

TFDPC Industrial Estate
Tripura Forest Development & Plantation Corporation Limited
Anandanagar, West Tripura, Pin 799 004

Notice Inviting Tender

Sealed tenders are invited on behalf of Tripura Forest Development & Plantation Corporation Limited, Agartala, Tripura from reputed suppliers/manufacture and service provider for supply, installation, commissioning, product design and operation support including product quality assurance of Door Manufacturing Unit (for production of Solid Wood Door, Raised & panel Doors, Kitchen Shutters, Window Shutters, Door and Window Frame using Wood & Solid Wood Board and Skin Door using Wood and Wood Waste – 40 units per day as per annexure II) and trial operation of the plant including running of the plant at optimum level of production as per terms and conditions given in Annexure I and Tentative Schedule of Requirements and technical specifications given in Annexure III..(Annexure I, II and III forming part of these notice).

The Tender is to be submitted in letterhead neatly printed / typed, duly signed by authorized person with seal of the bidder to

The General Manager (TFDPC Industrial Estate)
Tripura Forest Development & Plantation Corporation Limited,
Abhoynagar, (Behind Raj Bhavan)
Agartala – Tripura, Pin:- 799 005

Last date for submission of tender: 2nd May'2011 upto 3 PM
Due date for opening of tender: 2nd May'2011 at 3-30 PM

(Under unforeseen circumstances and if the due date falls holiday the tender will be received and opened on the next full working day at the same time)

(Alak Pal)
General Manager
TFDPC Industrial Estate
Anandanagar, West Tripura

Encl: Three annexure (7 pages)

No.F.12-3/ Door Project/Tender/TFDPC IE - 11/ 33-42

April 7, 2011

Copy to:

1. The Managing Director, TFDPC Ltd. – for Kind information with a request for display one copy in the Notice board of his office.
2. The Divisional Manager, North/Sadar/South-I/South-II :- for Kind information with a request for display one copy in the Notice board of his office.
3. The Infotech.com with a request to upload the same with enclosure in our website www.tfdpc.com.
4. M/S.....
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General Manager

Terms & Conditions

- 1 **Earnest Money Deposit:-** The tenders should be accompanied by Earnest Money Deposit (EMD) in the form of Demand Draft drawn in favour of ‘The General Manager, TFDPC Industrial Estate, Anandanagar’ Payable at Agartala. For unsuccessful bidder the EMD shall be refunded immediately after finalization of tender. EMD shall be forfeited if any bidder withdraw their offer before expiry of the validity of their offer or fails to submit order acceptance within 15 days from the date of order. No interest is payable on EMD. The EMD prescribed against the tender is Rs. 5,00,000 (Rs. Five lakh only).
- 2 **Tender documents** can be obtained from the office of the General Manager, TFDPC Industrial Estate, Anandanagar, West Tripura. The request for tender documents from outstation firms may be made through e-mail to gm_tfdpc@rediffmail.com and shall reach at-least 7 days prior to the last date of receipt of tender.
- 3 Envelop containing tender should be properly sealed only by Sealing Wax embossed with the Logo or Monogram of the bidders. Envelopes sealed by only gum or stapled shall not be accepted. Tenders submitted through telegram, telex, fax or e-mail will not be considered.
- 4 Envelop containing tender shall be superscripted as “**Tender for Door Manufacturing Unit at TFDPC Industrial Estate, Anandanagar**”
- 5 The Offer should be submitted strictly as per the terms and conditions and procedures laid down in the tender documents failing which the offer are liable for rejection.
- 6 The Rates should be quoted in INR including standard accessories & tools, transportation, unloading, installation & commissioning, one year operation & production monitoring including product quality assurance charges and spare parts & tooling for one year operation at rated capacity.
- 7 The **Tentative Schedule of Requirements and Technical Specification** given in Annexure III is not exhaustive. Minor modification of specifications and addition of new machineries are allowed if any bidder finds it necessary to deliver desired performance and output at desired level. In that case sufficient justification shall have to be given by the bidder. In no case deletion of machine from the list will be allowed.
- 8 The bidder shall have to quote for
 - a) Price of machine separately for each machine
 - b) Rates of spare parts (item wise) & tooling (item-wise) for one year separately for each machine.
 - c) The Rate should be quoted FOR TFDPC Industrial Estate, Anandanagar, Agartala basis including Installation & commissioning for all machines.
 - d) Training and one year operation & production monitoring including product quality assurance for the factory collectively.
- 9 The machines shall be installed and commissioned by tenderer at TFDPC Industrial Estate, Anandanagar, Tripura. The supplier must provide training to operators and must depute experienced skilled technicians for a period not less than one year (excluding commissioning period, trial run, program time and test run) to assist, monitor and solve all functional problems in operation & production including product quality assurance.

- 10 The Output of the factory shall be Solid Wood Door, Raised & Panel Doors, Kitchen Shutters, Window Shutters, Door and Window Frame using Wood & Solid Wood Board and Skin Door using Wood and Wood Waste– 40 units per day as per Annexure II.
- 11 Tender(s) should accompany the detail **Technical Specifications** supported by catalogue, capacity and output per shift of each machine and also collective output of the factory.
- 12 Tender(s) should be accompanied by a CD(s) and the tenderer shall have to provide a **Presentation** explaining the functioning of all the machines in operative condition at the time of opening the tender and/or at the time as deem fit by TFDPC Ltd..
- 13 The tender(s) shall be accompanied with detailed design, drawing, production cost and market price of all products mentioned in Annexure II.
- 14 Supply of tools for one year shall be for all types of products mentioned in Annexure II.
- 15 The supplier shall identify and guide & help in for procurement of all types of raw materials (except wood and solid wood board), fitments, consumables etc required for manufacture of high quality products. Procurement of first lot of MDF skins of various grades and glue shall be responsibility of bidder.
- 16 The tender(s) shall accompany the list of all spares and tools with brand-name, specification, name of manufacturer and/or Indian supplier along with approximate requirement for one year operation. The tender(s) shall also furnish list of alternative supplier(s)/manufacturer(s) of repute (at least three).
- 17 Tender(s) should specify the Rating & Brands of the Motors & Pumps etc of reputed or standard make.
- 18 **Taxes & Duties**
 - a) Excise Duty:- The legally applicable rate of Excise duty should be clearly mentioned in the bid. In case the price is stated inclusive of Excise duty, the current rate included in the price must be indicated. If the bidder is exempted from paying the Excise duty, the same must also be confirmed with valid documentary evidence(s).
 - b) Sales Tax:- The legally applicable rate of Sales Tax should be clearly mentioned in the tender. 'C' forms will be issued against all supply and hence CST shall be charged accordingly.
 - c) Any other duty or levies if chargeable should be mention in the tender(s).
 - d) An undertaking shall have to be given by the bidder mentioning the Awareness of Statutory & Legal Requirement(s).
- 19 **Payment Terms:-**
 - a) 70% of the cost of machineries along with transportation charges will be paid after receipt of machines in good condition.
 - b) Next 20% of the cost of machineries along with EMD and Installation & commissioning charges will be paid on successful commissioning of the machines.
 - c) Training & operation for one year after completion of one year.
 - d) 70% of cost of spare parts & tooling for one year after receipt and rest 30% after completion of one year.
 - e) Balance 10% of machineries after successful operation of one year.

- 20 The bidder shall have to provide layout plan, detail electrical layout plan, design and drawing of electrical LT control panel boards, Distribution panel, Cables, MCCB's, Earthing, lightning arresters safety gears, bus bars etc required for the factory in details (excluding lights & fans), Dust collection pipe layout, Compressor air pipe layout design, water line layout etc. Tender(s) without details of design and drawing incorporating all mentioned above will be disqualified.
- 21 Installation, commissioning and trial production shall be completed within six months from the supply order.
- 22 **Warranty:-** Bidders should furnish the manufacturers' composite guarantee for satisfactory performance of the same in all respect for a period of at least 12 months operation from the date of commissioning. If any defects are found due to faulty design or bad workmanship the defective part(s) will be replaced by the supplier at site & installed if necessary free of cost by new spares. Warranty replacement should be completed within one month from the date of claim.
- 23 Tender(s) without commitment of installation & commissioning, one year production monitoring with product quality assurance and spare parts & tooling for one year operation and training of operators at site will be treated **INVALID**.
- 24 Representative of TFDPC may inspect the plant & machineries after manufacture or similar machineries in operative condition before dispatch/ supply. The supplier should facilitate the inspection.
- 25 The management of TFDPC Ltd reserves the right to reject any or all the tenders without assigning any reason thereof. The criteria for selection of supplier will be based on technical specification and rate(s) quoted for each item(s). The management may accept any tender other than the lowest one depending on technical specification / parameter of the particular machine.
- 26 The available floor area is 2120 Sqm(40.3m x 52.6m). All major machines are to be accommodated within this area. Separate construction may be done by TFDPC (if necessary) as per design to be provided by supplier(s) for boiler and dust collector only. A complete comprehensive outlay design / plan to the scale has to be submitted along with the tender(s) by the tenderer without which the tender(s) will be treated as **INVALID**. For this purpose tenderer(s) are advised to visit the factory site in advance.
- 27 All the pages of tenders including the documents therein must be duly signed and failing which the offer shall be liable for rejection.
- 28 An agreement shall have to be signed between TFDPC and the successful bidder mentioning schedule of completion of the project and other terms and conditions.
- 29 Tenders **erased and overwritten** shall be summarily rejected, unless authenticated with bidder's signature with seal.
- 30 The forwarding letter of the offer must contain the details of documents enclosed.
- 31 All disputes shall be subject to the jurisdiction of Agartala Court only.

Alak Pal
General Manager
TFDPC Industrial Estate
Anandanagar, West Tripura

Schedule of Products

Sl no	Description	Minimum Capacity
1	Solid wood Door Shutters of six variety design and of different sizes	40 units per day of any one products.
2	Raised and panel Door shutters of six variety design and of different sizes	
3	MDF skin Door shutters of six variety design and of different sizes	
4	Solid wood window Shutters of six variety design and of different sizes	
5	Solid wood Kitchen Shutters of six variety design and of different sizes	
6	Solid Wood Door/ window frames of different sizes	

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Tentative Schedule of Requirements and technical specifications

Sl. No.	Name of Item	Description	Qty.
1	Cut off saw	Working thickness- 5-60mm, working width 10-200mm, spindle speed 3700 rpm,	1 no.
2	Straight Line Rip Saw with Auto Feeder	Feed material Length range 200-2500 mm, Depth of cut 75 mm, Auto feed mechanism, Feed speed 11-26 m/min Variable speed Saw arbor brake system, with exclusive lubricator and accurate reading of fence positioning.	3 sets.
3	Auto Double Surface Planer - with Auto Feeder	Width of plane 610 mm, thickness of plane 150 mm, Minimum width of plane 10 mm, Minimum length of plane 320 mm minimum number of knives 4 pcs, Cutter head diameter: Ø 126 mm, minimum Cutter head speed (plain knife): 4000 RPM, RPM of step-less variable speed: 7 – 16 m/min with Auto feed mechanism.	1 Set
4	Sliding Head Router with Auto Feeder	Chuck to table top maximum:8¼” (210 mm), Throat clearance29½” (750 mm),Table tilt 45 ⁰ Spindle stroke, 75mm, Spindle speeds :10,000 / 20,000 rpm (2 speeds) Coller Size6/9/12 mm	1 Set
5	Sliding table, Tilting Spindle Shaper with Auto Feeder	Minimum Spindle diameter 30mm, Spindle speed 4,500 RPM, Taper of spindle MK5, Spindle travel5” (130 mm), Tilting angle -5 ⁰ ~90 ⁰ ~ + 45 ⁰ Max. table insert diameter (210 mm – 250mm) .Auto Feeder No. of feed roller 4, No. of feed speed 4 or 8, Range of feed speed (60 HZ):4/8/11/22 M/min.	1 Set
6	Single end 5 spindle tenon.	Material process able upto 355mm x 115mm, cut tennon at one operation 126mm, swiveled 45 ⁰ angle, cutter head rise 1525mm,	1 no
7	Chain and hollow Chisel Mortiser	Material process able upto 150mm width, width of chain 28mm, chisel in hard wood 20mm, bore upto 35mm dia, longitudinal movement 610mm , transverse movement 100mm, vertical movement 200mm	1 no
8	Manual Double End Circular Sawing Machine	Processing Length : 500 – 2440 mm Processing Width : 580 mm Saw blade Dia : 25.4 mm	1 Set
9	Universal Single Head	Boring Head :(M8 or M10)x 32 mm x 5 holes	1 Set

	boring machine	Stroke distance, 0 ~ 80 mm	
10	Five Head Horizontal Boring Machine	Spindle speed: 3400 RPM / 2800 RPM Boring Head:(M8 or M10) x 32 mm x 5 Holes Stroke distance 0 ~ 80 mm, Max. working length 2100 mm (opposite), 2900 mm (parallel)	1 Set
11	Multi Drill Boring Machine	Spindle Speed :2875 rpm / 3450 rpm , Thickness of panel: 80 mm, Boring depth: adjustable max. 75 mm, Working speed :0-15 cyles / min, Pitch of spindles32 mm, No. of spindles , 27 pieces, Distance between 1 st & last spindle:832 mm	1 Set
12	Uneven surface sanding machine	Width of door 1250mm, maximum height-150mm, conveyor speed-5-25m/min, speed of roller -600-1500 rpm withSanding head with oscillating brush, cloth bend brush and slashed fabric brush.	
13	Hot Press Machine -	Total Pressure : 3000 KN (300 T) Specific Pressure : 9.84 Kg/cm ² Platen size and No. :1370 x 2700 x 42 mm / 6 pcs Working layer : 5 Platen opening : 100 mm Cylinder No. 7 Dia : 5 – Ø150 mm Heating medium : Steam or Thermic Oil Platen Opening Way : Automatically With all arrangement for heating either steam or thermic including pipelines complete. Any civil construction required for the steam generation and or thermic fluid heating will be done by TFDPC as per drawing and design of tenderer.	1 Set
14	Through Feed Edge Banding Machine -	Min. Width of the Panel : 80 mm Min. Length of the Panel : 160 mm Max. Thickness of the Panel: 60 mm Min. Thickness of the Panel : 10 mm Edge Dimensions in Strips : 0.4~ 8 mm Edge Dimensions in Roll : 0.4~ 3 mm No. 2 Feed Speed : 12~ 16 m/min Glue Tank Capacity : 2.5 LT	1 Set
15	Double End Door Frame Machine -	Working length :600 – 2500 / 3000mm, Working height 90 mm, Working width: 200 mm Spindle diameter:40 mm, Spindle speed :5000 RPM <u>Left Cutter and Right Cutter Units:</u> Hydraulic control of two cutter unit – 90 ⁰ and 45 ⁰ , ensuring stability. <u>Control Panel Unit:</u> Moveable and central control panel with electronic digital readout setting width standard. <u>Linear Rail, Ball Screw width setting:</u> Precision width setting mechanism same as CNC machine.	1 Set

16	Finishing Line 8' Spray Booth Water Curtain	<p>8' Water Curtain Spray Booth with stainless construction along with suitable pressurized air supply system, 2 Nos. Spray pumps with guns and one dryer along with pneumatic sanders, down draft table – 1 lot.</p> <p>Effective area : 8' x 5' x 6'</p> <p>Extraction system : One number of centrifugal blower with electric motor having capacity of 9000 m³/hr. @ 40mm WG with MS material and epoxy painting all over.</p> <p>Water circulation system Suitable centrifugal pump, Flow Capacity 12000 LPH with 12 meter Head, Spray nozzles with baffle system, Water gutter, Baffle , Demister pads, SS ball valve for the pipe line with non return valve, 4' close type grill, Booth housing, Bottom water tank, Electrical Items, Electric starters for all the motors, required internal wiring etc, Vibration mounts, :For all the base legs.</p> <p>:</p> <p>Infra Red Drying Oven – 12' x 12' x 8' ht,</p> <p>Heating system : Suitable heating system for wood spray drying application including thermo couple, thermostat, digital temperature display, complete wiring with ON / OFF switch etc.</p> <p>Temperature control Between 40 to 60⁰C</p> <p>Temperature distribution: Circulation fan - 4 Nos</p>	1 Set
17	Dust Collector -	Suitable for entire factory either individual or centralized with pipelines.	1 set
18	Electrification	To be finalize immediately after finalizing the plant & machinery. The supplier is to supply design and drawing for suitable electrical safety gears for all machineries mentioned in this tender.	1 set
19	Air Compressor	Horizontal screw compressor 100 CFM of air, Working pressure – 14 kg/cm ² ,Capacity – 1000 litre With all pipelines & fittings required for the factory.	1 no
20	Work shop equipments	As per requirement of the factory	1 set
21	Hand tools	As per requirements of the factory	1 set

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General Manager
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