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सत्यमेव जयते  
भारत सरकार

GOVERNMENT OF INDIA  
भाभा परमाणु अनुसन्धान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE  
Nuclear Recycle Group  
Development Division Technology

WIP Service  
Building, Trombay,  
Mumbai- 400085.

Ref.: BARC/NRG/TDD/PES/ETC/2018/02/enq/

Dt. 05 /09/2018

Dear Sir,

**Sub:** Minor fabrication Enquiry for "Fabrication, inspection, testing and supply of Differential Bobbin Coil for eddy current testing of SS 304 L tubes & Pipes as per technical specification."

We require the following work to be carried out on urgent basis:

S. No.	Description of work	Qty.	Remarks
1.	Fabrication, inspection, testing and supply of Differential Bobbin Coil for eddy current testing of SS 304 L tubes & Pipes as per technical specification.	03 Nos	The work shall be completed within 30 <u>Days</u> of issue of the work order

If interested, please submit your most competitive offer for this work, in a sealed envelope by **speed post** duly writing our letter reference number, on or before 15.00 hrs. on 18/09/2018. The offers will be opened on the same day at 15.30 hrs. in the office of A.A.O, Accounts Works, NRG, BARC, Trombay.

Technical Requirements:

1. The contracting firm shall have adequate knowledge of fabrication and handling of eddy current testing coils.
2. The work shall be carried out as per instruction of BARC staff at site of work.
3. Enclosed technical specification gives the requirement of tendered work in details.
4. Safety of the operating personnel and material being handled is required to be maintained by the firm.

Please note the following points:

1. Our technical specification (Annexure I) shall form a part of the W.O.
2. No material will be provided by BARC as free issue material.
3. The work shall be completed within 30 Days of issue of the work order.
4. The enquiries should be sent only by **speed post** and should be addressed to following address:

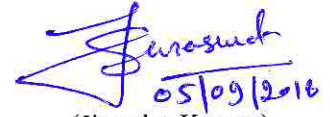
Jitendra Kumar, Technical Officer-C  
Project Engineering Section  
Technology Development Division, Nuclear Recycle Group  
WIP Process Building, Bhabha Atomic Research Centre,  
Trombay, Mumbai-400085

The Enquiries sent by any other mode (manual, courier etc) shall be rejected without assigning any reasons as per terms and conditions of Accounts, BARC.

The offer shall be kept valid for a period of 45 days from the date of opening. All taxes, levies and transportation charges if any, shall be brought clearly in your offer. Please note that BARC is exempted from paying excise duty. Accounts Officer, BARC, shall provide necessary certificate to this effect. Hence, your offer shall not include excise duty component and, if applicable, the same shall be indicated separately.

Full payment shall be made only after successful completion and acceptance of the work.

Encl. Technical Specification



(Jitendra Kumar)

TO/C, TDD, NRG

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## **Technical Specification for Eddy Current Test Coil**

### **Scope:**

This specification covers the technical requirements for fabrication of Differential Bobbin Coil for eddy current testing of SS 304 L tubes & Pipes .

### **Type of coil**

The coil should be of differential Bobbin type, suitable to inspect the hollow tubes and pipe.

### **Coil Diameter**

Coil diameter should be of 15.2MM, it should be suitable to inspect the 17 mm ID tubes & Pipes.

### **Friquency:-**

The frequency of the coil should be of 20 Khz.

### **USE:-**

The coil will be used for Detection of defects in austenitic stainless steel tubes (OD-25 mm & Wall Thickness-4 mm) as per ASME Sec V article

### **Cable length:**

The length of the cable should be minimum 30 meters.

### **Connector:**

The connector should be of 4 pin Amphenol and should be suitable for Insis Eddy Current Equipment.

### **Quantity:-**

03 (Three) Nos.