

Phone: 080-23086100 Extn: 514  
Mobile: 7760883948  
Email: Bessthort.iihr@icar.gov.in

**BUSINESS ENTREPRENEURSHIP AND START-UP SUPPORT THROUGH TECHNOLOGY IN  
HORTICULTURE (BESST-HORT),  
Technology Business Incubator (TBI) of  
ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH  
HESSARAGHATTA LAKE POST, BANGALORE-560 089**

F.No.27/2021-22/BESST-HORT/Distillation unit

Dated: 27-11-2021

**NOTICE FOR INVITING TENDER THROUGH E-PROCUREMENT**

Tender is invited for “Construction of Sheet structure for BESST-HORT behind existing BESST-HORT facility, lab complex (Size 18 mts x 3.50 mts) – Civil and Electrical work at ICAR-IIHR, Hesaraghatta, Bengaluru”.

Tender documents may be downloaded from e-publish website of CPPP <https://eprocure.gov.in/epublish/app> per the schedule given in CRITICAL DATE SHEET as under:

**CRITICAL DATE SHEET**

<b>Tender No.</b>	F.No.27/2021-22/BESST-HORT/Distillation unit
Name of Organization	BESST-HORT (A NIDHI TBI of ICAR-IIHR) ICAR-Indian Institute of Horticultural Research, Hesaraghatta Lake Post, Bangalore
Date and Time for Issue/Publishing	27.11.2021 at 04:30 PM
Document Download/Sale Start Date and Time	27.11.2021 at 04:30 PM
Bid Submission start Date and Time	27.11.2021 at 04:30 PM
Bid Submission End Date and Time	13.12.2021 at 03:00 PM
Bid opening Date and Time	15.12.2021 at 11.00 AM
Address for Communication	Chief Executive Officer, BESST-HORT, ICAR-Indian Institute of Horticultural Research Hesaraghatta Lake Post, Bangalore

**Sd/-  
CHIEF EXECUTIVE OFFICER**

## **TERMS AND CONDITIONS**

1. The Tender form/bidder documents may be downloaded from the <https://eprocure.gov.in/epublish/app>. Online bids shall not be accepted under any circumstances.
2. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in/epublish/app> regularly. Any changes/modifications in tenderenquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The BESST-HORT reserves the right to accept or reject any or all the tenders.
4. The interested Firms are required to deposit (in original) **EMD of Rs.22,500/-** in the form of Demand Draft in favour of **THE PRESIDENT, BESST-HORT, ICAR-IIHR, payable at Bangalore** and may be addressed to **Chief Executive Officer, BESST-HORT, ICAR-IIHR, Hessaraghatta Lake Post, Bangalore-560089** on or before **13.12.2021**. **Bidders should submit Technical Bid and Financial Bid separately.**
5. Bidders need not to come at the time of bid opening at BESST-HORT, ICAR-IIHR. If any dispute arises, Within Bengaluru Jurisdiction only.
6. The contractor/bidder or his representative may contact the undersigned at **Tel. No. 080-23086100 Extn:514** for any further clarification. No variation in terms of quality of the items shall be entertained or else EMD/Security deposit shall be forfeited.
7. The PRESIDENT, BESST-HORT, shall have the right to reject all or any of the offers, accept more than one offer, and assign part of the job without assigning any reason.
8. Rates once finalized will not be enhanced/reduced during the currency of the contract.
9. In case, the successful bidder shows inability at any stage, after the contract is finalized and awarded, for whatsoever reason(s), to honour the contract, the earnest money/performance security deposited would be forfeited.
10. The President, BESST-HORT, ICAR-IIHR reserves the right to cancel the contract at any time during the currency period of the contract without giving any reason.
11. The firm, to whom the tender will be awarded, will have to deposit the **performance security equal to 10% of the total amount within 21 days from the date of receipt of work order and the same will be retained during the Defect liability period(warranty) of One year. In the sense, for any material and execution defects,**

**the firm has to set right the defects within 10 working days and maintain the said work.** If the services are not found to be satisfactory, the performance security is liable to be forfeited. No interest will be paid on performance security.

12. If any dispute(s) arises between BESST-HORT and the firm with reference to the contract, BESST-HORT will decide it and its decision will be binding on the firms.

13. Bid Validity: 180 days

14. Payment:- No advance or part payment will be given. The payment will be released after satisfactory completion of the work and certificate from the Indentor.

**15. Defect liability period is for One Year from the date of completion of the Work. During this period any shortfall/defect noticed in the work, the same firm is liable for rectification on free of cost within 30 days on receipt of written communication, otherwise the Security Deposit shall be forfeited.**

16. The bidder is advised to visit the site of works at his own expenses and obtain all information that may be necessary for preparing the quotation.

17. If any dispute(s) arises between BESST-HORT and the firm with reference to the contract, BESST-HORT will decide it and its decision will be binding on the firms.

18. Bid Validity: 180 days

19. Payment:- No advance or part payment will be given. The payment will be released after satisfactory completion of the work and certificate from the Indentor.

20. The supplier/firm has to submit the GST return for having remitted the GST amount paid by the institute to the concerned authority within 30 days from receipt of payment from BESST-HORT, otherwise their EMD and SD/PS will not be released and such firms shall be block listed.

21. GST extra as applicable should be indicated separately in the column. Otherwise such quotes will be rejected.

Payment Terms: In order to facilitate for speedy settlement of payment you are requested to furnish the following details as below:

1. Name of the firm:
2. Name of the Bank:
3. IFSC Code of Bank:
4. Name of the Account & Account No.:
5. Branch Code:
6. Amount to be paid:
7. E-mail address of the party:

8. GST No. and Pan No. Copies

22. The estimates are made by qualified engineers of the institute and based on latest CPWD-DSR with all updates and correction slips. Firms/Contractors/Bidders should not quote too low or too high. To ensure quality materials, specification and workmanship, any tender with more than (+) or (-) 15% variation (over and above or below) will be summarily rejected. So, the bidders must take due care while quoting.

**23. Evaluation criteria:** It must be noted that the contract shall be awarded to the firm which fulfils all the required terms and conditions and remains L-I for **Total cost. In case, two or more firms quote the same rates, then the tender will be awarded to the Firm which has got more average turnover in the last 3 years, based on IT returns/Profit & Loss account/Turnover duly certified by the CA and uploaded along with Tender through CPP.**

**Technical Bid :**

- a) Scanned copy of Firm's Registration under Shops and Establishment Act/ copy of the documents Registered with PWD/CPWD/MES/Railways/PWD/Dept of Horticulture/SAUS etc to be attached
- b) PAN Card copy, GST Number with Registration Certificate, Bank details of the firm, Scanned copy of similar contracts to Government Departments to be attached
- c) Income Tax Returns for the last three years (2017-18, 18-19, 19-20) to be attached
- d) Profit and loss account & Balance Sheet which are audited & duly certified by the Chartered Accountant for the last three years to be attached
- e) Turnover of the business should be Rs.27.00 Lakhs per year, to be certified by Chartered Accountant as per Balance Sheets used for ITR filing for the previous two years.
- f) MSME or Udyog Aadhar or NSIC is a must for EMD Exemption otherwise, firms have to furnish EMD.
- g) Tender acceptance letter (Annexure-I) is mandatory
- h) Latest copies of the GST returns for the current year/previous year to be attached

**Sd/-**  
**CHIEF EXECUTIVE OFFICER**

Phone: 080-23086100 Extn: 514  
Mobile: 7760883948  
Email: Bessthort.iihr@icar.gov.in

**BUSINESS ENTREPRENEURSHIP AND START-UP SUPPORT THROUGH TECHNOLOGY IN  
HORTICULTURE (BESST-HORT),  
Technology Business Incubator (TBI) of  
ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH  
HESSARAGHATTA LAKE POST, BANGALORE-560 089**

F.No.27/2021-22/BESST-HORT/Distillation unit

Dated: 27-11-2021

Name of the Firm\_\_\_\_\_

Registered/Postal Address\_\_\_\_\_

1	Permanent Account Number (PAN)	
2	GST Registration No.	
3	Bank Details	
a	Bank Name	
b	Branch Address	
c	Account Number	
d	Type of account (current/saving) MICR No.	
e	IFSC Code	

Date:

Name of the Authorized Signatory

Place:

Stamp & Signature

**TENDER ACCEPTANCE LETTER**  
**(To be given on Company Letter Head)**

**Date:**

To,  
The President  
BESST-HORT,  
ICAR-IIHR,  
Hesaraghatta Lake Post,  
Bangalore-560089.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No. \_\_\_\_\_

Name of Tender/Work:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

1. I/ We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/work' from the web site(s) namely:

\_\_\_\_\_  
\_\_\_\_\_

As per your advertisement, given in the abovementioned website(s).

2. I/We hereby certify that I/We have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_to\_\_\_\_(including all documents like annexure(s), schedule(s), etc...) which form part of the contract agreement and I/We shall abide hereby the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter.
4. I/we hereby unconditionally accept the tender conditions of above mentioned tender documents/corrigendum(s) in its totality/entirely.
5. I/we do hereby declare that our Firm has not been black-listed/debarred by any Govt. Department/Public sector undertaking.
6. I/we certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject that bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

**FORMAT OF PRICE QUOTATION**

<b>SI NO</b>	<b>DETAILS</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>

**Annexure-III****Details of Works& EMD**

Sl. No.	Details	Earnest Money in INR	File. No. for reference
01	<b>“Construction of Sheet structure for BESST-HORT behind existing BESST-HORT facility, lab complex (Size 18 mts x 3.50 mts) – Civil and Electrical work at ICAR-IIHR, Hessaraghatta, Bengaluru”.</b>	Rs.22,500/-	F.No.27/2021-22/BESST-HORT/Distillation unit

Note: EMD defined is MINIMUM. Bidder has to submit the EMD as per item for which quoting for.

**\*WORK at BESST-HORT, ICAR-IIHR, Hessaraghatta Lake Post, Bengaluru.**



**Annexure-IV**

**“Construction of Sheet structure for BESST-HORT behind existing BESST-HORT facility, lab complex (Size 18 mts x 3.50 mts) – Civil and Electrical work at ICAR-IIHR, Hessaraghatta, Bengaluru”.**

<b>Sl. No</b>	<b>Details</b>	<b>Unit</b>	<b>Qty</b>
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil For wall foundation For vertical members foundation For site leveling and removal of vegetation	Cum Cum Cum	11 1.50 10.50
2	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m All kinds of soil	Cum	31
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) For wall foundation For verticals For Floors For plinth protection	Cum Cum Cum Cum	1.50 0.50 8.50 2.00
4	Providing and constructing concrete block masonry using 150x200x400 mm solid core compact concrete block (Grade C - 50Kg/Cm <sup>2</sup> ) in CM 1:6 including all scaffolding, curing, etc. complete for walls	Sqm	70
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size) For floors For vertical member grouting below Ground level For vertical member grouting above Ground level all along wall For sills	Cum Cum Cum Cum	4.25 1.20 1.50 0.50
6	Centering and shuttering including strutting, propping etc. and removal of form for verticals concrete routing	Sqm	12

7	Structural steel work welded in built up sections, trusses and framed work, railing work including cutting, hoisting, fixing in position providing screws, bolt & nuts etc., and applying a priming coat of approved steel primer all complete 1. MS hollow section 80 x 40 mm – 5.34 kg/mt for verticals runners x 93 mt 2. MS hollow section 80 x 40 mm – 5.34 kg/mt for roof shorter span x 41 mt 3. MS hollow section 40mm x 40mm -2.92 kg /mt purlin at roof x 115 mt 4. MS hollow section 40mm x 40mm -2.92 kg /mt side purlins x 252 mt 5. MS hollow section 80 x 40 mm – 5.34 kg/mt all along existing building wall for overhang support of sheet projection x 18 mt	Kgs Kgs Kgs Kgs Kgs	497 219 336 736 96
8	Providing internal plastering 20mm cement plaster with a floating coat neat cement of mix 1:6 (1cement: 6 fine sand) For walls inside For floors	Sqm Sqm	48 55
9	Rough cast plaster upto 10 m height above ground level with a mixture of sand and gravel or crushed stone from 6 mm to 10 mm nominal size, dashed over and including the fresh plaster in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10 mm cement plaster 1:3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement. Ordinary cement finish using ordinary cement for outside Walls plinth protection	Sqm Sqm	43 21
10	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. (Asian Tractor / Jonson Nicholson )	Sqm	91
11	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats (Asian Tractor / Jonson Nicholson )	Sqm	48
12	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) (Asian Tractor / Jonson Nicholson )	Sqm	43
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work for structural steel members and steel doors (Asian Tractor / Jonson Nicholson )	Sqm	108
14	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness, Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete tiled shaped as per approved sample		

	For roof Side cladding and front rain splash	Sqm Sqm	110 97
15	Supplying and fixing 1" x 1" weld mesh as per approved sample to be welded to purlins and verticals at roof height for ventilation	Sqm	13
16	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture (Asian Tractor / Jonson Nicholson ) for weld mesh	Sqm	110
17	Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer for two numbers doors	Sqm	6.50
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (Finolex/Supreme/Kisan/Prince/Canara/Ashirvad), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes necessary elbows bends collars and jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall	Rmt	24
19	Providing and fixing brass bib cock of approved quality 15 mm nominal bore	Nos	02
20	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm nominal bore	Nos	03
21	Supplying and laying fixing PVC pipes (6kg/cm <sup>2</sup> -ISI-Finolex/Supreme/Kisan/Prince/Canara/Ashirvad) with all required collars, bends, elbows, tees, sockets, bush with pvc solvent etc . including providing PVC clamps at every one meter, complete as required at site 100mm dia pipe for sewer lines from bathroom down pipe and rain water down pipe	Rmt	18
22	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200 mm	Rmt	02
<b>Internal partion with Precoated sheet cladding</b>			
23	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift		

	upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil For wall foundation and vertical member	Cum	01
24	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) For wall foundation For verticals	Cum Cum	1.50 0.50
25	Providing and constructing concrete block masonry using 150x200x400 mm solid core compact concrete block (Grade C - 50Kg/Cm <sup>2</sup> ) in CM 1:6 including all scaffolding, curing, etc. complete for walls	Sqm	4.50
26	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size) For vertical member grouting below and above Ground level and sills	Cum	0.25
27	Centering and shuttering including strutting, propping etc. and removal of form for verticals concrete grouting	Sqm	0.60
28	Structural steel work welded in built up sections, trusses and framed work, railing work including cutting, hoisting, fixing in position providing screws, bolt & nuts etc., and applying a priming coat of approved steel primer all complete  MS hollow section 80 x 40 mm – 5.34 kg/mt for verticals runners x 4.25 mt  MS hollow section 40mm x 40mm -2.92 kg /mt horizontal purlins x 9.30 mt	Kgs  Kgs	23  27
29	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. (Asian Tractor / Jonson Nicholson )	Sqm	07
30	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats(Asian Tractor / Jonson Nicholson )	Sqm	07
31	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work for structural steel members and steel doors (Asian Tractor / Jonson Nicholson)	Sqm	03
32	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness, Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy both side of the sheet and polyester top coat 15-18		

	microns using self drilling/ self tapping screws complete tiled shaped as per approved sample Side cladding	Sqm	6.50
<b>Electrical work</b>			
33	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Stepped type Modular Fan regulator (2 module)	Point  Each	6 Points  2 Nos
34	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. S.P. 5/6 amps, one way modular switch, ISI marked. S.P. 15/16 amps, one way modular switch, ISI marked. 3 pin 5/6 amps modular socket outlet, ISI marked. 6 pin 15/16 amps modular socket outlet, ISI marked. Modular base & cover plate for 6 module	Meter  Each Each Each Each Each	18  4 4 4 4 4
35	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	20 RMT
36	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Conduit as required 25 mm	Meter	20 RMT
37	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C"curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.32 A Single pole and neutral Each 544	Each	2 Nos
38	Supplying and fixing of 18-20 W LED tube light fittings as required at site.	Each	4 Nos
39	Supplying and fixing of Ceiling Fan as required at site.	Each	2 Nos
40	Supplying and fixing of 100 Amps open type 4 way copper Bus bar box of size 24" X 24" with cable termination by using copper lugs.	Each	1 Set

41	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 6 way, Double door.	Each	2 Nos
42	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C"curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. 10 A Single pole 20 A Single pole 32 A Single pole 32 A Double pole	Each Each Each Each	4 Nos 2 Nos 2 Nos 2 Nos
43	Supplying and laying of fallowing sizes of PVC insulated Alluminium conductor wired Armored UG cable in DWC Pipe double walled corrugated high density poly ethylene pipe having corrugation on the outer wall 50 mm and plain surface inner wall of 55 mm sizes conforming to IS14930, with necessary DWC fitting for protection of 1.1 KV grade UG Cable directly in ground at a depth of 2 feet including excavation and refilling the trench (including earthing and end termination) etc. as required at the site. (V guard/ Havel's/Poly cab/Ashirvad with ISI). 25 sq mm x 4 core.	Mtrs	50 RMT

**Sd/-**  
**CHIEF EXECUTIVE OFFICER**