



BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

Nadia Krishi Vigyan Kendra
Gayeshpur, Nadia, West Bengal-741234

From: Dr. Krishna Kishor Goswami, Sr. Scientist & Head
Principal Investigator, RKVY Project

Email: nadiakvk@gmail.com/
malayhort@gmail.com
Mob. 9434241001/9836305630

Ref. No.: KVK/N/121/22-23

Date: 29.08.2022

Ref. e-Tender ID: 2022_BCKV_399515_1

NOTICE INVITING e-TENDER

The Principal Investigator, RKVY(2022-23) funded project "Establishment of Large Scale Vegetable Seedling Production Unit and Development of Vegetable Network Nurseries in Participatory Mode", BCKV, Mohanpur, Nadia, is inviting e-tenders from reputed, competent and *bonafide* manufacturers/ distributors/ dealers/ agents/ vendors/ parties having registration of GST & ISO for supply and installation of the following items at establishment at **Gayeshpur, Nadia within 21 days (upto 5.00 pm) from the date of notification** as per specifications appended below:-

Sl. No.	Name of the Item	Qty.	Details Specification
1	MIST CHAMBER of 500 SQ. M.	2	Arch Type Fan & Pad Propagation Chamber of size 25.00 X 20.00 Mtrs & Area 500 SqMtrs. Central Ht. of 4.50 Mtrs. Structure made of ISI make GI pipes on at least 2mm thickness & with following details : Foundation: Telescopic insertion in Cement concrete of 1:4:8 mix. Column: 60mm OD, Bottom: 48mm OD, Purlin, Chord: 42mm OD, Cross : 33mm OD, Members: 33mm OD. Cladding with 200 micron, 5 layered UV Film. Skirting of 1' of brickwork. High Capacity Exhaust fans of size 50", 1.50 hp, with V belt motor drive, 1440 rpm, 415 V, 50 Hz, shutter open type with air pressure. Fans to be housed in galvanized frame. Fibre glass fan duct inclusive of all necessary electrical connections and fittings (Panel Broad etc.). Evaporation cooling pad with Al frame of size: 1500mm X 600mm X 100mm. Control Panel for Fans & Pump. Temp & Humidity sensors. Control panel and sensors are to be housed in additional canopy room. Fogging Systems from Control Unit & attached to Control Panel. Drip Systems to be housed in additional Canopy room.

			3 phased electrical connection will be available at nearest micro irrigation control unit.
2	HARDENING UNIT OF 1000 SQ. M. AREA	2	<p>Rectangular Tubular type SHADE NET HOUSE of size 40.0 x 25.0 mtrs. Area of 1000 sqmtr. Top ht. of 4.00 Mtrs from GL. 2 Nos of doors made of GI frame. Structure made of ISI make GI pipe structure made of the following specifications: Insert - 48mm OD GI Pipes, Columns - 60mm OD GI Pipes, Purlin - 42mm OD GI Pipes, Chord - 48mm OD GI Pipes, Cross - 33mm OD GI Pipes, Door members - 42mm OD GI Pipes. Profile - Aluminium, Locking Wire - 2mm GI make. 50% Green Shade net cover.</p> <p>Foundation of structure of telescopic insertion in Cement Concrete of 1:4:8 ratio. Foundation dimensions: 1' x 1' x 1.5'.</p> <p>Structure to be anchored with 16 gauge GI wire to the ground with anchor hook fixed in cement concrete at 3 m spacing in all sides.</p>
3	OPEN VENT POLYHOUSE (1000 SQ.M.) WITH RACK SYSTEM (700 SQ.M.)	2	<p>Naturally Ventilated Polyhouse suitable for protected cultivation of size 36.00 Mtrs x 28.00 Mtrs & Area 1008 SqMtr with central Ht of 6.0 Mtrs & gutter ht. of 4.5 Mtrs. Made of ISI make GI Pipes of the following sizes : 60mm OD for Insert, 76mm OD for Columns, 60mm OD for Bottom, 48mm OD for Chord & Purlins, 42mm OD for Hockey Members, 33mm OD for Chord members, 15mm OD for Cotton pipes etc. Two GI frame doors with anti room with separate entrance at right angles.</p> <p>200 micron, 5 layered UV Film for top & side Cladding. 50% GREEN shade net for flexible top curtain & side fixed curtain with 40 mesh UV stabilized Insect Netting.</p> <p>Foundation of structure of telescopic insertion in Cement. Concrete of 1:4:8 ratio. Foundation dimensions: 1' x 1' x 1.5'. 1mm thick GI Gutter.</p> <p>Multi-layered Rack System Multi-layered GI frame Rack System made of ISI GI Pipes with 6" rectangular 4mm GI base. Racks width of 2.5 ft & length 6 ft with FOUR layers. Lower most layers should be 1.5 ft from ground and rest with 1ft gap. Racks made of ISI make GI Pipes of 33mm OD. At least 2mm thickness 1 inch GI net cover on</p>

Handwritten signature

			<p>each layer welded to pipes with necessary GI base pipes. Rack will cover 70 % of available space within the structure (Approx. 700 Sq.M.). Rack placement as per instructions of P.I.</p>
4	<p>NET HOUSE (500 SQ. M.) WITH RACK SYSTEM (350 SQ.M.)</p>	2	<p>Gable Roof type NET HOUSE of size 20.0 x 25.0 mtrs. Area of 500 sq. mtr. Top ht. of 4.00 Mtrs from GL. 2 Nos of doors made of GI frame. Structure made of ISI make GI pipe structure made of the following specifications : Insert - 48mm OD GI Pipes, Columns - 60mm OD GI Pipes, Purlin - 42mm OD GI Pipes, Chord - 48mm OD GI Pipes, Cross - 33mm OD GI Pipes, Door members - 42mm OD GI Pipes. Profile - Aluminium, Locking Wire - 2mm GI make 40 mesh UV Stabilized Insect Netting cover. Foundation of structure of telescopic insertion in Cement concrete of 1:4:8 ratio. Foundation dimensions: 1' x 1' x 1.5'. Structure to be anchored with 16 gauge GI wire to the ground with anchor hook fixed in cement concrete at 3 m spacing in all sides.</p> <p>Multi-layered Rack System Multi-layered GI frame Rack System made of ISI GI Pipes with 6" rectangular 4mm GI base. Racks width of 2.5 ft & length 6 ft with THREE layers. Lower most layers should be 1.5 ft from ground and rest with 1ft gap. Racks made of ISI make GI Pipes of 33mm OD. At least 2mm thickness 1 inch GI net cover on each layer welded to pipes with necessary GI base pipes. Rack will cover 70 % of available space within the structure (Approx. 350 Sq.M.). Rack placement as per instructions of P.I.</p>
5	<p>POLY WALKING TUNNEL (250 SQ.M.) WITH RACK SYSTEM (175 SQ.M.)</p>	4	<p>Poly Walking tunnel structure of size 4.0 x 62.5 Mtrs & Area 500 Sq. Mtr. with central ht of 3.0 mtrs. Made of ISI GI Pipes of the following sizes: 48mm OD for Insert, 60mm OD for Culomns, 42mm OD for Bottom, 42mm OD for Chord, & Purlins, 33mm OD for Chord members. Two GI frame doors with anti room with separate entrance at right angles. 200 micron, 5 layered UV Film for top & side Cladding. 50% GREEN shadenet for flexible top curtain & side fixed curtain with 40mesh UV stabilized Insect Netting. Foundation of structure of telescopic insertion in Cement concrete of 1:4:8 ratio.</p>

J. S. S.

			<p>Foundation dimensions: 1' x 1' x 1.5'.</p> <p>Multi-layered GI frame Rack System made of ISI GI Pipes with 6" rectangular 4mm GI base. Racks width of 2.5 ft & length 6 ft with TWO layers. Lower most layers should be 1.5 ft from ground and rest with 1ft gap. Racks made of ISI make GI Pipes of 33mm OD. At least 2mm thickness 1 inch GI net cover on each layer welded to pipes with necessary GI base pipes.</p> <p>Rack will cover 70 % of available space within the structure (Approx. 175 Sq.M.).</p> <p>Rack placement as per instructions of P.I.</p>
6	<p>Micro Irrigation Systems And Drip Irrigation Systems</p>	<p>12 units of 7000 SQ. M. area</p> <p>And</p> <p>1.5 Ha field coverage</p>	<p>Micro Irrigation Systems for Protected Structures - 12 nos of total area of 7000 Sq. Mtr.</p> <p>In 4 clusters (Each cluster have 3-4 structures)</p> <p>EACH CLUSTER STRUCTURE WILL HAVE THE FOLLOWING SYSTEMS :</p> <p>Control Units: 2.0 HP Pump. 3 X 1000 Ltrs PVC inter connected water tank (3/4th water tank to be placed inside the soil), Control valves, Pressure Gauge, Fertilizer tank /Venturi, By-pass assembly, Filtration system (Screen & Disc filters etc.), RPVC Pipe of 63mm discharge & RPVC fittings to be housed (8ft X 8ft) in ISI GI pipe 48mm OD framed shed of 8 ft ht. with galvanized colored sheet top with necessary brick works for ISI modern electrical panel supply & installation and other necessary foundation works.</p> <p>(3 phased electric connection will be available upto panel board)</p> <p>Drip Manifold: 0.3 x 1.2 lph driplines connected through 63mm dia Mains & submains. 16mm connectors & end blocks.</p> <p>Fogging Manifold: 4 way foggers overhead connected with 16 mm laterals which intern connected to 50mm submains. Each Fogger nozzle of 7 lph.</p> <p>Sprinkler Manifold: Mini sprinklers connected to the roof / overhead outside the structures of at least 70 lph discharges. Gyronet sprinkler systems.</p> <p>All systems to be connected to Head Unit through 1 1/2" PPBV.</p> <p>Submain flushing systems should also be included.</p> <p>Drip Irrigation Systems for OPEN FIELD of 1.5 Ha: Control Units: 2.0 HP Pump. 3 X 1000</p>

Handwritten signature

			<p>Ltrs PVC inter connected water tank (3/4th water tank to be placed inside the soil), Control valves, Pressure Gauge, Fertilizer tank /Venturi, By-pass assembly, Filtration system (Screen & Disc filters etc.), RPVC Pipe of 63mm discharge & RPVC fittings to be housed (8ft X 8ft) in ISI GI pipe 48mm OD framed shed of 8 ft ht. with galvanized colored sheet top with necessary brick works for ISI modern electrical panel supply & installation and other necessary foundation works.</p> <p>(3 phased electric connection will be available upto panel board)</p> <p>Drip Manifold: 0.3 x 1.2 lph driplines connected through 75mm dia Mains & 63mm dia submains. 16mm connectors & end blocks for 15,000 sq. m. area.</p> <p>All systems to be connected to Head Unit through 2" PPBV.</p> <p>Submain flushing systems also included.</p>
7	POLY WALKING TUNNEL OF 250 SQ.M. AT BENEFICIARY FIELD	10	<p>Poly Walking tunnel structure of size 4.0 x 62.5 Mtrs & Area 500 Sq. Mtr. with central ht of 3.0 mtrs.</p> <p>Made of ISI GI Pipes of the following sizes: 48mm OD for Insert, 60mm OD for Culomns, 42mm OD for Bottom, 42mm OD for Chord, & Purlins, 33mm OD for Chord members.</p> <p>Two GI frame doors with anti room with separate entrance at right angles.</p> <p>200 micron, 5 layered UV Film for top & side Cladding. 50% GREEN shadenet for flexible top curtain & side fixed curtain with 40mesh UV stabilized Insect Netting.</p> <p>Foundation of structure of telescopic insertion in Cement concrete of 1:4:8 ratio. Foundation dimensions: 1' x 1' x 1 1/2'.</p> <p>Structures are to be installed at beneficiary field (Kalyani, Chakdah, Haringhata Block) with 50% credit linked back end subsidy</p>

Terms & Conditions:

- i) Preparation of bids: the tender should be submitted under two bid system (i.e. technical and financial bid) with validity for a period of 6 (six) months.
- ii) Technical bids will be evaluated by the Technical Committee of the University and the financial bids will be opened of those bidders who are qualified in technical bids.

iii) Bidder should have business turnover of at least 1.0 Cr for the last 3 years with supporting IT Returns for last 3 years. Out of total business turnover, atleast 75% will be on protected and micro-irrigation works, supported with audited balance sheet.

iv) Bidder having work experience in SAU or Govt. projects in Polyhouse works need to apply. Also having suitable experience in repair jobs of polyhouses & drip irrigation works need to apply. Such experience should be supported with certificate from SAU or Govt./PSU/Govt. Autonomous Bodies. (State/Central)

v) Lowest bid to be accepted on the basis of total quoted works.

vi) Full and final payment will be made after satisfactorily installation, demonstration and working performance of the all items in turnkey basis.

vii) Part payment will be made (maximum of 3 times including the final payment) only after satisfactory completion/installation, demonstration and working performance of minimum 3 structures against relevant supporting documents/ progress of the work.

vi) EMD: Rs. 1,20,000 (Rupees one lakh twenty thousand only) in the form of Bank Draft in favour of 'Bidhan Chandra Krishi Viswavidyalaya' payable at Kalyani (IFSC: SBIN0001082). Scanned copy of the demand draft must be uploaded as supporting document during submission of e-tender. Without EMD, quotations /bids will not be considered for technical and financial comparison. EMD exemption certificate must be uploaded, if any.

vii) Important safety standards

The instruments/equipments must confirm to ISI standards.

viii) Warranty

Warranty period for equipments and electrical items minimum 3 Years or more from the date of installation. Manufacturer /Dealer/Distributor may have their repair and maintenance service available at project sites. Details of post installation service and repair facility should be provided while submitting their Quotations.

ix) General

Quotations should be submitted either by an Original Manufacturer or their Authorized Distributors/Dealers only. Valid Authorization Certificate from OEM is required in case of Quotations are submitted by Distributors/Dealers.

x) Supporting documents (as applicable):

a) Bid papers should accompany authorization certificate of Dealer/Distributor, GST registration, ISO registration, Latest IT return, PAN, ESI registration and other statutory documents, if any.

b) Scanned copy (self attested) of the original supporting document in favour of the specification -claim for each items must have to be uploaded separately

c) User list along with certificate from reputed users also need to be uploaded.

e) Price bid of the vendors will be compared only if technical specifications are fulfilled.

f) Any applicant found to have been black-listed with any Govt. Deptt or state university, local bodies need not apply.

g) A brief road map/ work programme to the execution of the Project need to be submitted.

H) The Viswavidyalaya reserves the right to accept or reject any tender without showing reason.

xi) Project Site:

The works itemed as Sl. No. 1-6 to be implemented at Nadia KVK, BCKV, Gayeshpur, Nadia, WB and the works itemed Sl. No. 7 to be implemented at Farmer's Field within Kalyani, Chakdah, Haringhata block of Nadia district.(2-3 units may be installed other blocks of the district)

~~AR, BCKV~~

G 21/8/22


29.08.2022
Principal Investigator