

GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
NUCLEAR RECYCLE GROUP
WASTE MANAGEMENT FACILITIES TROMBAY
ELECTRICAL ELECTRONICS & INSTRUMENTATION SECTION

Ref: WMD/ EE&I/ Ele/ Earth pit

WIP, Trombay,

Thursday 04th April 2019

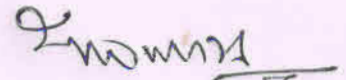
Notice Inviting Tender

Tender No Ref: WMD/ EE&I/ Ele/ Earth pit. dated 04/04/2019

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 licensed electrical contractors having adequate experience, capacity to execute similar works, staff having PVC and have experience of work in radioactive plant, in different units of DAE, NPCIL, Public Sector Undertaking etc.

Name of work: Construction of earth pits & Maintenance of Transformers of WIP T.
Work Description as per Annexure.

- 1- Tenderer may contact the undersigned for clarification, if any and site visit to understand the scope of work and site constraints. As the earth pits are to be constructed in the transformer yard, **site visit is mandatory to understand** the site condition and the quotation of the firm not meeting this condition will not be accepted.
- 2- Sealed quotation envelope superscripted with tender number, name of work & tender opening date should reach the undersigned on or before 16/04/2019 up to 14:00 hrs by Speed Post. The sealed quotation will be opened at DM room on the same day at 14:30 hrs.
- 3- BARC reserves the right to reject any or all tenders/applications without assigning any reason thereof.



Biju Thomas
SO/E
Ext.21060

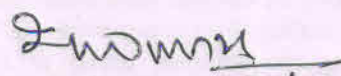
Annexure Tender Ref No : WMD/ EE&I/Elc/ Earth pit. dated 04/04/2019

Work Description

Item. No	Description of Work	Qty	Rate	Cost
1	Construction of earth pits: Work includes digging of earth pits in the transformer yard & installation of M/s. SPA infrastructure make or approved make Safe earthing GI electrode of 3 M long & 80 mm dia with 50 kg MFC , construction of 2 X 2 X 2 feet inspection chamber with MS chequered hinged door with handle and frame along with its painting with epoxy primer and paint.	05 No		
2	Supply of earthing electrode: Supply of M/s. SPA infrastructure make or approved make Safe earthing GI electrode of 3 M long & 80 mm dia with 50 kg MFC in bag.	05 Nos		
3	Installation of earth continuity connector: This involves laying of GI strip of 50 X 6 mm at a depth of 1 feet below the ground level with adequate digging. Joining of strips by welding/ bolting is in your scope.	75 Mtrs		
4	Supply of GI earth continuity conductor/ strip of 50 X 6 mm size.	75 Mtrs		
5	Termination of earth continuity conductor to existing & new earth pits with two number of SS bolts & GI clamps.	10 Nos		
6	Revamping of existing earth pits: This involves digging out the soil in the periphery of existing earth pits to a depth of 2 meter at a diameter of 2 feet. Filling of charcoal & salt to this space layer by layer to enhance the earth resistance. Re construction of inspection chamber & re termination of earth continuity conductors.	03 Nos		
7	Supply of charcoal in bags of 40 kg & common salt in bags of 50 kg.	03 set		
8	Painting of Transformers: Work includes the following. 1. Painting of transformers, Bus ducts of full length, its supports & gates after proper preparation with two coats of primer, two cots of epoxy paint and one coat of enamel paint after removing the existing paint and dirt. 2. Applying of metal putty to arrest leakage if any occurs during this process.	03 Nos		
9	Supply of necessary quantity of Berger/ Asian paints Make Paints- Epoxy Light gray color as per IS 631, Epoxy red oxide primer & Enamel light gray for paint for painting 2 MVA ONAN out door, 11 kV/433 V transformers and its bus ducts..	03 Nos		
10	Testing of oil samples: Work involves the following. 1. Collecting oil samples from transformers in sampling bottles & sealing them in our presence. 2. Getting the samples tested at ERDA / Trufile	03 Nos		

(Amount - 29)

	laboratory for the following tests 3. Oil sampling test as per IS335 including DGA test. 4. Testing should be carried out in the presence of departmental representatives if needed. 5. Submitting the test report.			
11	Replacing of three LT bushing gaskets of 2 MVA ONAN transformer with RC 70 grade gasket, arresting of oil leakage from the LT bushings of transformer.	01 set		
12	Supply of RC 70 grade gasket for three nos of LT bushings of 2 MVA ONAN transformer	01 set		
13.	Filling of transformer oil to transformer installed at WIP Trombay, Transformer yard using transformer filtering machine	3 Drums of 209 Ltrs. each		
14	Supply of transformer oil of M/s. Savitha Chemicals make Transol brand (Transol GE) refined as per IEC 60296/ IS 335 in GI barrel. Test reports of the sample should be submitted along with this.	3 Drums of 209 Ltrs. each		
15	Transformer oil filtration. Work involves the following. 1. Bringing oil filtering machine to site (WIP) 2. Machine should be having a capacity of minimum 600 LPH. 3. Carrying out the oil filtration (Minimum Three cycles or till the BDV becomes up to the mark).	3 Transformers		
16	Supply of Bi metal thermal over load relay , L&T make, MN 2 type, separately mounting, 2-3.3 A range along with its supply.	5 Nos		
17.	Maintenance of power control center panel consists of 15 verticals: This includes dusting & cleaning of bus bars after opening the bus chambers, maintenance of Air circuit breakers as per the standard procedure, tightening of cable termination and earthing system. As this is a shutdown job, it should be carried out on holidays & there by minimum six skilled and three semi-skilled persons should be made available on each day with required tools and tackles.	1 No		
18	Supply of Exide make, 12 V 185 AH Model No. XP 1800, Exide Xpress Heavy duty lead acid battery along with its supply, acid filling and initial charging for DG set starting:.	2 Nos		
	Total			
	Tax : 1. 5% tax to be levied on Supply items and the the required certificate for the same will be issued by the department. 2. On installation job/ labor part, the tax to be as per applicable rate.			
	Grant total			


 (Raja Ghomay)