite work.				
	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete. (Two separate sizes of 6" & 4" must be used for framing as directed by engineer in charge. Both measured seperately.)	200.00	Rmt.		
VI.	Scaffolding work.				
	Providing and erecting scaffolding system(cup lock type) on the exterior side for height of about 40 mts. Using 40 mm dia M.S. tube at 1.50 mt. center to center ,horizontal & vertical tube joining with cup & lock system with M.S. Tube with M.S. challis, M.S. clamps, & M.S. platform system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter .The scaffolding system shall be stiffened with bracings, runners ,connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in-charge .	3000.00	Sq.mt.		
	1) The elevation area of the scaffolding shall be measure for payment purpose .The payment will be made once irrespective of duration of scaffolding. 2) This item to be used for maintenance work judicially,necessary deduction for scaffolding in the existing item to be done.				

SN.	Description.	Quantity	Unit	Rate	Amount
VII	UPVC Window work				
	<p>Supply, fabrication and installation of UPVC framed casement windows for our Ion source room at Pelletron section, TIFR, Navy nagar, Colaba as per standard specification and procedure & as shown in the tender drawing. The UPVC profiles of frames and sash shall be mitered cut and fusion welded at all corners, including drilling of hole for fixing hardware and drainage of water etc., making arrangement for fixing hardware, EPDM gasket, with 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame shall be fixed to the wall with 8 mm X 100 mm long fasteners, all complete as per direction of Engineer-In-Charge. All screws to be used shall be of S.S. of make as approved by Engineer-In-Charge.</p> <p>The Top hung outside opening casement single glazed window shall consist mainly of:-</p> <ul style="list-style-type: none"> i. Casement frame of size 67 mm X 62 mm ii. Casement window sash/Mullion (67 mm X 75 mm) iii. Casement glazing bead (35 mm X 18 mm) IV. S. S. -304 grade, friction hinges of size 250 X19 X 1.9 mm v. Tinted, single glazing of thickness 5.5 mm with necessary gasket. vi. Multi point lock with handle. <p>Note:-The new windows shall be installed after removing the existing M.S. framed windows. After installing the new windows proper sealing shall be done by the installer so as to ensure that there is no leakage of water and outside humid air into the ion source room.</p>	21.00	Sq.mt.		



FLOOR PLAN @ 40.720

date: 04 May 2012	drg. no: TFR/ TSR / 2316	
scale:	title: EXISTING PELLETRON TOWER FLOOR PLAN AT 40.72Mts.	
drn. by: RAJEEV	chkd. by: J.H.Rangari	appd. by: S. N. IYER
	TATA INSTITUTE OF FUNDAMENTAL RESEARCH. National Center of the Government of India for Nuclear Science and Mathematics. Homi Bhabha Road, Navy Nagar, Colaba, Mumbai-400 005	