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TENDER NOTIFICATION

Reference No. Dir/CRSMF/Hi-Tech Poly-house/01/2018-19

Dated: 21/01/2019

A sealed quotation is invited from interested reputed concern having experience in executing similar type of jobs for following items within 10 days of this notification:

Items:

A. Construction of Hi-Tech Naturally ventilated Poly Green House (Tubular Structure) to be installed at Crop Research and Seed Multiplication Farm, The University of Burdwan (Detailed specification enclosed)

The prices must include GST otherwise the quotation will be liable to be rejected. The agencies should submit the copy of trade license, PAN Card, GST registration and credential certificate of executing similar type of jobs along with the quotations.

The Quotations should be submitted within office hours in the office of CRSMF within 31/01/2019 at TARABAG, CRSMF, THE UNIVERSITY OF BURDWAN.

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Director, CRSMF



Construction of Hi-Tech Naturally ventilated Poly Green House (Tubular Structure)
to be installed at Crop Research and Seed Multiplication Farm, The University of Burdwan

Details Specification Of 500m² Poly House

Main feature of Structure (with approximate measurements):

- Area: 500m²
- Hight: 6 meter
- Gutter Hight: 4 meter
- Stub type anchoring foundation
- Multy span total galvanized and GI nut bolted structure
- Aerodynamic shape along all peripheries to resist more wind velocity
- Manually operated curtains.
- Ventilation: Naturally ventilated (open vent)
- Section: 8 meter X 4 meter

A. Structure

Sl. no	Particulars	Specifications	Unit	Quantity
1	Foundation Pipe	60mm OD, 2mm thickness galvanized iron pipe	Meter	32
2	Column	76mm OD, 2mm thickness galvanized iron pipe	Meter	128
3	Tie beam (bottom cord)	60mm OD, 2mm thickness galvanized iron pipe	Meter	96
4	Hockey	48mm OD, 2mm thickness galvanized iron pipe	Meter	132
5	Arch	42mm OD, 2mm thickness galvanized iron pipe	Meter	144
6	Member	33mm OD, 2mm thickness galvanized iron pipe	Meter	96
7	Purling	42mm OD, 2mm thickness galvanized iron pipe	Meter	304
9	Door Structure	42mm OD, 2mm thickness galvanized iron pipe	Meter	48
10	Kurten roller	25mm OD, 2mm thickness galvanized iron pipe	Meter	80
11	Door	2mtr length and 1 meter width. Structure bade by 1.5" X 1" squire iron bar and covered by 2mm thickness molded fiver sheet with door handle and lock	nos	2
12	Profile	1mm thickness molded aluminum profile for poly film fixing	Meter	400
13	Spring	2mm GI zig zag spring for poly film locking	Meter	700
14	Gutter Sheet	500mm width and 1mm thickness PVC long sheet, UV ray protected and stabilized.	Meter	24
15	Self drill Screw	1"X 2mm	nos	1500
16	Nut Bolt	GI	GK	50
17	Clump	1.5mm thickness, 76mm full rounded GI clump	nos	40
		1.5mm thickness 76mm half rounded GI clump	pear	40
		1.5mm thickness, 60mm full rounded GI clump	nos	80
		1.5mm thickness, 60mm half rounded GI clump	pear	18
		1.5mm thickness, 42mm full rounded GI clump	nos	90
		1.5mm thickness, 42mm half rounded GI clump	pear	70

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B. Cladding materials

Sl no	Particulars	Specifications	Unit	Quantity
1	Poly Film	200 micron thickness , UV stabilized, UV protected, anti drip, anti fog, five layer Green house poly film	m ²	1150

C. Shading materials

Sl no	Particulars	Specifications	Unit	Quantity
1	Shade net	50% shedding, 90 GSM, UV stabilized agro shade net	m ²	570
2	Insect proof net	40 mesh thickness, UV stabilized insect proof net.	m ²	250

D. Foundation & Installation

Sl no	Particulars	Specifications	Unit	Quantity
1	Installation	Fitting & fixing	m ²	500
2	PCC casting	4:4:1	Ft ³	50

E. Micro Irrigation system(Drip/Micro sprinkler & Fogger)

Sl no	Particulars	Specifications	Unit	Quantity
1	Main and service line	50mm UPVC agriculture pipe	meter	42
2	Upvc 'Tee'	50mm	nos	1
3	Upvc 'Elbow'	50mm	nos	2
4	Ball valve	50mm	nos	2
5	Screen filter	7 m ³ with 40 mesh screen	nos	1
6	Plain lateral tube	16 mm LLDPE tube	meter	1000
7	Venturi system	1" for fertigation	nos	1
8	Dripper	4 LPH, washable	nos	1500
9	Fogger	24 LPH, 4 way	nos	45
10	Take off	16mm	nos	30
11	Grommet	16mm	nos	30
12	End lock	16mm	nos	30
13	GI wire	4mm	meter	200
14	Straight connector	16mm	nos	40
15	Solvent cement		Gram	250
16	Sand separator Filter	10m ³ with back wash system	nos	1
17	Installation	PVC & Drip	m ²	500

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