



**TIRUCHIRAPPALI ENGINEERING AND TECHNOLOGY CLUSTER (TREAT)**

Regd. Office: P2, Adjacent to GK industrial park Pvt Ltd.,

Reddimangudi village, Siruganoor, Lalgudi TK, Trichy dt. pin: 6211015

Admin Office: Shed No. A3, TREC-STEP campus, Thuvakudi, Trichy-620015.

Ph: (+91)431-2500606 Fax: (+91)431-2500616

Email: [treat.trichy@gmail.com](mailto:treat.trichy@gmail.com) ; web: <http://www.treatcluster.in>

**TENDER FOR PLATE DE-COILING, STRAIGHTENING AND CUT TO LENGTH MACHINE**

**FOR TIRUCHIRAPPALI ENGINEERING AND TECHNOLOGY CLUSTER (TREAT)**

**REFERENCE NO: TREAT/CAP/0013/14-15.**

**Date and time of tender opening: 25/03/2015 at 4.00 P.M.**

**Venue:**

**Shed No: A3-TREC STEP,**

**NIT CAMPUS,**

**THUVAKUDI,**

**TRICHY-620 015.**

Tender opening can be attended by authorized personnel of the company. They should bring the authorization letter in original.



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REFERENCE NO: TREAT/CAP/0013/2014-15.

DATE AND TIME OF TENDER OPENING: 25/03/2015 AT 4.00 P.M.

<b>SPECIFICATION FOR PLATE DE-COILING, STRAIGHTENING AND CUT TO LENGTH MACHINE</b>			
<b>S.No</b>	<b>Particulars</b>	<b>TREAT Specification</b>	<b>Bidder Offer (with Complete Technical Details)</b>
1	<b>Purpose</b>	Decoiling, Levelling and Cutting to desired length Steel Coils of varying Thickness upto 16 mm.	
2	<b>Materials to be processed</b>	Steel Hot rolled...410 Mpa max	
3	<b>Thickness</b>	1.2mm - 16mm	
4	<b>Width</b>	800 mm - 2000mm	
5	<b>I.D. of coil</b>	610mm to 760mm	
6	<b>O.D. of coil</b>	1900mm Max	
7	<b>Coil weight</b>	25 Tons Max	
		Alternative offer for 35T max and 2200mm OD to be quoted as option	
8	<b>Stacker load</b>	5 Tons Max	
9	<b>No.sheets per minutes cut</b>	(No/Min - Length) 7 sheets / min - 2500 mm 6.5 sheets / min - 3000 mm 5.8 sheets / min - 4000 mm 5.3 sheets / min - 5000 mm 4.9 sheets / min - 6000 mm 4.2 sheets / min - 8000 mm	
10	<b>Cut lengths</b>	1000 mm - 8000mm	
11	<b>Cutting accuracy</b>	± 1.0 mm up to 2.4 meter ± 2.0 mm for 2.4~5meter ± 3.0 mm for 5~8 meter ± 2.0 mm - Diagonal Tolerance For any length	
12	<b>Electrical Power</b>	AC415 V±10% 50Hz 3ø	
13	<b>Hydraulic unit</b>	Low 50Kg/cm <sup>2</sup> High 100 Kg/c m <sup>2</sup>	
14	<b>Hydraulic / Shear</b>	Low 20Kg/cm <sup>2</sup> High 200 Kg/c m <sup>2</sup>	
15	<b>Pneumatic supply available</b>	5Kg/cm <sup>2</sup> Flow to be given	



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16	<b>Cooling unit</b>		
		Cooling water requirement to be furnished.	
17	<b>Control system</b>		
		Details to be given	
18	<b>AC servo motor</b>		
		For All drive	
19	<b>THE CUT TO SIZE LINE COMPOSITION TO BE AS BELOW:</b>		
		A) Coil Saddle & Coiler Car	
		B) Uncoiler	
		C). Coil Hold Down Roll and Stripper 1 Set	
		D) One set of plate straightener with Pinch and straightening rollers	
		With at least 1set of pinch rollers and 5 straightening rollers	
		E) Side Guide	
		F). Table	
		G). Side Guide	
		H) Shear	
		J). Lifter	
		K) Run Out Equipment/ Table	
		L) Conveyer Table	
<b><u>OTHER CONDITIONS</u></b>			
20	The equipment to be complete with 1 Hydraulic System, Power packs, all valves, Interconnecting hoses etc.. All components of hydraulic system to be either Vickers or Rexroth. Supplier to get prior permission, if any, other components are to be used.		
21	Electric System Complete with control system, VFD, Motors protective equipments, Interlock, and all interconnecting cables		
22	Power supply of 415 V+_ 10% , 3 Phase 50 Hz will be given at one location by the purchaser.		
23	The individual Motor power and connected load to be given with offer.		
24	The machine structure to be either Cast Iron or fabricated out of mild steel and stress relieved. All rollers and Gears are to be hardened and ground.		
25	The machine to work up to an ambient temperature of 45 ° C and RH of 95% both not occurring at the same time.		
26	The supplier to supervise the machine erection and commissioning of the machine.		
27	The supplier to train our operator in operation and maintenance of the machine.		
28	Operating, maintenance and spare manuals are to be English		
29	The Foundation Drawings , Electrical wiring Drawings, Pneumatic connection requirements, etc should be given immediately after receipt of the order		



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## **06. COMMERCIAL OFFER**

The Bidder shall indicate the price for complete scope of their supply in detail on Ex-works in rupees. Exclusions if any shall be specified by the Bidder.

## **07. PAYMENT TERMS AND CONDITIONS**

- Tax and duties will be paid extra. Please specify the rate of tax.
- Supplier to furnish the performance bank guarantee for 10% of PO value for 1 year validity from the date of commissioning.
- Payment terms to be discussed mutually

## **08. ERECTION AND COMMISSIONING**

- Vendor to deploy required manpower (fitter, technician, and helper etc..) during commissioning of plant. Any rectification works found necessary during commissioning due to faulty workmanship will have to undertake by the vendor at their own cost & responsibility.
- **Power supply will be provided by TREAT**
- **All erection equipment including crane should be provided by vendor.**
- **Storage space for material provided by vendor for erection work will be at TREAT scope.**

## **09 TWO PART BID SYSTEM**

1st Part – Technical bid, 2nd Part-Price bid is invited from experienced, resourceful and bonafide original machinery manufacturer for supply of Plate De Coiling, Straightening and Cut To Length Machine. Separate envelop should be used for Technical & Price bid and indication to that effect may please be super-scribed on the envelopes. The sealed envelope should reach us on or before 25-03-2015 at 4 PM and technical bid will be opened on the same day. Financial bids only of those firms will be opened, who qualify on the basis of the Technical Evaluation by the Tender Committee.



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## GENERAL CONDITIONS OF TENDER

### COMMERCIAL TERMS & CONDITIONS

#### 30. Transportation:

All consignments shall be dispatched by road through reliable transporters on freight to pay and door delivery basis. Necessary Road / State Government Sales Tax Permits/Forms wherever applicable shall be furnished by the supplier. Any demurrage and other charges levied by the transporter for delays in unloading by customer shall be borne by the supplier and settled directly by the supplier with the transporter.

#### 31. Transit Insurance:

Transit Insurance shall be extra and arranged by us.  
System lay-out/ GA drawings shall be sent for approval within ONE week of receipt commercially clean purchase order. Order acceptance: shall be sent by email within two days and signed copy shall be sent within four days by courier.

#### 32. Scope of Supply:

Scope of supply should add to our Purchase Order, Specification sheet, drawings and terms and conditions.

Short Shipment/Loss/Damage: Short shipment if any shall be replaced by supplier without hindering erection or commissioning with own expenses.

#### 33. Warranty:

supplier shall warrant that the machinery and equipment to be supplied shall be free from any defect due to design, materials and workmanship. Warranty period shall be 18 months from the last date of dispatch or 12 months from the date of commissioning, whichever is later.

#### 34. Penalty Clause / Liquidated Damages:

As the time is the essence in establishing the facility intended under this tender, the risk of delays in supplies needs to be mitigated. Therefore, in case of any delay in the supply of items from the agreed delivery pattern, schedule causing time overrun in implementation of project, the supplier would be subject to liquidated damages.

In case supplier fails to meet the supply, erection & commission schedule released on the supplier and accepted by the supplier as defined in PO, the supplier will be charged 0.50% per week or part thereof, subject to maximum of 10% of PO value.

#### 35. Jurisdiction:

All legal dealings are subject to Tiruchirappalli jurisdiction only.

#### 36. General:

Purchase order No. and date should be mentioned in all future correspondence.

In case of any change to that mentioned in the purchase order, prior information should be given to us and Purchase order amendment should be collected from us prior to dispatch.