

**CENTRAL INSTITUTE FOR COTTON RESEARCH
REGIONAL STATION, SIRSA-125055 (HARYANA)**

Ref. No. F.No. /RS/Stores/

Dated 19.1.2009

Subject : Containment facility

Sir,

Sealed quotation are invited by the Head, CICR, Regional Station, Sirsa for the Containment facility

Specification for Containment facility

1. **Length** : 55 feet
 2. **Width** : 25 feet
 3. **Height** : 15 feet at the top of the trust
 4. **Side height** : 9 feet at the bottom of the trust
 5. **Fabricated structure** :
 - a. Arch type trusts, Length 55 feet; central height 15feet; number of trusts 5-6; make 47X47, 38X38, 32X32 and 25X25mm GI square pipe for making frame and round pipes for making the trusts.
 - b. Vertical pipe 47X47, 5mm thickness, height 3m, at each 2.1 meter distance, 10-12 mm thickness base plate (rust proof)
 - c. Side framing to hold the triple walled polycarbonate sheet. 38 x 38 and 25x25 sq. tube 2 mm thickness of GI make and rust proof
 - d. All structure should be painted with white enamel paints
- Plinth :**
- a. Dimensions: (Length x Width x Height) 50 feet x 25 feet x 45 cm
 - b. PCC (perpetual cement concrete) (1:4:8) Footing bottom and beam bottom 14.55 cum
 - c. RCC (Reinforced cement concrete) (1:2:4)
 - i. Box footing : 28 x 1.2 x 0.350 m
 - ii. Column : 28 x 1.15 x 0.350
 - iii. Plinth Beam : 0.35 x 70.20 x 0.3m
 - d **Concrete tunnel** : 0.3 x 0.75 x 30 meter
 - e. **Leakage proof covered Water tank underground** : 2.5 m x 2.5m x 2m (depth)
 - f. **Plaster and painting:** outer: inner: top and painted.
6. **Triple walled 8mm Poly carbonate sheet.**
 7. **Sealing of joints:** All the joints of sheet duly sealed with silicon sealant to avoid leakage.
 8. **Cooling pad** : Celdux type cooling pad with rust proof M.S. angle frame: Height 1.5m x Length 30 m with G.I. Mesh.
 9. **Air curtain** : 3' with auto on/off switch
 10. **Water circulating channel:** G.I. sheet 0.7 thk (Height 150mm x 50mm, 30 meter and all the system should have proper plumping.

11. Water circulating pump for above description of (Rubi make) ISI marked

12. Blower (Belt driven)

- Dmns : 1200 x 1200 or 1200 diameter
- 1.5 HP Branded motor (I.S.I Standard)
- No. of blowers: Two

13. **Control panel:** Temperature controller: Digital with setting from 01 To 99.9 PT
100 sensors for operating cooling system. **Light controller:** Digital photoperiodic
24 hrs.

14. **Stainless steel mesh** : 40-mesh (pore size) for the blower and cooling pad for
pollen preventing

15. **Irrigation system** : By providing hanging type micro sprinkler nozzles to be
fixed in LLDPE pipe 16mm Dia. Heavy duty Monoblock ISI marked pump, filter
control valve and other fittings

16. **Lighting system:** Normal tube light with CFL fittings (six No) in the poly house
(**Philips make**)

17. **Electric fittings:** All the electric fittings and control panels should be ISI marked.

18. **Buffer room:** With two doors of 3' x 6.5' should be made of GI sq. pipe covered
with poly carbonate sheet of GE make.

Note:

1. The firm should have sufficient experience in related works. For proof pl attach
the list of already completed works.
2. The firm should give minimum one year warranty of all the parts fitted in the
containment facility.

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1. Quotation along with the make, quality and necessary literature should reach to
this office on or before 3.02.09 along with terms and conditions
 2. Maximum period allowed for delivery F.O.R. Regional Station , Sirsa will be 15
days from the date of issuing the purchase order.
 3. The Sale Tax or other tax should be mentioned separately. No any forms will be
issued.
 4. In case supply is not made within the fixed period, the office reserves the right of
canceling the order.
 5. The payment will be made after completing the delivery /Installation as per
specifications and quality given in quotation .
 6. Breakage and losses during the transit will have to be borne by the suppliers and
charges on such account will be deducted proportionately.
 7. The Head, CICR, Regional Station, Sirsa reserves the right to accept or reject the
quotation without assigning any reason.
 8. On the envelop word QUOTATION Containment facility should be written.
 9. Material will be accepted only after given satisfactory demonstration.

Head
CICR, Sirsa