

Proposal For Establishment Of Integrated Modern Hi-Tech Nursery

General:

1. Sealed tenders are invited from reputed companies having experience, technical competence, capacity and financial wherewithal for establishment of a World Class Integrated Modern Hi Tech Nursery containing the components mentioned in the Annexure 1 appended herewith.

Experience:

2. Previous experience in establishing such an Integrated Modern Hitech nursery for Government departments, large Corporate companies / large establishments for production of minimum of 10 lakh plants per year will be preferred. Companies with proven track record and recognition of quality of their work such as ISO recognitions will have added advantage and will be preferred. Companies having experience as mentioned above and also ISO recognitions if any should submit proof of such experience and recognition along with the tender. The tenderer also should submit income tax returns for the past two years as proof of turnover of the company. The company should have experience and be capable of establishing all the components of the nursery with out subcontracting.

Location of the nursery:

4. The tenderer should establish the Integrated Modern Hitech Nursery at the following site Mahasamund, Durg, Bilaspur and Jagdalpur Necessary three phase power connection up to the nursery point will be provided by the Department.

Tenders:

5. Tenders should be submitted only in the prescribed format. The prescribed format for submitting Technical and Financial bids are available and the tender forms can be downloaded from the webpage and accompany a demand draft for Rs 2000 drawn in favor of Divisional Forest Officer, Research and Extension, Raipur. If a demand draft for Rs 2000 is not submitted along with the tender forms, such tenders will be summarily rejected..

6. The tenderer should go through the technical details mentioned in the Annexure II and stick to the specifications mentioned there in while quoting the rates. The rate should include all incidental expenditure such as transportation of the equipment to the site, insurance including transit insurance etc.,

7. The tenderer should quote separately for each of the item mentioned in the Annexure I.
8. The rate quoted should be inclusive of all taxes. Rates mentioned in the quotations should be in Indian Rupees. All costs of importing any components will be the responsibility of the tenderer.
9. Tenders should be typed neatly or written in ink and tenders filled in with pencil will be summarily rejected. All tender documents and schedules shall be signed on all pages and the seal of the company shall be affixed on all tender documents and schedules on each page. All corrections if any should be duly attested. Any tenders which have corrections which are not attested by the tenderer will be summarily rejected.
10. The tenderer should submit Technical bid and Financial bid separately. The Technical bid and Financial bid should be submitted in separate covers and each of these covers should be sealed. On the cover containing Financial bid, the following should be clearly written: "Financial Bid for Integrated Hitech Modern Nursery". On the cover containing technical bid, the following should be clearly written: "Technical Bid for Integrated Hitech Modern Nursery". These two covers should be put in another separate cover which should also be sealed and on this cover the following should be written clearly " Bid for establishment of Integrated Modern Hitech Nursery " . Each page of the tender form, schedules etc., should be signed and stamped with the seal of the Company.
11. The Technical bids will be scrutinized first followed by Financial bids. In the first stage those tenderers whose technical bids are as per the terms and conditions will be shortlisted. Financial bids of these short listed tenderers will be opened separately. The short listed tenderers will be informed the date of opening of the Financial bids. The short listed companies will be informed primarily by India Post. Therefore, the tenderer should indicate his correct postal address in their Technical bid. They may also submit the details of their working Telephone & Fax numbers and e-mail ID for this purpose. The undersigned may also inform the short listed tenderers by telephone, fax or email though it is not mandatory on the undersigned to do so. The undersigned is not responsible if the information on the date of opening of the Financial bids does not reach the tenderer in time due to the failure of the Postal Department. The undersigned also is not responsible if the telephone, fax or emails of the tenderer are not working or the intimation does not reach the tenderer in time for any other reason.

12. The last date for submission of the tender will be 31.10.2011 at 3 PM. The tenders should reach the Office of the Divisional Forest Officer Research and Extension Raipur on or before 31.10.2011 before 3 PM. Tenders received after this date and time will not be considered. Tenders can be submitted by person or by India Post only and should not be sent by Courier. It is the responsibility of the tenderer to see that their tenders will reach the above address with in the time and date prescribed. Tender will be opened at 4 PM at the office of DFO (R&E), Raipur

EMD:

13. The tenderer should submit an **EMD separately for each nursery** of Rs 200000=00 (Rupees two lakh only) drawn in favor of Divisional Forest Officer, Research and Extension, Raipur through a Demand Draft drawn on any Nationalized Bank payable at Raipur along with the tender form. EMD should be included along with the Technical Bid in the cover containing Technical bid as the Technical bid will be opened first. The tenderer should NOT include EMD in the cover containing Financial Bid. If the EMD is not found in the cover containing Technical Bid, the tender will be rejected. EMD of unsuccessful tenderers will be refunded within 3 days of opening of Financial bids. Tenders received with out enclosed EMD in the cover containing Technical Bids will be summarily rejected. EMDs other than in the form of Demand Draft will not be accepted and the tenders with EMD in the form of other than Demand Draft will be summarily rejected. The EMD amount will not bear any interest. The undersigned will not entertain any request for adjusting the EMD from the tender due / running bills or from the EMD / Security Deposit of / for any other tenderer. In case of withdrawal of tender by the tenderer within the Validity period of the offer or before finalization of the order, the EMD amount paid will be forfeited.

Validity of tenders:

14. Validity: the rate quoted by the tenderer should be valid for a period of 60 days from the date of opening of Financial bid and during the validity period of the offer, the bidder is not permitted to make any upward revision in the rate or withdraw his offer. In case of withdrawal of offer or upward revision of rate as stated above, the EMD amount will be forfeited.

Other conditions:

15. The undersigned reserves the right to include, delete or modify any condition at the time of opening of the Financial bids.

16. The tenderer shall give a guarantee for trouble free performance and against manufacturing defects for the installed equipment for all the components as in Annexure I for a period of one year from the date of commissioning of the equipment. He shall agree to replace or repair at his own cost, part or whole equipment found defective, within (10) days of time after receipt of intimation from the undersigned regarding the defects.

17. The successful tenderer should submit a security deposit in the form of a Bank Guarantee for a period of one year from the date of agreement to the extent of 5 % of the total cost of the tender. This Bank Guarantee will be released only after successful completion of all the components as per the Annexure 1 and 2. The bank guarantee shall be renewed by the tenderer whenever asked to do so by the undersigned.

18. The successful tenderer will be issued a Work Order. On issue of the work order the tenderer should enter in to an agreement with the Undersigned for establishing the Integrated Modern Hitech Nursery as per the specifications in the Annexures I and II and for completing the work as per the specifications mentioned in the Annexure II and also in time prescribed by the undersigned. He should submit along with the agreement a Security Deposit as mentioned in clause 17 above.

19. The tenderer should demonstrate to the satisfaction of the undersigned the successful functioning of each of the component mentioned in Annexure I and II.

20. The security of the equipment transferred to location of the Nursery by the tenderer shall be the responsibility of the tenderer and the undersigned shall not be responsible for the safety or security of the equipment at the site till all the components are installed to the satisfaction of the undersigned. The tenderer may insure the equipment at his cost.

21. The undersigned has to the right to accept or reject any tender or reject all tenders with out assigning any reason and reserves the right to call for fresh tenders at his discretion.

22. The undersigned reserves the right to invite tenders and award the contract to any other company, if the successful tenderer is unable to complete the work fully in a satisfactory manner in the time prescribed. The under signed shall not be responsible for any loss or damages that may accrue to the tenderer in such a case.

23. It will be the responsibility of the company to fully establish each of the components as in the Annexure I and prove the successful functioning of the facility. Mere supply of the equipment required for a particular item in Annexure I and II shall not be considered as successful completion and no payments will be made to the tenderer for the equipment so supplied and costs incurred in transportation etc., if the tenderer fails to establish the facility in fully functional form.

24. Payment to the tenderer will be made as following: on satisfactory completion and demonstration of functioning of each of the items in the Annexure I , corresponding payments for that item will be made.

25. In case of any dispute regarding the interpretation of any clause of this contract, the decision of the undersigned shall be final and binding on the contractor.

26. Jurisdiction for Legal Proceedings: Notwithstanding anything contained herein, only the local Courts shall have exclusive jurisdiction of any dispute between the parties hereto, to the specific exclusion of all other courts.

27. Transfer and Subletting: The successful tenderer shall not sublet, transfer, assign or other wise part with the contract or any part thereof, either directly or indirectly to any other firm or company or individual. The successful tenderer shall be entirely responsible for the execution of the contract on his own.

28. Cancellation : In the event of unsatisfactory performance in executing the tender as per the terms and conditions and technical specifications, the order is liable for cancellation. The decision of the undersigned on satisfactory completion as per the technical specifications or otherwise is final. The costs, damages or loss because of such cancellation will be borne by the tenderer the undersigned shall not be responsible for any such loss.

The Details are as per in the following annexures:

Annexure-1	Components of an Integrated Hitech Modern Nursery
Annexure-ii	Technical specifications of the components of the Integrated Hitech Modern Nursery

Annexure I

Components of an Integrated Hitech Modern Nursery

1. Root trainers + stands as required for the clonal multiplication 90 cc, 40 cavity / tray 5,000 No's and 200 cc **with stands** 5000 numbers
2. Automated Modern Mist chamber (poly carbonate sheet based) 128m²
3. Shade / Lathe house (1056 sq m)

ANNEXURE-II- SCOPE OF WORK AND TECHNICAL SPECIFICATIONS**1. Specification for Mist Chamber:**

Size	8.0m x 16.0m x 3.0m x 2.5m. Area = 128 Sq. m	Rate in Rupees	Taxes	Total cost including taxes in figures	Total cost including taxes in words
Length of each span	16m				
Width of each Chamber	8 m				
No. of span in each chamber	1				
Span center height	5m				
Gutter height	3.0 m				
Door size	1.2 m x 2m				
No. of Doors in each chamber	1				
Area of each span	128 sq. m				
Total area of one chamber	128 sq, m				
Total No. of chambers	1				
Structure: Made out of G.I pipes ISI marked size 47 x47 mm, 38x38 mm, 32x32 mm and 25x25 mm complete pillars and purling system. The structure is to withstand wind speed of 120 km/h.					
Covering: With 5mm Flute type poly carbonate UV Stabilized covering materials of to be fixed with aluminum strip, screw etc.					
Door: GI.doors using 100 mmx44.5mmx2mm thick box section for outer frame, 44.5mmx50mmx2mm thick vertical					

and standard horizontal sections of coverd with poly carbonate sheet					
Cooling System: Evaporating cooling pad with exhaust fan to decrease the inner temperature per below detail.					
Pad size	8 mx2m				
Thickness	100mm(4")				
Frame	20 gauge thick GI sheet gutter and top cover with water drip				
Water storage tank	PVC 500 lt.(5 no s) ISI marked/				
Pump	1.0HP ISI marked				
Fan	1 nos imported				
Size	1400mm(54")sweep				
Speed	500 RPM				
Motor	1Hpsingle/three phase				
Misting System: To enhance the desired humidity in the Mist chamber up to 90%± 5% by providing following system					
Nozzles	Foggers upside down				
Make	ISRAEL made				
Water Discharge	28LPH each nozzles				
Quantity	As per requirement				
Lateral pipe	16 mm LDPE black				
Filter	Screen 5m ³ ISI marked				
Water Storage tank	PVC 1000 lt. ISI marked				
Pump	2 HP ISI mark				
Controller: Digital for temp. & Humidity with sensor, with by pass arrangement for manual operation.					
Electrical Fitting: Would be ISI mark and copper wire with light/ power points for pumps, Fans and other miscellaneous use as per requirement. The control panel to be kept separately outside the chamber with complete protection from rain and wind etc.					
Lighting: Provision of 2 nos. tube light					

(4 in each span)				
Foundation: Grouting of side poles in cement concrete 1:2:4 (30x30x60 cm)below GL.				
Curtain Wall: With first class bricks in 1:6 (cement, sand motor), all side of the Green House 23 cm wide60 cm above ground level with 30 cm below duly plastered.				
Flooring: 2.3"crushed bricks base over that 30-40 mm CC of 1:3:6 ratios with proper drainage slope including earth work with Hard Compressed pavement tiles of 10mm thickness				
Plinth Protection: 45 cm wide 40mm thick 1:3:6 CC over bricks bat base all side of mist chamber.				
Drainage: Entire drainage water from chambers and roof is to be collected by underground PVC pipe and connect it to the collection tank.				

2. Specification for shade net / lathe house

Size	22.0mx48.0mx3m.Area=1056 Sq.mtr.
Length of each shade house	48 m
Width of each shade house	22 m
Shade house height	3 m
No of shade net house	1
No of Bays	3
Door Size	1.2mx 2m hinged door arranged and covered with shade net
No of door for each shade house	1
Stanchion distance	5 m
Splash guard wall	400 mm height from ground level and 225 mm thick all around.

Provision for middle path way	1 m. width pavement construct both side brick wall of 400 mm height and fill with 2.3" crushed bricks base over that 30-40 mm CC of 1:3:6 ratios with proper drainage slope including earth work with Hard Compressed pavement tiles of 10mm thickness
Sand filling	1,008m ² filled with fine sand up to curtain wall height
Stanchion pipes	48 mm GI Square pipe ISI mark
Roof structure and horizontal pipes	42mm, 32 mm GI square pipe ISI mark
Grouting	Stub type foundation
Roofing and four side covering	25%/50%/75% shade factor shade netting in green color.
14 SWG TATA make GI wire on top at 4 m pitch to prevent flapping and to with stand wind speeds Local stitching of shade net to be done by UV stabilized special stitching threads.	
Misting System: To enhance the desire humidity in the chamber up to 90% + 5% by providing following system:	
Irrigation	Strip Wetter
Make	ISRAEL made
Water Discharge	2 LPH
Quantity	As per requirement
Lateral pipe	16 mm LDPE black
Filter	Screen 5m ³ ISI marked
Water Storage tank	PVC 1000 lt. ISI marked
Pump	2 HP ISI mark

- 3.a. Root trainer + stand - 90 cc, 40 cavity / tray - 5,000 no.
b. Root trainer + stand - 200 cc - 5,000 no.

Technical Bid:

01	Name and address of the Tenderer		
	Phone No		
	Fax number		
	Email address		
02	Cost of tender form submitted as Demand draft	DD Enclosed / Not applicable	
		DD No.	
		Date	
		Bank	
03	Whether the tender have enclosed EMD amount. Please indicate the DD No Date, Bank Name.(offer received without EMD are liable for rejection)	YES /NO	
		DD NO	
		DATE	
		AMOUNT	Rs.----/-
		BANK	
04	Experience details of establishing Integrated Modern Hitech nursery with all the components to a tune of 10 lakh plants per annum is required. Proof enclosed ?	Yes / No	
05	Has the tenderer established Integrated Modern Hitech nursery for any Government establishment or large corporate bodies with 10 lakh plants per annum? If yes, proof enclosed ?	Yes /No	

06	Does the tenderer has ISO certification as a proof of high standards of quality? Proof to be enclosed.	Yes /No
07	Validity of offer: Whether agreed for the validity period of 60 days from the date of opening of the tender?	Agreed /Not agreed
08	Is the tenderer agreeable for the payment terms ?	Yes /No
09	Is the tenderer agreeable for the general terms and condition and special conditions of the tender.	Agreed / Not agreed
10	Income tax returns details with proof for the past two years enclosed ?	Yes / No

- I/We hereby declare that the information furnished above are true and correct to the best of my/our knowledge.
- I/We hereby declare that all the terms and condition of the tender no ----- have been read and understood by Me/Us.
- I/We accept all the terms and conditions contained in the tender ----- and agree to abide by all of them.
- If the statement of information furnished above is found incorrect /false , I/We further agree that Divisional Forest Officer ----- reserves the right to reject the tender based on its evolution
- I/We enclosed herewith DD No _____ dt _____ for Rs. -----/- towards EMD as per tender conditions.

DATE:

ADERSS:

SIGNATURE WITH SEAL

NOTE:

- the due date for submission of completed tender documents is 16-6-2011 at 3.00PM
- No late tender will be entertained and the Divisional Forest Officer, Research and Extension, Raipur will not responsible for postal or any other delay in submission of bid on due date and in time.
- Separate Tender form and EMD has to be submitted for each Nursery.