

Notice Inviting Tender

Sealed tenders are invited from eligible, approved and experienced specialised Contractors having experience in the "**Dismantling and new construction work of green house.**" at the Institute of Life Sciences, Nalco square, and Bhubaneswar. The tender papers are available in the website of the Institute at www.ils.res.in.& CPP.portal Interested Contractors may download the tender papers, complete the same and send the same to the undersigned as so to reach the undersigned on or **before 20 /06 / 2018 up to 1500 Hrs.** The tenders will be opened on the same day at **1530 hrs.** in presence of the intending bidders or their authorized representatives. Tenders received after due date & time will not be entertained. Institute is not responsible for any postal delay. Incomplete or conditional tender is liable for rejection. The authority reserves the right to reject any or all the quotations without assigning any reasons thereof.

Estimated Cost	Earnest Money Deposit	Time of completion
Rs 10,00, 000.00	20000.00	30 days

Bids in the prescribed manner shall be submitted along with requisite Earnest money (EMD) amounting to Rs **20000.00** in the shape of **Demand Draft** drawn in favour of **INSTITUTE OF LIFE SCIENCES, BHUBANESWAR.** For further information regarding PQ criteria & bid security etc. and downloading the tender documents please visit website www.ils.res.in.&www.cpp.portal. The bidders have been permitted to submit their bids in documents downloaded from the website.

For any clarifications/ further information the bidders may contact A.O / Dr.N.Dey & CONCERNED ENGINEERS of ILS.

N. Dey
A.O, ILS, BHUBANESWAR

Copy to:

- 1) Notice board, ILS
- 2) Finance & Accounts Dept
- 3) Mr. S.S.Mohanty & Mr. Sameer Kar for publication in the website of www.ils.res.in./CPP.portal.

f / 11

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INSTRUCTIONS TO BIDDERS

1. **Envelop -1 - (EMD)** This envelopes shall contain the EMD, the amount and the manner in which to be deposited as started in the tender notice and sealed.

2. Envelope-2 ---- **Technical Bid:**

This envelop shall contain the **technical bid** documents duly signed by the bidder in all pages shall include:

- i. List of similar works completed last 3 years, duly supported by completion certificate issued by the competent authority. Similar works mean one no. of **construction of green house or similar type of work amounting maximum to Rs 8 lacks.**
- ii. The completed tender paper along with valid registration certificate, valid GST registration certificate, PAN card & work completion certificate of construction of green house or similar work with aforesaid work mentioned at (sl- i.)

3. **Envelop-3----- PRICE BID**

Price bids of only qualified bidders shall be opened on the date and time fixed for opening of Price-Bid and intimated to the bidders who meet the pre-qualifying criteria. .The tenderer whose Technical bid has not been found acceptable will be advised about this fact and asked to take back the earnest money and the unopened Financial bid.

The price bid should contain the following:-

- i) Price bid shall contain the item rates duly filled in **words and figures** in Bill of Quantities (BOQ) indicating total of all items and grant total.
- ii) After filling the rates as stated above all pages shall be signed by the contractor. Corrections shall be avoided. However if there are certain corrections, all corrections must be duly signed by the bidder in original and duly stamped.
- iii) There after the price bid documents shall be sealed by the contractor.
- iv) **Rebate**, if offered, shall be shown separately below the total of BOQ items. **No conditional rebate will be acceptable. Failure to follow this procedure will render the bid liable for rejection.**

Bids must be received in sealed envelope & must be either delivered by hand or posted at the following address so as to reach not later than the last date/time specified in the NIT to **DIRECTOR INSTITUTE OF LIFE SCIENCES, CHANDRASEKHARPUR, and BHUBANESWAR-23**. The name and mailing address of the Applicant (bidder) shall be clearly marked on the envelopes. **Bids received late i.e. after the due date and timing for receipt of bids shall not be accepted/considered for evaluation and such bids shall be returned unopened.**

4.0 EARNEST MONEY DEPOSIT (EMD)

4.1 The Bidders are required to deposit the EMD in favour of ILS for Rs .20, 000.00 /- work in following forms only.

a. Crossed Demand Draft of any Indian Scheduled Bank only, in favour of INSTITUTE OF LIFE SCIENCES and payable at BHUBANESWAR drawn on any Indian Scheduled Bank in a separate envelope super- scribing "EMD".

4.2 EMD in any other form shall not be accepted.

4.3 ILS shall summarily reject any bid not accompanied by the EMD as mentioned above.

4.4 After evaluation of financial bids, the EMD of unsuccessful bidders will be returned within a month from the end of the tender validity period.

4.5 The EMD of the successful bidder will be retained as part of the security deposit..

4.6 The EMD of the bidder, whose Technical bid is found not acceptable, will be returned as soon as scrutiny of Technical bid has been completed.

4.7 No interest shall be paid on the EMD.

5.0 VALIDITY OF BID

5.1 Bids shall remain valid and open for acceptance for a period of **one month** from the date of opening of Technical Bid & price bid. Should the bidder fail to keep the bid open for acceptance as stated above or if the bidder withdraws his bid before the expiry of the said period or makes any modification in terms and conditions of the bid which are not acceptable then ILS without prejudice to any other right or remedy shall be at liberty to forfeit his 50% EMD absolutely.

5.2 In exceptional circumstances, prior to expiry of the original validity period, ILS may request the bidders for an extension in the period of validity by no of days as may be required. The request and the responses thereto shall be made in writing or by cable or fax. A bidder may refuse the request without forfeiting his EMD. A bidder agreeing to the request will neither be required nor be permitted to modify his bid but will be required to extend the validity of his EMD correspondingly.

6.0 SUBMISSION AND OPENING OF BIDS.

6.1 Bids complete in all respects shall be received in the office of DIRECTOR ILS, BHUBANESWAR up to the date and time mentioned in the NIT.

6.2 The bidders shall seal the tender in five envelopes duly marking the Envelops as under:-

Envelop no-1: This envelop shall contain the EMD duly super scribing EMD for **Rs 20000.00** the name of work and Contractor.

Envelop no-2. This envelop shall contain the technical bid documents duly signed by the bidder in all pages.

Envelop no -3: This envelop shall be marked as price bid along with following details over the envelop.

- a. Tender for "-----"(Name of work)
- b. Reference no. ----- (Tender no.)
- c. The words-"Do not open before ----- (Time & date)
- d. Name & address of the bidder "-----"

Envelop no -4: Containing all the above mentioned 3 envelops (the cost of, EMD and technical bid and price bid) shall be sealed and shall be addressed to ILS at the

Following address:-

DIRECTOR, INSTITUTE OF LIFE SCIENCE, NALCO SQUARE, BHUBANESWAR, 751023, super scribing

Tender for the work-----

Name of the contractor -----

6.3 No bid shall be accepted unless it is properly sealed.

6.4 Bid Box for the work shall be sealed at the time fixed in NIT on the date of receipt and no bid shall be accepted afterwards. The bids that have not been submitted up to or before the stipulated time and date of receipt shall not be considered and therefore deemed to be rejected. Such bids shall be returned to the bidder un-opened.

B. Terms and conditions: -

1. The successful bidder will have to provide a security deposit of specified amount to ILS. The total security deposit including the earnest money deposited with the tender shall be 5% (five percent) of the contract value of the work. The Earnest Money deposited at the time of deposit tenders will be adjusted as part of the total security deposit required. The Security Deposit shall be deducted in cash from monthly account bills @ 5% of work done till the total security deposit (including the EMD) reaches required total amount i.e. 5% of the contract value of the work, same amount shall be released after 1 year from the date of completion without any bank interest.
2. The spare parts of quoted items should be for minimum up to 5 years warranty & for electronics & electrical items up to 2 years.
3. The work will be executed based on the specification as stated in the tender document.

4. The contactors who are interested to participate in the tender shall furnish Xerox copies Of their Registration Nos. / Trade License No., GST no. & pan card.
5. Earnest money will be forfeited if the contractors fail to commence the work as per letter of award.
6. The lowest bidder shall award the work order for execution of work.
7. The work should be started immediately after issue of work order and should be completed within one month from the date of issue of work order. Otherwise, penalty @ 1% of tender value will be charged to the Contractor per week of delay.
8. No extension of time will be allowed, if the above work is not completed within the stipulated time. ILS reserves the right to get it completed through any other source without sending any intimation to the contractor
9. After completion of the work the Contractor shall clean the site and remove debris from the site to outside of ILS.
10. The Contractor shall abide by the laws of the land for payments to labourers etc.
11. The work shall be executed based on the design approved by ILS.
12. The payment shall be made as per the actual measurement of the work done confirming to specification and design.
13. Income Tax, Sales Tax, etc. shall be deducted from the payment to be made to the Contractor as per the existing law.
14. The court situated at Bhubaneswar shall have jurisdiction to decide any dispute or litigation, if arises in future beyond the above mentioned rules & regulation.

PRICE BID

Name of the work : Dismantling and new construction work of green house.

Sl no	Description of Work	Unit	Quantity	Price	ADD GST % (See below sl-2)	Quantity	Total Amount
	RENOVATION WORK IN EXISTING AREA TOTAL AREA: 27' x 45' = 1215sq.ft. Fan & Pad Cooling Chamber Size: 33.75' x 27' = 911sq.ft Buffer Room: 9' x 11.25'= 101sq.ft.						
1	DISMANTLING WORK OF EXISTING GREEN HOUSE: All Dismantling work done by Our expert Team.	<i>Sqft.</i>	36			36	
	a. Demolition and lifting of 9"widepartition wall loose materials						
	b. Demolition and lifting of 9"wide front gable wall loose materials.	<i>Sqft.</i>	46			46	
	c. Demolition and lifting of 9"wide buffer room wall loose materials	<i>Sqft.</i>	24			24	
	d. Dismantling and lifting of Partition wall, front brick wall, front shade along with steel structure , roof sheeting complete and shift the material and stack it properly as per direction of Incharge:-	<i>Job</i>	1			1	
2	CIVIL WORK: (A) Foundation wall for Entry room and new extension area, WIDE Based 1.5' below earth's surface, 2' above earth's surface, as kickboard 9" wide. Frame base block size 2'. B) Floor: Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st	<i>Job</i>	1			1	

	<p>quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete</p> <p>C) Plinth Protection: Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top Smooth.</p>					
3	<p>STRUCTURE: Frame: All galvanized steel is used and design as per IS875 standards to take withstand of wind speed 120 km./hour. End wall and side wall framing Aluminum corner trims, aluminum ridge bar and Galvanized gutter trim Brackets & fasteners as required to assemble frame.</p> <p>1) Pipe: Pipes sections to be used for different Structural Member will be as below or equivalent : a) Columns: 80 mm x 50 mm in 2mm thick hot dip galvanized pipe. b) Trusses: Bottom cord 32mm x 2mm; Truss Members 48mm x 48mm 2mm; Bracing 25 mm, pipe; structural member will be fitted with zinc plated nuts & bolts without welding. c) Purlins: 32 mm x 2mm thick.</p> <p>2) All G.I pipes are</p>	Complete set	01			01

	galvanized. 3) Nuts and other metallic parts: This includes all the elements required for joining and water tighten components (such as fittings, clamps, screws and nuts plated against corrosion). (1 Complete Set)						
4	BUFFER ROOM: (A) Double Door Room- of size 9' x 11.25' x 8' (L x W x H) covered with 6mm thick metallic Polycarbonate Sheet.	No	1			1	
	B) Sliding Door: Size: 1.9m x 0.91m long & wide, normally lockable made with 6mm thick metallic Polycarbonate Sheet glazing, top & bottom tracks, jambs, flashings & installation hardware.	No	2			2	
5	CLADDING: Roof, front wall, end wall, & sidewalls of the Greenhouse-sets and double room for rigid covering. 6mm thick clear multiwall Sabic polycarbonate sheet, Aluminum Profile, EPDM gasket, Silicon sealant, and accessories. Roof and Side wall covers by 6mm, UV stabilized clear polycarbonate sheet (make GE Sabic/Bayer) details are giving below: a. Sheet thickness 6mm b. Structure 2 TS c. Approx. Weight g/m ² 1300 Light d. Transmission 81% e. K Value 3 <u>Detail of Sabic Thermo clear sheet</u> 2TS 1300 81 3 is an impact resistant, energy saving,	(1 Complete Set)					

multiwall polycarbonate sheet. It features a propriety surface treatment which provide almost total resistant against degradation caused by UV radiation in sunlight. The entire Sabic Thermo clear sheet range carries a Ten year limited warranty against discolorations, loss of light transmission, and / or loss of strength due to weathering.

Impact Strength:

Sheet has outstanding impact performance over wide temperature range - 40°C + 120°C and also after prolonged outdoor exposure.

Hail Simulation:

As a roof and side glazing material polycarbonate sheet is subjected to the extremes of weathers storms, hail stones, wind, and snow fall and ice formation. Under these conditions the product is virtually unbreakable and is an able to accommodate the subsequent temperature changes to conditions without breaking or buckling.

Light Transmission:

The sunlight which reaches the surface of the earth has wavelength range between 295-2140nm. This optical window is divided into the following section.

UVB Middle ultra violet
region 280-315nm

UVA near ultra violet
region 215-380nm 0 **Visible**
light region 380-780nm
82%

Near Infra-red region 780-1400nm 82-20%

	<p>Middle Infra vix region 1400-3000 62-0% Polycarbonate sheet is treated with exclusively antifungal treatment to enhance the life of sheet. (1 Complete Set)</p>						
6	<p>EXTERNAL SHADING SYSTEM: in new extension area By 75% shading net (agro shade net) with manual rolling arrangement connecting pipe etc. can be rolled when not required.</p>	01 Complete Set					
7	<p>CEL DEC PAD COOLING SYSTEM: A) 5ftH x 33.75ft.W x100mm thick evaporative CELDEC cooling pad complete with: – All necessary framing material of Aluminum required supporting distribution & returning piping. – Gutters, down spout end caps & drip pan, plumbing kit, pump 220 volt - 1 phase 50 cycles, Drilled PVC piping cap, pad retainer, all suspension hardware. – Metal flashings as required to seal pad to vent opening, 4" thick evaporative cooling pad material. Construction Material: Aluminum Profiles: Tray Sides, Top Etc. Plastic Profiles: Water Distribution tray. Cooling Media: 100mm thick celdek 7090/500 At velocities of 1 to 3 M/s to give efficiency from 60 to 95%. Filtration: 25 to 55mm viscous filter for 30 m efficiency. Miscellaneous: Fasteners, Galvanized, Rivet-Aluminum.</p>	01 Complete Set.					

	Water storage Tank: PVC Tank 1000 liters. Pump: 1 HP Mono block (Crompton or approved equivalent) B) Slow Speed Axial Flow Fan 36": use in existing available greenhouse Qty 2.						
8	ELECTRICAL WIRING: All wires will be of copper 1.5mm/2.5mm/4mm (Finolex/Kalinga) and desired load and switches imported make, extra switches also provided as standby. Each feature has own electric line with MCB (Schneider/ Legrand) and will be underground in PVC pipe complete set with A grade work. Separate electrical work, panel board and main switches as well. 1 Complete Set (Internal wiring up to Load 50KVA)	01 Complete Set					
	Total Price						
	Any other charges & Taxes						
	Grand Total						

(In Words :.....)

Signature of agency with Stamp

N.B

1. Payment will be made as per actual measurement of work.
2. As we are a central Govt. research origination, we are eligible for the concessional GST @ 5 % against DSIR certificate as per the new notification no- 45/2017 – central Tax (Rate) dated 14th November 2017, notification no. 51/96 customs dated 23.07.1996 and notification no. 47/2017 integrated tax (rate) dated 14.11.2017.

P. 11/11