

**ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LTD.
ICHALKARANJI.**

Upgradation of Infrastructure facilities at Textile Cluster,Ich.

Maharashtra.

Project under Industrial Infrastructure Upgradation scheme (IIUS)-2003.

Ministry of Commerce & Industry.

Government of India.

TENDER DOCUMENTS FOR THE WORK OF-

Fabrication of water cum foam fire fighter body capacity (4500 Ltr water + 500 foam) mounted on TATA commercial vehicle, model SE 1613/42 Turbo including providing & fixing latest type Kirloskar make 2270 LPM, 7 Kg/cm fire pump as per specification & equipment as per list

**ICHALKARANJI TEXTILE DEVELOPMENT
CLUSTER LTD., ICHALKARANJI.**

5/617, SWIMMING POOL PREMISES, NEAR VED BAVAN,
ICHALAKARNJI-416115. DIST.KOLHAPUR.(MAHARASHTRA).

Phone No. : (0230)2421009, FAX : (0230)2421143

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LTD.

5/617, Swimming pool Premises, Near Ved Bhavan, ICHALKARANJI-416115 DIST.KOLHAPUR (Maharashtra)
Phone: (0230) 2421009, Website: www.ichcluster.com Email : chairperson @ inchcluster.com

TENDER NOTICE

Sealed Percentage rate tenders are invited for the following works from reputed Experienced or Registered Contractors.

Sr. No.	Name of the Work	Estimated Cost In Rs .	Earnest Money Deposited in Rs.	Period of Completion of work	Tender Form Cost In Rs.
1	Fabrication of Two fire fighter body with capacity of 4500 lit water tank and 500 lit stainless steel foam tank fabricated and mounted on TATA turbo 1613 LPT / SE model chassis with Kirloskar make 2270 LPM, 7 Kg/cm fire pump as per specification & equipment as per list, TATA make heavy duty full torque power take off, control panel, cooling system as per specification and accessories as per detail list attach	2 x 1418376/-	28370/-	3 months	1000/-
2	Repairing of bitumen road on filled up trenches for pipe line	2897692/-	28980/-	6 months	1000/-

1. Blank Tender Forms, will be issued at cluster office between date 14th Mar. 2008 to 25th Mar. 2008 on payment of tender form fee and fulfilling eligible criteria as per tender form
2. Sealed tenders will be accepted in cluster office on or before Wednesday 26th Mar. 2008 up to 2.00 P.M. Tender will be opened on the same day at 4.00 P.M. in the presence of tenderers. If any change in the date on tender opening it will be informed.
3. Ichalkaranji textile development cluster reserves the rights to reject any or all tenders without assign any reasons.
4. This Tender Notice is also available at our website www.ichcluster.com

(G.R.Akiwate.)
Managing Director.

(Sou. Kishori P. Awade.)
Chairperson

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LTD. , ICHALKARANJI

Sealed tenders are invited from Reputed & Experienced parties_ for fabrication of fire fighter body on TATA 1613/42 BS-II COWL RA 109RR LPT model Turbo Chassis who have carried out similar job (the llist of parties to be enclosed) during last three years.

Fabrication of latest type New Fire Fighter body to be mounted and fabricated on New Tata 1613 LPT model turbo chassis with 5000 ltr. Capacity water foam tank, double drivers cabin, aluminum side panel's Lockers for both side's, First aid hose reel, Latest type Kirloskar Make 2270 LPM 7 kg/ cm Fire Pump with Automatic water ring primer, Power Take off, Cooling system, Latest type water monitor connection direct from fire pump, callows to carry extension ladder, Red Lamp, Fire bell, Siren etc. complete with PO. Red colour with service lettering complete as per our enclosed detail specification.

- i) Fire Fighter Body 2Nos
- ii) Accessories as per enclosed list

Managing Director

SPECIFICATION FOR WATER CUM FOAM TENDER.

- CHASSIS** : Chassis Model tata 1613 LPT turbo chassis as received from you or from manufactures will be utilized for fabrication of this foam tender. The chassis specification will be as per chassis manufacture specification.
- PUMP** : Kirloskar type Rear mounted Fire Pump single stage fire pump having capacity 2270 LPM at 7 kg/cm with body made of gun metal provided with mechanical carbon seal and stainless steel pump shaft having 100 mm round male thread suction inlet and 2x 63 mm delivery valve with female instantaneous couplings is provided at the rear. Pump is to be fitted with automatic water ring primer capable for lifting water to 7 mtrs. at the rate of 30 cm per second.
- POWER TAKE – OFF** : TATA make heavy duty power take off unit is fitted behind the engine gear box to drive the pump at the Lever of the power take off is fitted in the drivers compartment.
- WATER TANK** : A water tank of 4500 Liters capacity to be fitted on the chassis on heavy bearers. The tank is fabricated out of 5 MM M.S. Plate and is to be mounted immediately behind the cabin so as to allow full contents of water to flow to the pump. The tank should be welded construction and to be fitted with two baffle plates. The tank is to be coated internally with anticorrosive treatment. The tank is to be fitted with inspection manhole and covered on top and cleaning hole of suitable dia is also provided at bottom. Inspection manhole cover is to be marked “WATER”. The tank is to be fitted with overflow pipe. Two inlet of filling pipe with 63mm delivery male hose instantaneous connections are provided one on either side of the vehicle. Arrangement is made to nullify the pressure in the tank, so that the water can be drawn in in to the pump without pressure and pump reducing system can function in the normal way. The size of the pipe line leading from the tank to pump will be 100 mm [4inch dia.] and one isolating valve to be provided.
- The pump is connected with the tank and hose reel and control valves are provided to permit following operations:
- 1) Hydrant to tank,
 - 2) Hydrant to Reel
 - 3) Tank to Pump to Reel
 - 4) Hydrant to pump to reel
 - 5) OFF

HOSE REEL : one hose reel fitted with 40 mtrs of 19 cm [3/4 inch dia.] bore hose and shutoff nozzle is provided on the appliance in an accessible position and is worked through the fire pump.

FOAM COMPOUND TANK :

A foam compound tank of 500 lits capacity is mounted on the chassis. This is fabricated out of stainless steel 10 G treated internally with anti-corrosive material and is of all welded construction . the tank has a filter cap with a strainer. One breather valve is fitted to the tank to provide ventilation necessary to allow foam compound to flow from the tank when the unit is in operation. The tank is fitted with a sludge trap and is connected through round the pump proportioner.

COOLOING SYSTEM: Indirect cooling system of open circuit type consisting of a special heat exchanger is provided on the vehicle to enable full power output to the maintained during pumping duty without overheating the hot water is discharged to waste.

ROUND THE PUMP PROPORTIONER :

An around the pump proportioner is fitted between the suction and the delivery of the fire pump which inducts air foam liquid in to the water stream with no loss in delivery pressure from the pump. The proportioner comprises of an inductor and a selector valve which has ports calliberated to ensure the correct intake of an air foam liquid to supply to solution for the operation of foam making branch pipe. The proportioner has five position selects air foam liquid to feed the corresponding foam equipment.

CONTROL PANEL : The control panel at the rear includes the following

- 1] Compound gauge.
- 2] Pressure gauge.
- 3] Engine throttle control
- 4] Selector valve
- 5] Control valve for the foam proportioner
- 6] Valve for the auxiliary foam connection
- 7] Valve for tank to pump
- 8]Valve for the engine cooling
- 9] Foam tank isolating valve.
- 10] Valve for the hose reel control
- 11] Control valve for the monitor

FROM MAKING BRANCH PIPE

3 Nos from making branch pipe model 10 x made of light aluminum alloy, each capable of producing 3600/4500 ltrs per minute (800/1000 gin per minute) from will be supplied with the appliance.

FROM MONITOR

One from monitor with 20x branch pipe capable of producing 1600/2000 galns. Of foam per minute will be provided on the top of the tack. The monitor can rotate 360 degree in horizontal place and 45 degrees in vertical plane, however guided by dimension of the body. You can operate one monitor and three hand lines, all four hand lines simultaneously. The throw of the monitor will be approximately 26 mtrs to 30 mtrs.

PICK –UP TUBE CONNECTION

A connection for using the auxiliary foam compound pick up tube will be provided to enable the foam compound to be induced in to the pump direct from the foam drums. A pick up tube with strainer will be supplied for this purpose.

BODY WORK AND LOCKERS

Driver cabin is closed or open type with double compartment without partition and provides accommodation for seven men i.e. officer and driver in front two seat and a crew of five firemen in the rear seat. The driver and officer have independent seats. The driver's seat adjustable. Rear compartment has one fixed seat for crew members. All seats have foam cushions and are upholstered with rexine. The construction on cabin is of all steel nature. The cabin is paneled externally with aluminum sheets. Doors are fitted with windows glasses. One roof light is provided in the compartment aluminum grab rails and non-slip steps are provided wherever necessary. Lockers on both sides of the body with lids suitable hinges and closing device are provided for the storage of carious equipments. The construction of the side panel is of all steel nature and the applicable is paneled externally in aluminum sheets. Main equipments lockers are provided with automatic lights.

LADDER GALLOWS:

Gallows to carry aluminum extension ladder are provided on the appliance.

FOOT BOARD:

Foot board at the rear will be provided.

ACCESSORIES:

The following accessories are fitted / provided on the appliances

- | | |
|------------------------------------|--------|
| A] Fire bell 10 inch hand operated | : 2Nos |
| B] Fog lamps | : 2Nos |
| C] Reverse light | : 1No |
| D] Amber blinker light | : 2Nos |
| E] Inspection lamp | : 1No. |

FINISH:

The appliance will be colored in P.O. Red color with service lettering.

SCHEDULE B

Sr. No.	Items	Quantity	Rate	Amount
	Fabrication of foam cum water tank to be mounted and fabricated on New Tata 1613 LPT model turbo chassis Kirloskar Make 2270 LPM 7 kg/ cm Fire Pump TATA make heavy duty full torque Power Take off, Control panel, Cooling system, First aid hose reel 4500 lit water tank and 500 lit stainless steel foam tank double compartment closed type drivers cabin monitor with 20* foam branch pipes 3 nos. 10 x foam making branch pipes for use as handle lines around the pump from proportioned, lockers, gallaws to carry lodder, standard accessories etc as per specification enclosed here with the complite unite will be painted in p.o. red colour with service lettering. i) foam fire fighter body	2 Nos	1242801.00	2485602.00
	ii) Supply of ancillary equipment list along with water cum foam fire fighter as per detail list attach	2 Nos	175575.00	351150.00
Total				2836752.00

APPENDIX A
EQUIPMENTS TO BE SUPPLIED WITH FIRE ENGINE (Each0
(As recommended in I.S. Specifications)

Sr. No.	Description	Qty.	Rate
1	Aluminium Extension ladder, 10.50 Mtr	1 No.	18000/- Each
2	PVC Suction hose 100 mm dia in 2.5 meter lengths fitted with round thread Male and Female coupling of 100mm Size in length of 2.5 mtrs. Each	4No.	3500/-Each
3	Rain forced rubber lined fire fighter Hose pipe 63 mm dia confirming to IS 636/88 type a with ISI mark in 15 mtr fitted with gun metal 63 mm male and female instantaneous coupling as per IS	10 Nos.	5500/- Each
4	Suction metal strainer 100 mm	1 No.	3800/- Each
5	Basket strainer 100 mm	1 No.	750/- Each
6	63 mm Gun Metal driving breaching without control	2 Nos.	2800/- Each
7	63 mm Gun Metal collecting breaching	2 Nos.	1800/- Each
8	Suction wrenches for 100mm suction coupling	1 Pair	500/- Each
9	Long 50 mm circumference 30 mtr long	2 No.	1200/- Each
10	15 mtr Short line	2 No.	600/- Each
11	Hose bandages rubberized	12 No.	200/- Each
12	Hose clamps	6 No.	200/- Each
13	Foam making branch pipe 10 x	4 No.	7500/- Each
14	63 mm fog nozzle	1 No.	2750/- Each
15	63 mm London pattern hand controlled branch pipe	1 No.	2800/- Each
16	63 mm gun metal branch pipe universal	1 No.	2000/- Each
17	63 mm branch with revolving head	1 No.	2000/- Each
18	63 mm gun metal short branch pipe complete with male instantaneous couplings with gun metal detachable nozzle	4 No.	950/- Each
19	A) 12mm, 15mm, 20mm, 32mm, gun metal detachable nozzle B) Gun metal adapter 100 mm suction female coupling 63 mm Male instantaneous C) 63 mm double female adapter D) 63 mm double male adapter	10 No. 2 No. 2 No. 2 No.	300/- Each 900/- Each 1000/-Each 600/- Each
20	Nozzle spanner	2 No.	300/- Each
21	Hand Lamp	2 No	500/- Each
22	Flameproof lamp	2 No.	1850/- Each

23	First aid Box for 10 persons	1 No.	1500/- Each
24	Rubber Gloves	1 No.	225/- Each
25	Asbestos gauntlets	1 No.	Items provided without any extra cost
26	Large Axe	1 No.	
27	Sade	1 No.	
28	Pick axe.	1 No.	
29	Crow bar	1 No.	
30	Sledge Hammer	1 No.	
31	Carpenters saw	1 No.	
32	Hydraulic Jack 7.5 Tons	1 No.	
33	Fire Hook	1No.	
34	Tool kit	1 No.	

Ichalkaranji Textile Development Cluster Ltd., Ichalkaranji

TERMS AND CONDITIONS

- Quoted Price : The quoted price should be inclusive of all taxes & shall remain firm & fixed.
- Duration of Contract : Job is to be completed within 3 months. The chassis is to be taken from office of the Ichalkaranji Municipal Council and vehicle is to be delivered after completion of job at same place.
- Inspection : Test, Trial and inspection shall be carried out at contractors work Shop at work station.
- Passing : Contractor shall be liable to get passing from RTO Kolhapur and got certified from Superintendent of Kolhapur Municipal Corporation at his cost.
- Warranty : Warranty period shall be 12 calendar months from the date of completion. During the warranty period of 12 months any defects occurred is to be rectified with his own cost.
- Security Deposit : Security deposit shall be 2% of work order value including amount of Earnest Money which shall be refunded after warrantee period of 12 Months.

Validity Period

Quoted price shall remain valid upto three months from date of tender.

Penalty

Penalty shall be levied ½ % per week maximum upto 10 % for delay in completion of job on part of Tenderer.

Contractor

Managing Director