



Government of India
Bhabha Atomic Research Centre
Isotope & Radiation Application Division

Ref: IRAD/14/ 178

September 27, 2018

Sub: Invitation of Quotation for drilling 6 nos. monitoring bore wells at suitable locations around water pool in AHCAFRTA of IRAD at A-Block, CFB, North Site, BARC.

Dear Sir,

In connection with the above mentioned work you are requested to submit your quotation on the basis of the following requirements. The detail job specification is attached.

1. The Party shall procure all the materials required for the work.
2. All material & components shall be of tested quality.
3. Quotation must reach by speed / registered post through Indian Postal Service to **Head, Isotope & Radiation Applications Division** on or before **10th Oct 2018 by 16.00 hrs** and should be sent in a sealed envelope superscripted with the above **reference number** and **due date**. The tender will be open on **11th Oct 2018**.
4. The party should furnish their **PAN No.** and **G.S.T.No** along with the quotation, otherwise their quotations are **liable to be rejected** and it may also please be emphasized that quotation are submitted on printed letter heads.
5. The address on the envelope should read:
**Head,
Isotope & Radiation Application Division,
Bhabha Atomic Research Centre, Trombay
Mumbai - 400085
Attn: Shri V. K. Kumbhaj, Tel. No.:25597103**
6. The above mentioned work is subject to inspection by our officers. The work will be inspected by our officers at our site. Necessary inspection facilities should be provided to our officers for inspection at our site.
7. Contractor should have previous job experience in above mentioned work and personnel have must PVC with them.
8. The offer shall clearly indicate the time required for completing the entire work, taxes or levy, if any.
9. Head, Isotope & Radiation Application Division, BARC reserves the right to accept / reject any or all quotations without assigning any reason.
10. For any queries, the fabricator may contact on telephone number 022-25597103. Contact person Shri V. K. Kumbhaj.

Head, IRAD

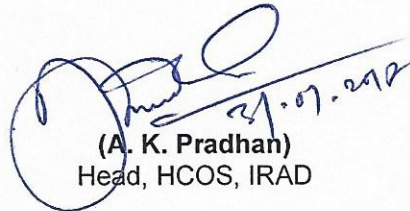
Enclosures: Detail Specification

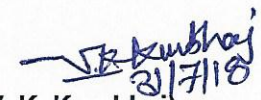
**BARC Website
SIRD, CC**

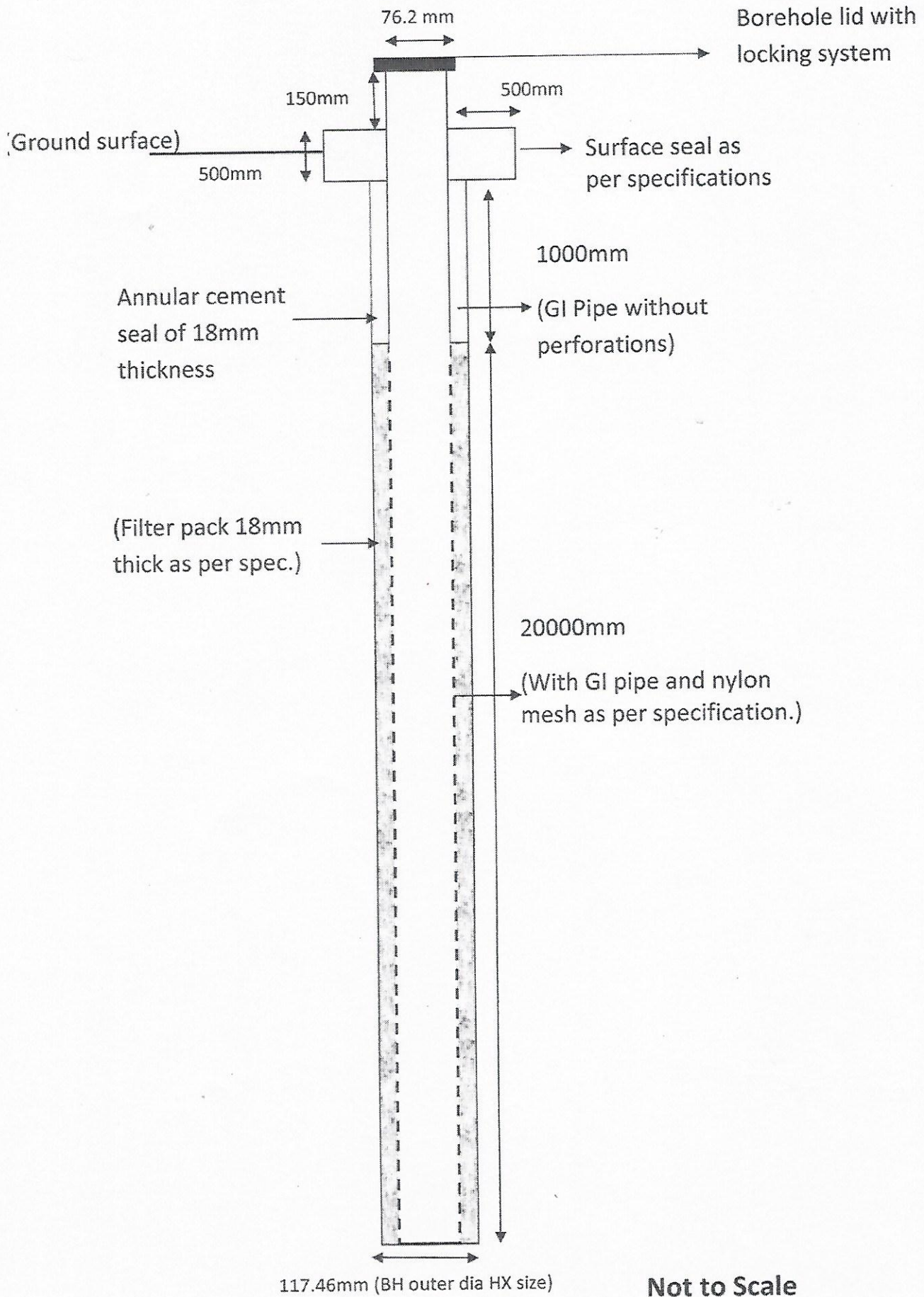
डॉ. प्रदीप कुमार पूजारी
Dr. Pradeep Kumar Pujari
Associate Director/सह-निर्देशक
रेडियो रासायनिक एवं आइसोटोप वर्ग,
Radiochemistry & Isotope Group,
भारतीय परमाणु अनुसंधान केंद्र,
Bhabha Atomic Research Centre,
Trombay, Mumbai-400 085.

Detail Specification for drilling of 6 nos. monitoring bore wells at suitable locations around water pool in AHCAFRTA at CFB, North Site, IRAD, BARC

(A) Monitoring Boreholes details budgetary		
I	Length of individual borehole	20 m
II	Size of the borehole	Outer diameter: 117.46 mm (HX Casing) with installation of well screen along borehole depth.
(B) Well Screen Details		
III	Length, schedule and diameter of screen	<p>From top of the borehole up to collar : 65 mm C Class heavy duty GI pipe of 76.2 mm diameter without perforation (As per IS 1239 double column part I 2004) made of Tata/Zenith steel as per drawing</p> <p>From borehole collar upto 1500 mm depth: C Class heavy duty GI pipe of 76.2 mm diameter without perforation (As per IS 1239 double column part I 2004) made of Tata/Zenith steel</p> <p>1500 mm to 20000 mm : C Class heavy duty GI pipe of 76.2 mm diameter without perforation (As per IS 1239 double column part I 2004) made of Tata/Zenith steel (Each pipe of 6000 mm length, top 300 mm and bottom 300 mm without perforations (6mm dia, 25.4 mm pitch) , rest 54000 mm with perforations as per attached drawing</p> <p>The GI pipe needs to be wrapped with double layer of nylon mesh with 1600 holes/ sq inch. The mesh to be attached to pipe with nylon clip locks</p>
Annular Seal		
IV	Length	1000 mm from top of the filter pack up to borehole collar Material: Neat cement
Filter Pack		
V	Length	19000 mm from bottom of the BH up to bottom of the seal Material: Clean quartz sand well rounded with < 5% siliceous material : grain size
Surface seal/ground		A 1000 mm X 1000 mm Square surface seal of 500 mm thickness of neat cement or concrete surrounding the well shall be constructed. The bore top shall be provided with GI cap and locking system. The borehole identification shall be written on the exposed section of the well pipe using yellow paint on the background
Manual digging length		Up to 1500 mm from ground level


 (A. K. Pradhan)
 Head, HCOS, IRAD


 (V. K. Kumbhraj)
 SAE, HCOS, IRAD



Line sketch of Boreholes with various components and dimensions