



Government of India  
**Bhabha Atomic Research Centre**  
Nuclear Recycle Group  
Process Development Division

Ref: PSDD/MF/TM/2021/ office/24408

Date: 16/12/21

**Sub:** Fabrication, supply, installation of electrolyser setup at OTF, BARC, Trombay as per the attached technical specification without any free issue material.

Dear,

You are requested to submit your quotation in sealed envelope for the above mentioned job. The material should confirm to our specifications. The reference no. given above should be clearly mentioned on the sealed envelope.

Due consideration shall be given to the following aspects while you submit your offer:

1. Quotation shall be printed on letter head in quotation format which should consist of GSTN, PAN Number of the firm etc.
2. Quotation shall be completed in all respects with regard to specifications, validity of offer etc.
3. Cost breakup may be provided as:

Sr. no.	Item	Qty.	Rate	Price
1	Electrolyser loop setup	1 Job		
			<b>Other charges</b>	
			<b>Total Cost</b>	

4. NIT will be issued to eligible tenderers from 17/12/21 to 24/12/21.

5. Sealed quotation shall reach the following address on or before 28/12/21 by 14:00 hr.

**Trushit Makwana**

SO/E, PSDD,

Room no. 204, CDCFT, WIP Complex,

BARC, Trombay, Mumbai-400 085

Tel: 022-25591392

6. Taxes, duties and other charges applicable, if any, shall be indicated separately.

7. Quotation shall be sent by speed post.

8. The work shall be completed within two calendar months from issue of work order.
9. The offer shall be valid for a period of thirty days and in case of placement of the work order, shall remain firm till the completion of the work.
10. The contractor may visit the site to fully understand the scope of the work.

*Trushit*  
15/12/21  
**Trushit Makwana**  
SO/E

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## Technical Specification

### 1. Scope:


The work includes fabrication, supply and installation of the setup for the electrolyser.

### 2. Electrolyser loop setup:

- a) Fabrication and installation of SS304, 2" angle structure of 1.5m height and 0.5m x 0.5m frame size for mounting of the electrolyser as per the site requirement.
- b) Fabrication and installation of SS304, 2" angle structure of 1m height and 0.5m x 0.5m frame size for mounting of DC power supply as per the site requirement.
- c) Fabrication and installation of SS304 support of pump mounting (4nos.).
- d) Supply and routing of VITON tube (OD: 24mm x ID: 20 mm): 25m as per the site requirement.
- e) Supply and installation of braided PVC pipe of 1 inch dia: 30m as per the site requirement.
- f) Repair of the existing 50L SS tank to stop leakage and provide glass level indicator at side.
- g) Installation of fabricated and supplied items as per the site requirement for completion of loop.
- h) Fabrication and supply of SS304 tank of ID 200mm x H 350mm x Thk. 8mm. with 15NB Sch 40, 100mm Long threaded nozzles and full bore ball valves (4 nos.) at each nozzles. Ball valve other end shall have serrated nozzle for hose connection as per the site requirement.
- i) Modification of the SS304 perforated basket of Dia. 300mm as per the site requirement.
- j) Fabrication of SS304 perforated basket of Dia. 300 mm x height 100mm x thickness: 2mm with flange arrangement and installation on existing setup.
- k) Minor modification may be required in the system for proper loop setup.

### 3. General:

- a) Work shall be carried out at OTF, PP Complex.
- b) No material will be issued by BARC as Free Issue Material (FIM).
- c) Std. guarantee shall be provided for 12 months.
- d) Material shall be dispatched to Assistant Stores Officer (ASO), WMZ Stores, BARC.
- e) All the dimensions and sizes mentioned in work details may vary accordingly to site requirements and shall be carried out accordingly.
- f) The contractor shall arrange all necessary equipment and personnel required for the successful completion of the work. BARC will provide only electricity and water.

  
**Trushit Makwana**  
SO/E, PSDD

