

ICAR Research Complex for NEH Region
Tripura Centre, Lembucherra, West Tripura, Tripura-799210
(DBT Jackfruit Project, KVK, South Tripura)

TENDER SCHEDULE I

Quantity (Tentative) – 1 unit each

Earnest money: 3000/-

Estimated Cost (Max) of Work: 1.00 Lakh

(Inclusive of all taxes)

1. Installation of Shade Net.

Specification/ details

Details of the Shade net: Size (30x5.0x2.70) m

MS angle pillars-40x40x5 mm (3.3 m long each-6 nos.) 2.5 m centre to centre embedded in CC 1:2:4 of size (0.254x0.254x0.65) m 0.15 m above ground level and 0.50 m below ground level in the middle 3.0 m long-12 nos. at the two sides; Truss of angle iron 25x25x5 mm-12 nos. and MS flat 25x5 mm-7 nos.; covered with 75% shade net; 3 nos. of raised beds of brick masonry in cement mortar 1:4 - 0.15 m above ground level and 0.225 below ground level over 1:5;10 CC of thickness-0.0762m and cement plastered with cement mortar of 1:4 over the exposed surface; sand filling of 0.10 m inside the raised beds ; priming and painting etc. complete.

Quantity=1 no. (150 sqm)

Rate Quoted for the above / tender in Rs. (Rupees) only

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TENDER SCHEDULE II

Quantity (Tentative) – 1 unit each

Earnest money: Rs.9000.00

Estimated Cost (Max) of Work: 3.0 Lakh
(Inclusive of all taxes)

1. Installation of Green House-240 sqm

Details: Total Working Floor Area: 240 sq. m

Specification/ details

I. Fabrication cost with material of Greenhouses

Material for structure: Hoops, foundation and Perlin: B-class anti-corrosive, ISI marked, humidity resistant with zinc coat, G.I pipe (Main column/secondary Column-76mm, foundation pipe & Bottom cord- 60mm, Top purlins & Corridor-48mm, Top cord & Purlins-43mm, Bracing-33mm, Curtain pipe-27mm:: with 2mm thick). Foundation: RCC foundation (1:2:4) BT Metal, RCC Piller 12' x 12' with 2'-2'6" with 600 mm dia below actual ground level. Foundation pipe- 60mm OD 2mm thick (ISI Mark, B Class). Polygrip assembly: Poly lock profile of Aluminium section with 12 gauge G.I. materials with G.I. nut bolts and screws. End frames: 45 mm square conduit pipe (2 mm thick), one door (6'3" x 3' m) with locking system and pinion system, painted with primer and two coats of white enamel paint. Cladding material: UV stabilised 5 Layered LDPE Sheet 200 microns thick with Anti dust, anti condensed and anti drip properties. Shading: 50% UV stabilised HDPE Agro-shading net (Green/Black color with collapsible system. Gutter: 1 mm G.I. Sheet with 28 m length with placement at 4.5 heights. Ventilation: Four side ventilation upto the height of 3m & 0.75 m top with 40 x 40 nylon mess.

Cooling system for greenhouse- Micro Humidification system (4 bar with droplet size 50-100µm) consisting of Fogger/Mister (7.0 LPH, density-0.3 m – 0.4 m²) with Cross way nozzle hanging type (Upright), 16 mm LLDPE Pipe, 1 HP monoblock pump (ISI Make), Filter screen, Pressure motor, Return gutter, Control Valve Assembly, Micro nozzle for way plasto/DAN, Double Layer PVC water tank 1000 litres capacity Sintex make, PVC Pipe (32mm/25mm)/GI fittings, Exhaust fan (GEC), Louver and safety cover for each fan. Temperature control device: Microclimatic Temperature controller (Two set point) with wide selectable temperature ranges from 0° to 100°C, 4.4 KVA, display resolution 0.1°, Accuracy + 0.1°C, Automatic hysteresis control, Input-200-240 VAC, 50 Hz, Single phase, Ambient 5°-50°C, RH upto 90%. Plitz/Cyclic Timer: 0-999 Min/sec On and Off, automatic cycling, Accuracy quartz, misting unit load upto 4.4 VA, Input-200-240 VAC, 50 Hz, Single phase, Ambient 5°-50°C, RH upto 90%.

II. Isolation chamber for Greenhouse (Entry Gate Area)

Size: 2 m x 1 m x 2.5 m made of 40 mm square MS conduit pipe of 1.6 mm thick and 200 micron UV stabilised sheet, one door of 2.5 m x 1 m with aluminium L drop.

III. Skirt wall for greenhouse

60 cm x 22 cm, 30 cm below ground and 30 cm above ground, plaster on both side with 1:4 cement sand mortar. Made of A-class bricks.

IV: Raised bed construction

3 nos. of raised beds (20.0 x1.5)m of 1st class brick masonry in cement mortar 1:4 - 0.15 m above ground level and 0.225 below ground level over 1:5:10 CC of thickness-0.0762m and cement plastered with cement mortar of 1:4 over the exposed surface; sand filling of 0.10 m inside the raised beds .

V. Scope of Work:

Providing and doing foundation, providing fabrication and erection of complete structure, providing and fixing gutter, providing and GI profiles, providing and fixing Poly film 200 micron UV clear polythene, Fixing of doors, curtain and etc, providing and fixing 50% shade net below the roof at gutter height.

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TENDER SCHEDULE III

Quantity (Tentative) – 1 unit each

Earnest money: 4,200.00

Estimated Cost (Max) of Work: 1.40 Lakh
(Inclusive of all taxes)

1. Sinking of Mini deep tube well, Installation of submersible pump and underground PVC distribution pipeline of 50 m long

Specification details

Sinking of Mini deep tube well, 100 mm dia-40.5 m blind UPVC pipe, 21 m ribbed UPVC screen after reaming to 250 mm dia. and washing the enlarged hole; Providing and shrouding of the tube well assembly with washed pea gravels(2.0 to 4.75 mm effective size); installation of 2 hp submersible pump (Kirloskar make-oil filled), 40 m submersible cable, 30 m long(40 mm dia) GI delivery pipe fitted to pump; MS panel Box of (0.90x0.60x0.45)m size with locking arrangement; service connection to pump with earthing set (40 mm dia GI 4.5 m long pipe, charcoal, salt, earth wire etc.); 50 m long underground PVC distribution line with two delivery points at a ht. of 1.2 m above ground level, riser of GI 25 mm dia pipe along with brass ball valve each-2 nos.

Quantity= 1 no.

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TENDER SCHEDULE IV

Quantity (Tentative) – 1 unit each

Earnest money: 3750/-

Estimated Cost (Max) of Work: 1.25 Lakh
(Inclusive of all taxes)

1. Installation of Fence and Iron Gate

Specification/ details

Details of fence: 160 m long

MS angle pillars-40x40x5 mm (1.80 m long each) 2.0 m centre to centre embedded in CC 1:2:4 of size (0.254x0.254x0.60) m 0.10 m above ground level and 0.50 m below ground level; Hard drawn wire net-10 gauge fitted by welding with MS flat-25x5 mm at top and bottom to MS angle pillars; priming and painting etc. complete.

Quantity=1 no.

Details of Iron Gate: 3.0 m width and 1.5 m high

MS pipe pillars-48.3 mm external dia (2.5 m long each-2 nos.) embedded in CC 1:2:4 of size (0.254x0.254x0.75) m, 0.10 m above ground level and 0.65 m below ground level; Frames of shutter of Angle iron 25x25x5 mm 0.50 m centre to centre both ways, Size of shutter= 2 nos. of 1.5m each and fitted with Hard drawn wire net-10 gauge by welding with MS flat-25x5 mm; priming and painting etc. complete.

Quantity= 1 no.

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