

Government of India
Bhabha Atomic Research Centre
Nuclear Agriculture and Biotechnology Division
Plant Cell Culture Technology Section

Ref: NABTD/2018/ 112658

June 5th, 2018

Sub: Invitation of quotations for service and replacement of faulty ball bearing of Heavy Duty Three Tier Illuminated Rotary Shaker (steelmet make)

1. Quotations are invited for service and replacement of faulty ball bearing of an existing heavy duty three tier illuminated rotary shaker (steelmet make).
2. The details of the repair, service and replacement of the ball bearings are attached with the proposal. Technical specifications of the instrument are also attached.
3. The bidder shall quote for the service, repair and replacement parts including all the additional cost like labour charges, taxes etc.
4. Quotation must include PAN/TIN/ ST No. etc of the firm/ supplier. Excise duty and taxes applicable has to be indicated separately.
5. The quotation must be sent in a sealed envelope (by speed post) super scribed as "service and replacement of faulty ball bearing of Heavy Duty Three Tier Illuminated Rotary Shaker (steelmet make) (Attn. Dr. TR Ganapathi)" indicating the reference and due date.
6. The quotation must reach to "The Head, Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400085 (Maharashtra) by 22th June, 2018.
7. The repair and replacement service has to be completed within two months from date of issue of work order.
8. Director, BSG, BARC reserve the right to accept or reject any quotations without assigning any reason.



Dr. TR Ganapathi
Scientific Officer-H
NABTD(BSG)
BARC

Through 
Head, NABTD, BARC

अध्यक्ष, नाभिकीय कृषि एवं जीव प्रौद्योगिकी विभाग
Head, Nuclear Agriculture & Biotechnology Division
बहाबा परमाणु अनुसंधान केंद्र/Bhabha Atomic Research Centre
ट्रॉम्बे, मुंबई-४०० ०८५./Trombay, Mumbai-400 085.

Service and repair of the Heavy Duty Three Tier Illuminated Rotary Shaker (make steelmet)

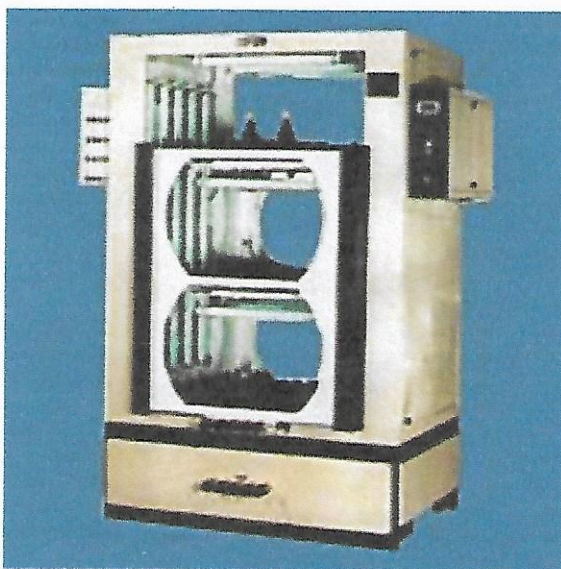
Note:- The instrument is making unusual noise and inspection by expert indicated replacement and servicing as mentioned below:

Following parts need to be replaced and serviced :-

- 1) Ball Bearing big 3306 ATN9:- 07
- 2) Ball Bearing Small 6306 Z :- 8 no.
- 3) Lubrication pipe, aluminum fittings & grease box
- 4) Alignment, overhauling of Shaker mechanism

Technical specifications of the instrument

HEAVY DUTY THREE TIER ILLUMINATED ROTARY SHAKER (Make steelmet)



Technical specifications	
1	Capacity: 85 Clamps of 250 ml. flasks on each tier.Total 255 flasks
2	Platform Size: 32" x 32 " approx.
3	Overall Dimension: D x W x H = 34" x 60" x 68" approx
4	Rotary Stroke: 38mm fixed
5	Speed: 50-150 rpm controlled by AC Frequency Drive
6	Indication: Digital
7	MECHANISM: Five Crank Shaft Assembly (Patent no. 171887)
8	DESIGN REGN.NO.: 165204
9	Electric Motor: 0.5 H.P. A C motor.
10	Power Required: 230 V 50 Hz Single Phase, 15 Amps Stabilized.
11	Illumination: By fluorescent tubes with electronic ballast