"Thapar Institute of Engineering and Technology
(Deemed to be University under section – 3 of UGC Act, 1956)"
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Enquiry No. TIET/CS/AA/CED/
Dated : January 25 ,2018

Sub: Request for Quotation(s) for supply of Rainfall simulator

Dear Sir

We shall be grateful if you kindly let us have your lowest **quotations** for the following materials. THE QUOTATIONS SHOULD REACH THE UNDERSIGNED **LATEST BY** February 09, 2018 through courier or e-mail (quotation sent by mail from distant locations needs also to be validated through courier/ regd post as hard copy) accompanied by appropriate illustrative literature/catalogues/pamphlets/technical details and specifications as the case may be. **On the quotation envelope/ subject the Enquiry Number & Date should be mentioned on the top of the Envelope/mail subject.**

Sr. No.	Item Name	Qty.
1.	**Rainfall simulator** **See attached sheet for specifications, and details** **Kindly send technical bid and commercial bid separately)** **Technical bid should have references of same equipment/ material supplied** **(Also send the relevant documents as per attached circular ignore if already sent earlier)**	**01 Set**

The offer sent by you must furnish the following details:

1. Name, Make & specifications of each item.
2. Cost of the item with MRP.(Treat it mandatory)
3. Educational discount if any.
4. Validity of quotation should be at least 60 Days.
5. GST extra.
6. Delivery FOR Thapar Institute of Engineering & Technology, Patiala/ CIP Delhi for import products kindly mention HSS code of each product and attach copy of BOE of item last cleared in support
7. Insurance, Freight & other charges if any.
8. Minimum Delivery Period.
9. Payment terms. Net 30 days against delivery or satisfactory installation at Thapar University. whichever applicable
10. Guarantee / Warranty Information.

Regards,

Sd/-

Head Commercial

Details of Rainfall simulator:

Length = 3.0 m

Width = 1.5 m

Depth = 0.5 m

Slope adjustment is required

No of sprinkles/nozzles should be provided in such a way that whole area should be uniformly distributed with rainfall. Flow rate is 1-6 litres/min for each nozzle.

Flow rate for pump for whole area = Minimum 1500 lit/hour. It can be more than 1500 lit/hour

Discharge and intensity of rainfall measuring devices should be installed. Temperature sensor fitted in simulator for measuring the soil temperature is required.

Recirculation of water arrangement is required in simulator. Provision for closing of recirculation option is also required.

Slot for Collection of water samples should be provided at the bottom in longitudinal direction of tank at 0.1 m of intervals on centre line as well as both sides of centre line as shown in Fig 1. Fig 1 is showing sample of 3 slots only but it will continue throughout the length on centre line as well as both sides of the centre line. The spilling water from tank or slots provided in the tank should go to outlet tank.

Transparent side wall will be appreciated if possible. Wheel arrangement at the base will make easy for movement of the whole apparatus.

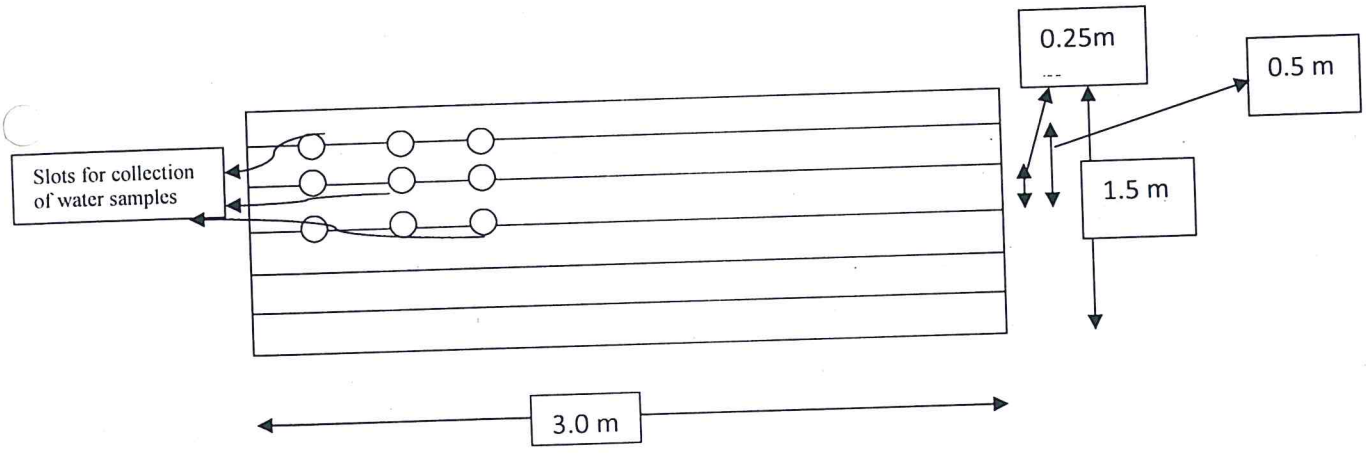

Fig 1: Plan of rainfall simulator

28/12/17