

Government of Tripura
Office of the Director, Fire Service,
Tripura, Agartala.

NOTICE INVITING TENDER

NIT NO. 01/TFS/2014-15.

Dated, Agartala 23rd May 2014.

The undersigned, on behalf of the Governor of Tripura, invites sealed tenders, in two-bid system (technical & financial, in separate sealed covers) from bonafied experienced, resourceful and well equipped Indian Manufacturers/Firms/Fabricators having credential for similar nature of work as per Technical Specifications given.

SL NO	DESCRIPTION OF JOB	QUANTITY
01.	Fabrication of Water Bouser on TATA LPT 2518/48 Chassis. DNIT NO. 01/TFS/2014-15.	01(one) No. May be increased.

Details along with bid documents may be purchased /obtained from the office of the undersigned up to 1500 hrs. on 16.06.2014 by paying Rs.500/- (Non-refundable) through Demand Draft in favour of Director, Fire Service, Tripura, Agartala on any Nationalized Bank. Tender documents can also be downloaded from the net. In that case bidder should attach a separate Demand Draft of Rs.500/- (Non-refundable), in technical bid envelop at the time of submission of the tender.

- Last date of submission of tender : 17.06.2014 up to 1100 hrs.
- Date of opening of Technical bid : 1200 hrs. on 17.06.2014 (if possible).
- Estimated Cost : Rs. 15 lacs.
- Earnest Money : Rs. 50,000/- only.
- Time for Completion : 60 days.

The Technical Bid shall be opened first and after technical evaluation financial bid will be opened in respect of technically acceptable/qualified offer only. The venue and time about opening of financial bid will subsequently be made (communicated) to the concerned bidders.

This notice is only to provide most preliminary information to the interested bidders. The department reserves the right to reject/accept any tender, not in conformity with relevant DNIT without assigning any reason.

For more details please visit the website: www.fireservice.tripura.gov.in & www.tenders.gov.in.

On behalf of Governor of Tripura

[N.C.Das, IPS]
Director Fire Service,
Tripura: Agartala.

Copy to:

1. The Addl. Secretary, Home (Fire Service) Department, Govt. of Tripura for his information pleases.
2. The Maintenance Superintendent, Fire Service, for information and to arrange for displaying tender notice as well as bid document through Website: www.fireservice.tripura.gov.in & www.tenders.gov.in.
3. The Accountant, Fire Service Directorate, Agartala.
4. Notice Board.
5. File No. 2-7(FT)/TFS/2014-15.
6. File No. NIT/TFS/2014-15.

Sd/-[N.C.Das, IPS]
Director Fire Service,
Tripura: Agartala.

DNIT

**GOVERNMENT OF TRIPURA
OFFICE OF THE DIRECTOR FIRE SERVICE
TRIPURA:AGARTALA.
(Tele/Fax 0381- 232 4826)**

1	DNIT NO	DNIT NO. 01/TFS/2014-15.
2	Name of Work	Fabrication of Water Bouser on TATA LPT 2518/48 Chassis.
3	Quantity	01 May be increased.
4.	Estimated Cost	Rs. 15 lakhs.
5	Earnest Money	Rs.50,000.
6	Cost of tendered Form	Rs.500/- (Non refundable).
7	Tender selling date	Up to 1500hrs. On 16.06.14.
8	Last date of dropping Of tender.	Up to 1100 hrs. of 17.06.2014.
9	Website	www.fireservice.tripura.gov.in & www.tenders.gov.in
10	Date of opening of Tender (Technical Bid).	1200 hrs. of 17.06.2014. (if possible)
11	Total no. of written pages Including cover page .	28 Nos including cover page.

DRAFT N.I.T. NO. - DNIT/TFS/2014-15(SPA)/01.

*Draft Notice Inviting Tender for an amount of **Rs. 15 lakhs** (Rupees fifteen lakhs) only is hereby*

APPROVED

Sd/-[N.C.Das, IPS]
Director Fire Service,
Tripura: Agartala.

LEGEND

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CHECK LIST TO BE FILLED UP BY THE BIDDER AT THE TIME OF SUBMISSION OF TENDER BID.

SI. NO	Particulars	Comments of bidder	Comments of departmental officers.
1.	All the pages of the sealed tender form signed by the bidder after going through and acknowledged & accepted.		
2.	EMD in proper shape enclosed with the tender.		
3.	The bidder's sheet filled up properly and tender DNIT NO. Written in cover/envelope of tender.		
4.	The name of the person to contact/ the person who signed the tender has been written clearly indicating detailed address, telephone No, Fax No. & Mobile No. and the detailed address of the manufacturer etc. filled up.		
5.	The bidder having valid ISO /CE /EN / BIS License/Manufacturing license/Export license/dealership/Authorization certificate etc as the case may be and notary attested copy enclosed with the tenders.		
6.	Whether the firm is having STCC/PTCC/VAT and enclosed with the tender.		
7.	Rate quoted in words & figure in the specific format with the tender form and details of rate given as per format and indicated percentage of excise duty, Sale tax, transportation etc.		
8.	Whether penalty clause of the DNIT is accepted.		
9.	Whether inspection clause of the DNIT is accepted.		
10.	Whether delivery schedule indicated in the tender is accepted.		
11.	Whether payment term according to the tender is accepted.		
12.	Whether production capacity of the tenderer indicated and the supply experience in the Dept or other dept. indicated.		

Sl. NO	Particulars	Comments of bidder	Comments of departmental officers.
13.	Whether any extraneous terms beyond the tender terms condition given during submission of tender.		
14.	Rate quoted inclusive all taxes & charges and delivery up to the respective destination/store.		
15.	Whether any conditional discount allowed in the rate.		
16.	Whether any unconditional discount allowed in the quoted rate.		
17.	Whether the validity period of tender is accepted.		
18.	Specification sheet gone through and accepted all specifications as indicated in the tender, relevant IS: Code and the other specification required to be filled up by the bidder written clearly.		
19.	Whether Warranty & guaranty clause is accepted.		
20.	Whether Road permit clause has been accepted.		
21.	Whether the bidder exempted to pay excise duty/CST/Tripura VAT/Income tax and if so, whether necessary certificate/ documents enclosed.		
22.	Whether the bidder defaulter in the department or any other department in Tripura and any Court case pending with the department.		
23	Whether rate quoted for any item for which tender form is not issued to the bidder and sealed the tender as per norms.		
	Remarks if any.		

Signature of verifying Officer of Department

BIDDER'S SHEET

Bidders are requested to provide wanted information in this sheet. All the points are not required for all bidders. They should select their relevant points and fill up accordingly. Other points, not related with their tender, may please be marked as Not Applicable.

1. Detailed address of the Bidder along with phone, mobile no, fax number with STD code & email.
2. Detailed address of the Principal firm of the bidder along with phone, mobile no and fax number with STD code (if the bidder is Authorized Dealer of the Manufacturer).
3. Name of contact person (of firm not local agent):-
Mobile, Phone, Fax No. , email address:-
4. Name of person who have signed the tender paper:-
Mobile, Phone, Fax No, email address:-
5. Detailed address of the manufacturing unit of the bidder or their principal firm along with phone , mobile no and fax number with STD codes.
6. Experience of the bidder in supplying/fabricating the specific tendered item along with quantity to any Govt. Department/PSUs/Large private sector project (document should be enclosed along with tender).
7. Please indicate Manufacturing Capacity of the Manufacturing Unit (document should be enclosed along with tender):

Per month:
- 8.. Detailed address (incl. name of contact person, ph no, mobile no, email address) of DGS&D, or any other leading inspection agency under whose jurisdiction the manufacturing unit of the bidder or the principal firm belongs:
9. Is there any pending court case or any other dispute related with the manufacturing unit of the Bidder or their Principal Firm or is the unit sick? If so please give details:
10. Brand name of the product of the bidder for the tendered item:
11. Turnover of the firm during the last financial year:
12. Establish capability of bidder to supply tendered qty if becomes lowest bidder (documents to be submitted):

(Signature of bidder Full name & Seal)

DECLARATION

I do hereby declare that I have personally gone through the relevant Detailed Notice Inviting Tender and understood all the clauses, specifications of tendered items, instruction of the DNIT and having been fully satisfied , I have quoted the rate of item. This is further to certify that I have suppressed no facts in the tender which could debar me to participate into the tender. If it is revealed after opening of the tender that any fact is suppressed by me, tendering authority shall have the right to reject my tender along with other punitive action against me as per terms and conditions of the tender. I do affirm that all the terms and conditions of DNIT are unconditionally accepted by me. I have no objection if any extra terms and conditions , mutually accepted by me and purchaser is incorporated into the agreement.

(Signature of bidder

Full name & Seal)

TENDER DOCUMENTS

(To be signed & stamped and to be returned with the Sealed Tender bid to
"Director Fire Service, Tripura, Agartala-799001".)

SCHEDULE – I. General Terms & Conditions of Tender.

1. Eligibility of Bidder/Suppliers:-

- Only Indian Registered Firm/Fabricator/Authorized Agent / Distributors/Dealers/Contractors of tendered items for which the tender is floated shall be eligible for the participating in current tender.
- Fabricator/Firm/Agent / Distributors shall have their trained manpower, sales & service network in India. To substantiate, Indian Agent / Distributor /Representative shall furnish the authorization letter in original with tender documents.
- The tenderer should produce documentary evidence along with tender documents in support of their eligibility criteria.
- The decision of Director, Tripura Fire Service, Agartala after evaluation the documentary evidences and other claims with regard to the eligibility of tenderer shall be final.

2. Pre Qualification Conditions in respect of Technical and Experience:

Agency relating to the fabrication/supply job shall have to meet the following criterion:

- The Fabricator should be ISO: 9001:2008 certified and should enclose such valid certification along with tender documents.
- Documentary evidence showing that the tenderer is a reputed manufacture or authorized dealer.
- Pump should have been UL/CE approved & valid certificate must be enclosed along with documents.
- The firm shall be manufacturer of High Pressure / Low pressure pump or shall have up-to-date authorization tie up with such like reputed manufactures.
- The Fabricator should have all the testing activities for the pump including "V" notch & flow meter in their factory. An undertaking for this should be attached with the technical bid.
- Bidder should have turnover of Rs.3 crores per annum in the last 2 year & have a financial prove to the strength of the company.
- The firm shall also furnish details of drawing for load distribution / supper structure etc. enclosed with bid.
- As a prime contractor satisfactory completed, fabricated and delivered at least 10 nos. of Water Fire Tender/ Bouser on 25 ton GVW chassis during last 03(three) years. The firm shall enclose PO copies with Inspection Report / Performance Certificates and picture / photographs with technical bid. The firm will mention whether they have fabricated and supplied to defense, PSU, IOCL, ONGC etc. during last 3 years.
- The bidder shall furnish documentary evidence in support of the qualifying requirements stipulated above along with their technical bid; Bid received without such documents shall be summarily rejected.
- The firm should have certificate about Quality Control System (Copy to be attached. The certifying body shall be accredited with the National Accreditation Board for Certification Bodies i.e. **NABCB**).
- If any of the certificate/documents etc. furnished by the tendered is found to be false/fabricated/bogus, the bidder will be liable for being blacklisted with forfeiture of earnest money either in full or partially.

3. Extraneous terms and condition: Bidder should accept all the terms and condition of the tender unconditionally and if they impose any extraneous terms & condition or offer any conditional discount, tendering authority reserves the right to declare the bid informal.

4. EARNEST MONEY: Earnest money deposits of Rs.50,000 /- (Rupees fifty thousand) only. The Earnest Money (Bid Security) of the unsuccessful bidders shall be returned to them after finalization of the tenders. Earnest Money in respect of successful bidders shall also be refunded to them on receipt of Security Money.

A. Pre-Qualification Criteria in respect of Earnest Money Deposit (EMD):

- Units registered with NSIC/MSME are exempted from paying EMD, provided their NSIC /MSME certificate is valid & their NSIC store list includes the item for which they intend to quote on the date of opening of tender.
- PSUs (State or Central) are exempted from payment of EMD.
- Earnest Money Deposit (EMD) can be paid through any of the following mode and to be enclosed in the technical bid document.
- Deposit-At-Call/Demand Draft / Pay Order / Bank Guarantee Bond executed by scheduled / nationalized Bank should be in favour of Director, Tripura Fire Service, payable at Agartala and should be valid for minimum 6(six) months from the date of opening of the tender.
- The firms having valid DGS & D rate contract also submit their offer directly without depositing cost of tender paper / tender documents.

5. PROCEDURE FOR SUBMISSION OF TENDER:

Tenders should be addressed to the undersigned and sent by registered post/speed post/courier service so as to reach the office of the undersigned by **1500 hours on 16th June 2014**. No tender shall be accepted by hand. Two sealed envelopes containing Technical Bid and Financial Bid separately should be inserted in a third envelope which should be sealed and super-scribed on the top as **“TENDER FOR Fabrication of Water Bouser on TATA LPT 2518/48 Chassis due on 17.06.2014**. The Technical Bid and Financial Bid in separate envelopes should be sealed and super-scribed on the top as **“TECHNICAL BID FOR Fabrication of Water Bouser on TATA LPT 2518/48 Chassis due on 17.06.2014& “FINANCIAL BID FOR Fabrication of Water Bouser on TATA LPT 2518/48 Chassis due on 17.06.2014**.

A. The technical bid envelope should contain the following : Bidder must submit photo copies of following documents with due **notary** attestation of current validity. Date of attestation should be not before 90 days from the date of Notice Inviting Tender. The bidder shall have to clearly mention the document attached with an introductory letter on the original letter head of the tendering firm.

- Tender form duly stamped and signed by the tenderer accepting the terms and conditions of the tender.
- All the relevant information asked in the General conditions of Contract and the Specification proposed to be supplied.
- The catalogue/ Product Brochures clearly mentioning the features make / model no, technical literature, drawing etc should be enclosed along with tender. If Brochure is not available then photograph of the tendered product should be submitted.
- Latest Laboratory test report copy of the tendered item should be submitted. (as where applicable).
- List of clients to whom the tenderer has supplied during last 3 years the tendered item mentioning the qty. and date of supply. Copies of supply orders should be attached.
- Earnest Money Deposit in proper shape or order.
- ISO/EN / CE/UL registration certificate is to be produced. (as where applicable).
- Quality Control System registration certificate.
- Manufacturing license/firm registration/dealership certificate (as where applicable).
- VAT registration certificate & VAT clearance certificate of bidder.
- Professional Tax clearance (if is in force in his State, where bidder belongs to).
- Power of attorney in case of partnership firm or for local agent.
- PAN card.

- NSIC certificate (as where applicable).
- Turn over certificate for last 3 years.

If any of the above applicable paper is not enclosed with the technical bid, tendering authority reserves the right to declare the incomplete tender as informal..

B. The Financial bid should consist of:-

- The price bid should include the cost of Pump, PTO , Tools and Fabrication charge along with tax duties and discount offer, if any, quoted by the bidder. These details should be submitted on their letter pad.
- The contract price shall also include Excise Duty, Sales Tax, any other State or Central government taxes, duties including supply, installation, commissioning and inspection as applicable at time of the Supply of goods should be indicated separately in the offer itself.
- The price must be in figures and in words.
- The price quoted must be inclusive of supplying the item in Agartala, Tripura.
- No request of extra payment of transportation charges will entertained after words.

C. SPECIFICATION: Details Technical Specification of the work is given in Annexure –A

6. Opening of tender: Tender will be opened in the office of the tendering authority. The tentative opening date and time is mentioned in the tender form. During the sorting/opening of the tender original bidder or his single representative authorized in writing by the original bidder may remain present. Representative of original bidder must show his/her authorization to tendering authority on claim. No unauthorized person will be allowed to remain present in the office of the tendering authority during sorting/opening of the tender.

7. Action of bidder in tender form: Bidder should go through each any every page of the tender patiently and fill up to quote rate, write specification, provide other wanted information, sign each and every page including blank pages of the original tender form and enclose notary attested copies of the relevant documents. Incomplete tender in respect to tender form or enclosures may attract rejection.

8. Enquiry: If any bidder requires any explanation or clarification of any term and condition of the tender, it must be sought from the tendering authority before dropping the bid. Tender must be dropped in two-bid system – (a) for Technical (b) for financial bid. Two separate sealed envelopes will have to be marked as 'Technical Bid' and 'Financial bid'. Earnest money is to be deposited either in a separate envelope or in the envelope of Technical Bid. All the envelopes are then to be put in another sealed cover for submission. If the bidders do not submit the technical bid and financial bid in separate envelopes, their bid will rejected. The full-fledged and sealed tender may be sent to the tendering authority by post (registered with A/D only). Tender must reach the undersigned within the specified period as mentioned in the NIT. Tender bid sent by registered post and received after the dropping date to the undersigned will not be considered and summarily cancelled/rejected.

9. Rate: Rates showing the breakup of ex-factory basic price, excise duty as per prevailing rate, Central Sales Tax as per prevailing rate, transportation and other charges, local sales tax as per prevailing rate if applicable should be quoted in the **annexure of tender form**. No C-Form/D-Form will be issued by the department. Quoted rate should include all charges viz inspection, insurance of stores during transportation if any, loading and unloading, packing, counting, measuring, weighing during delivery and other charges required for arranging delivery of ordered stores in ear marked go down of department. If before the date of dropping of tender, rate and system of sales tax & excise duty get revised by the central/state Govt. and MODVAT/CENVAT system incorporated, then the bidder must inform the authority mentioning it on the tender form properly and rate should be quoted considering all these factors.

10. Price variation clause: Price variation clause will not be applicable.

11. Departmental authorities to make correspondence with the bidder/supplier:

The tendering authority, the Director, Fire Service, Tripura.

12. Payment: 100% Payment will be made by the consignee after completion of delivery and acceptance of fire tender at Agartala by the Acceptance Committee to be constituted by the competent authority.

- The charges of Bank Draft / Banker Cheque shall be borne by the supplier.
- No interest on the Earnest Money/Security Deposit will be allowed.
- No advance payment shall be allowed.
- No price preference will be entertained.
- The Vendor will not be entitled to claim or make payment against the proof of dispatch or part delivery of any item.
- Payments shall be subject to any deductions (such as TDS etc..) of any amount, for which the Bidder is liable under the agreement against the Tender.

13. Statutory deduction from bill: The income tax, local sales tax, VAT, excise duty & other duties (if applicable & necessary) will be deducted from bill at source as per prevailing rate. Deduction at source will not be made if concerned authority empowers the purchaser not to deduct such taxes specially indicating the work/ supply order.

14. Negotiation, Clarification. After opening of the tender, L₁ bidder / short listed bidders will be asked to appear before a team of officers of the department headed by the Director, Fire Service, Tripura for clarification, **negotiation** of rates (as per CVC guidelines), justification and explanation of their tender /quoted rates. If any quoted rate is unjustified (low or high) than prevailing market rate or bidder fails to justify their quoted rate on the basis of documentary evidences, tendering authority reserves the right to forfeit the deposited EMD (Fully / partly) or blacklisting firm for at least 5 years or both. After opening of tender if the rate of any item(s) found same as quoted by two or more bidders in that case all the eligible lowest bidders will be called for negotiation at a time all together and in the negotiation table separate quotation will be collected from all the 1st lowest bidders in sealed condition subsequently for identification of lowest bidder and processed for finalization of rates. However the purchaser has full power to split the quantity among the initially lowest bidders if necessary subject to the condition that they agreed to supply as per the lowest/approved rate of department.

15. Security cum Performance guarantee: After issuance of work/supply order, the successful bidder i.e. supplier shall have to deposit **10%** value of issued work/supply order as **Security cum Performance guarantee** in favour of the Director, Fire Service, Tripura in the shape of Bank Draft/Fixed Deposit/Bank Guarantee on any nationalized/scheduled bank branch at Agartala within 10 to 15 days (to be fixed up by the purchaser) from the date of issuance of work/supply order for **guarantee/warranty** period . Successful bidder has the liberty to convert the earnest money (full or part as per requirement) to the security money.

16. Release of security money after successful execution: Security money will be released only after warranty and guaranty period if bidder attend warranty and guaranty clause of the tender in to to.

17. Process to be Confidential.

Information relating to the examination, clarification, evaluation and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced by the tender accepting authority. Any effort by a Tenderer to influence the processing of Tenders or award decisions may result in the rejection of his Tender. No Tenderer shall contact the Director or any authority concerned with finalization of tenders on any matter relating to its Tender from the time of the Tender opening to the time the Contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Director Fire Service, it should do so in writing. Before recommending / accepting the tender, the tender recommending / accepting authority shall verify the correctness of certificates submitted to meet the eligibility criteria and specifically experience. The authenticated agreements of previous works executed by the lowest tenderer may be called for.

18. Award Criteria

The Director, Fire Service will award or recommend to the Competent tender accepting authority for award of the contract to the tenderer who is found Technically qualified as per the Tender conditions and whose price bid is lowest.

19. Notification of Award and Signing of Agreement.

The Tenderer whose Tender has been accepted will be notified of the award of the work by the Director, Fire Service, prior to expiration of the Tender validity period by registered letter. This letter (hereinafter and in the Conditions of Contract called "Letter of Acceptance") will indicate the sum that the Tripura Fire Service will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Amount").

When a tender is to be accepted the concerned tenderer shall attend the office of the Director, Fire Service concerned on the date fixed in the Letter of acceptance. Upon intimation being given by the Director, Fire Service, of acceptance of his tender, the tenderers shall make payment of the additional security deposit wherever needed by way of Demand Draft / Deposit at call or Bank guarantee obtained from a Nationalized / Scheduled Bank with required validity period and sign an agreement in the form prescribed by the department for the due fulfillment of the contract. Failure to attend the Director, Fire Service's office on the date fixed, in the written intimation, to enter into the required agreement shall entail forfeiture of the Earnest Money deposited. The written agreement to be entered into between the contractor and the Director, Fire Service, Govt. of Tripura shall be the foundation of the rights and obligations of both the p19.

20. Right to accept or reject the tender:

The tendering/ accepting authority reserves the right to accept or reject any Tender or all tenders and to cancel the Tendering process, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the reasons for such action. The contract shall not be deemed to be complete until the agreement has first been signed by the contractor and then by the proper officer authorized to enter into contract on behalf of the Director, Fire Service, Govt. of Tripura.

The successful tenderer has to sign an agreement within a period of 15 days from the date of receipt of communication of acceptance of his tender. On failure to do so his tender will be cancelled duly forfeiting the E.M.D., paid by him without issuing any further notice and action will be initiated for black listing the tenderer.

SCHEDULE - II
Technical Terms and conditions.

1. In this Tender document and associated documentation, the following terms shall be interpreted as indicated:

“The purchaser” means Director, Fire Service, and Government of Tripura.

“Bidder” means an eligible manufacturer who bids or offers the goods and services against this invitation for Tender.

“The Vendor” means the Bidder with whom the Purchaser has entered into a Rate Contract against this Tender.

“Agency” means an agency which has been selected as per the process stipulated in this Bid document/ Tender document.

“Contract” means the agreement entered into between the Purchaser and a successful Bidder, as recorded in the DRAFT CONTRACT FORM signed by the Director and the successful Bidder, including all the attachments and appendices thereto, and all documents incorporated by reference therein;

“Contract Price” means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations.

“Goods” means all the equipment, machinery, and / or other materials which the Bidder is required to supply to the Purchaser under the Contract;

“Services” means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services applicable, such as installation, commissioning, provision of technical assistance, training, on site comprehensive warranty, annual maintenance and other obligations of the Bidder covered under the Contract.

2. LOCATIONS FOR SUPPLY OF GOODS AND SERVICE

The Fire tenders being fabricated through this tender shall be delivered to the Maintenance Superintendent at Fire Service Central Workshop, Badharghat, Agartala.

3. VALIDITY OF OFFER/TENDER

Tenders shall remain valid for a period of not less than **(180 days)** from the last date for receipt of Tender specified in NIT. During the above mentioned period no plea by the tenderer for any sort of modification of the tender based upon or arising out of any alleged misunderstanding of misconceptions or mistake or for any reason will be entertained. In exceptional circumstances, prior to expiry of the original time limit, the Tender Inviting Officer may request the bidders to extend the period of validity for a specified additional period. Such request to the Tenderers shall be made in writing. A Tenderer may refuse the request without forfeiting his E.M.D. A Tenderer agreeing to the request will not be permitted to modify his Tender, but will be required to extend the validity of his E.M.D. for a period of the extension.

4. TAXES AND DUTIES

The Offer is comprehensive. All applicable and prevailing taxes, duties, levies, surcharges etc. may be indicated with due break up. The rates quoted by the Bidder are including all taxes such as TST, CST, VAT, Excise duty, work contract tax, service tax, duties levies, surcharges, etc. in force prevailing on the date of opening of Tender. No extra payment will be made on any ground whatsoever.

5. COMPENSATION FOR DELAY

Irrespective of number of vehicles, each consignment of the order has to be completed within 120days from the date of supply of chassis. The contractor should intimate about the delivery schedule to the Respective Purchaser, through email, telex/fax, telephone and or any other mode of communication.

In case Vendor fails to meet the above delivery schedule/ period including extended period, if any, compensation for delay in completion of contract agreement will be recovered at the rate of Rs.1000/- per day/ per vehicle, up to a period of first 15 days of delay, if the delay is more than 15 days it shall be Rs.2000/- per day up to 10% of the tender cost.

6. DELIVERY PERIOD: - (60 days):-

Delivery of fabricated vehicles to be completed within 60(sixty) days from the date of supply of chassis. An extension of 15 days will be given if the delay is for reasons beyond control of vender. Proof of this has to be given.

7. QUALITY CONTROL LITERATURE

The equipment/ product must conform to the highest quality and standards specified in Tender Document. Vendor should guarantee that the items delivered to the purchaser are brand new. Manufacturer/ Brand name and model No. etc. of tendered item should be specified in the technical bid & each Vendor shall submit the relevant documentary evidence. Pump/PTO, other machinery & fire fighting equipments must be supplied with their original and complete printed documentation and technical specifications and Test Certificates, if any. For imported items, the Vendor should submit the relevant documents with technical bid. No mention of name of manufacturer /brand of PTO, Fire Pump and other equipments in the tender may lead to the rejection of tender as informal.

All the equipment should be supplied with the relevant Indian or international standards, where ever the Indian standards are not in existence the decision of Director, TFS in this regard will be final.

8. INSPECTION.

The successful tenderer shall have to fabricate water bouser on TATA chassis when sent to his location as per specification and the tenderer (Contractor) shall construct the Fire Tender on these chassis's by supplying tools, plants, labour and materials as required as per specification. The materials to be used by the tenderer (Contractor) in fabricating the aforesaid Fire Tender bodies shall be strictly as per specifications and further inspection and acceptance by the authorized representative of the Director, Tripura Fire Service, Agartala .

The inspection will be carried out at the following Stages. The Director, Tripura Fire Service. Agartala shall depute duly authorized Officer / a team of 2 Officers (herein after called the inspecting Officer) who will carry out inspection of the Fire Tenders in the following 2 (two) stages during the period of fabrication/construction:-

Stage wise Inspection details for Water Bouser

STAGE-1

After completion of understructure:

Verification of material Test Certificates (MTC), components / sub-assemblies identification, before fabrication.

Check dimensions of understructure on chassis, fabricated components as per specifications & approved drawings.

Verification of all manufacturers/ fabricators document including documents of imported items.

Check construction details of Water Tank and carry out hydro test at 0.3 Kg/Cm². check sheet thickness bottom, sides and baffles 4 mm & 3 mm respectively. Check chemical composition of metal for SS 316. Check capacity of both the tanks. Check all piping / fittings. Internals, bolts & nuts of the tanks for material. Leakage test for both the tanks for 24 hours. Check all piping hydraulic test pressure of 18 Kg/ Cm² for a minimum 30 minutes.

Check location / placement of control panel, Instruments, controls, other equipment & accessories etc.

Test power take off (PTO) unit

Verify monitor position and its movements.

Carry out hydrostatic test of pump (centrifugal) as per specification.

STAGE-2

After completion of fitment & painting.

Check stability of the unit after mounting all equipment and accessories. It should be free from undue rattling and vibration.

Each appliance shall be clearly and permanently marked.

Check proper functioning of all types of signal lights, alarms, Bell etc.

Check quality of workmanship.

Painting of exterior / Interior of WaterTender, Fire Service Insignia conforming to IS.

Check calibration of instruments, gauges, tools, accessories etc.

Check operation of various levers, locks, caps, fitment of tanks, linkages, Markings and plumbing work.

Check storage space for adequacy.

PERFORMANCE:

The following performance test shall be carried out at vendor's site.

(i) Pump Test: The Pump shall be run for a period of four hours non-stop delivering the rated output with a lift of 3m. During the test all parameter like cooling system, temperature of the engine, oil, PTO sump oil temperature shall match as per manufacturer's recommendation.

(ii) The pump casing and impeller shall be subjected to a hydraulic pressure 1.5 times of maximum operating pressure to detect leakage performance etc.

The tank shall be hydrostatically tested for leakages with 0.3 Kg/sq.cm

Priming Test: The primer shall be capable of lifting water at least 7m in less than 24 second.

Hose Reel: Performance shall be tested as per Tender Specification.

ROAD TEST:

After full laden of fire Tender.

(i) Max. Speed attained.

(ii) Any rattling or abnormal sound.

Stability test under fully equipped & loaded condition.

Foot Brake – 15m at 48 Km/hr

Hand Brake- Fully laden on 1 in 4 gradients in neutral gear.

Use of materials if any not approved by the appropriate authority shall be the risk of the tenderer (Contractor) if detected subsequently and replacement asked for shall have to be certified before the next stage inspection at the cost of the tenderer (contractor). Departure / Deviation from the specification, if any, reported in the joint stage inspection report shall be remove / rectified by the tenderer (contractor) at his / their own cost without any objection.

The tenderer (contractor) shall notify the date of completion of each of the above stages will in time in order to undertake stage inspection by the inspecting officers. The inspection shall be carried out within 10(ten) days of receipt of intimation in this regard jointly by the inspecting officer and the tenderer (Contractor) and result of inspection shall be reported under joint signature.

- In case if work orders are received by the vendor in bulk quantity, vendor shall prepare the batch inspection schedule to avoid time and efforts of inspection team.
- Vendor shall submit the probable schedule of stage wise inspection. The intimation shall be made at least within 15(fifteen) days the equipments/ materials becomes ready for inspection. The equipments/ materials will be delivered only after final stage inspection is completed.
- Testing of equipment's/materials during stage inspection as specified above shall be conducted at the risk and cost of the bidder. The bidder shall and also bear the to & fro traveling and lodging charges of the Inspecting Officer / team of two member of Tripura Fire Service.

09. INSURANCE TO & FRO

(A) Cost of Transit Insurance of the vehicle should be borne by the Vendor to the satisfaction of the Purchaser. The Vendor should insure the chassis and Fire Tender and shall also obtain full Comprehensive insurance to cover the fire & general Risk, while it is transported from the authorized dealer of the chassis manufacturer or as specified by the Director, Tripura Fire Services. The vehicle should be insured by the Vendor even at the time of fabrication of tender at the factory premises. The Comprehensive insurance shall be initially for the period of 5 months and shall be extended from time to time. All the insurance policies shall being the name of Director, Tripura Fire Services, Insurance claims, if any should be settled by the Vendor. It is the responsibility of the Vendor to insure the complete fire engine & equipments till the delivery on site as specified by the Purchase.

(B) In case of any damage to chassis or fire engine while in transit from to and fro to respective destination due to accident, theft, riots, strikes or any reasons thereof, it shall be the vendors responsibility to process the insurance claims at his own cost to compensate the purchaser 100% of damage and there shall be no hardship to Government purchaser.

10. WORKMANSHIP AND MATERIAL

Workmanship executed shall be of high order. All rivets and bolts- holes shall be drilled (not punched) and fitted with well fitting. All steel joints shall have a coat of approved paint on both surfaces before riveting or bolting or welding. All steel screws, bolts, nuts, rivets, etc. shall be zinc coated or rust proofed by recognized process. All directions and instructions (oral or in writing) on all points relative to the mode or manner or carrying out the works or as to the nature and quality of materials used or workmanship executed whenever given by the Director, Tripura Fire Services shall be received and complied with by the successful Bidder.

11. DELIVERY AND DELIVERY DOCUMENTS:

After completion of work, free delivery of the vehicle should be given at the F.S. Central Work-shop, Agartala, Tripura or as per the instruction of Purchaser without any extra cost for transportation. Delivery period should be as specified in the tender. The delivery period excludes the transportation of chassis from authorized dealers of the chassis manufactures to the works of successful Bidder and delivery for destination specified by the Purchaser. The successful vendor should intimate the respective Purchaser through email, telex/fax, telephone and or any other mode of communication, the details of the vehicles which will be delivered at the respective fire stations. These details must include:

RTO registration Number.

Engine Number

Chassis Number

Pump details along with all documents & operational manual.

Transit Insurance policy number.

Any other invoice particular to the vehicle to be delivered.

12. ACCEPTANCE TEST

The vendor, at the destination site at Agartala, Tripura, in the presence of authorized persons from the Purchaser or Director, TFS or its nominated officers, will conduct final acceptance test of the vehicles delivered. The tests will involve trouble free operation of the vehicles under circumstance as envisaged by the Purchaser. There should not be any additional charges payable by the purchaser for carrying out this acceptance test.

13. BREACH OF CONTRACT

If any of the terms and conditions of this Tender Document or the Contract are violated or if the vehicles supplied by the Vendor do not meet specified standards or fail the acceptance test, the event shall amount to the breach of contract. In such an event, the Vendor shall be given a time of 30 days, then the Purchaser may at its discretion terminate this Contract without assigning any reason thereof. In the event that the Purchaser terminates this contract, without prejudice to any other remedy available to the Purchaser under this contract or under any law, the purchaser shall be entitled to invoke the Security Deposited and forfeit the amount as well as proceed for any other appropriate action. The Vendor shall indemnify the purchaser of all the losses directly or indirectly occurring to the purchaser from such breach. In case if the defect related to the equipment is cured by the Vendor during the period, commission and satisfactory functioning of equipment for a minimum period of 90 days. The warranty period will commence only on acceptance (based on acceptance test) of equipment by the respective purchaser.

14. OPERATIONAL & MAINTENANCE TRAINING

The Vendor shall, at its own cost, train users for 3 days (full-time) for operational and maintenance of all the equipment supplies and installed by it. The training will be as per the satisfaction of the client/ end user.

15. AFTER SALES SERVICE:

The successful bidder shall have the facility to give after sales service in the state of Tripura and shall be responsible to give **free service** for the guarantee/warranty period of **2 years**. This includes spares, labour material for fire engine body, pump, PTO, etc. but excludes Chassis.

16. CATALOGUE & SPARES SUPPLY:-

The firm shall ensure supply of spares for at least **10 years** life span. The firm should indicate the list of spares (Components) required for five years trouble free operation and quote separate rate including all taxes & transportation charges.

17. TERMINATION FOR DEFAULT:

The purchaser may, without prejudice to any other remedy for breach of contract, by one week written notice of default sent to the Vendor, terminate the contract in whole or in part: If the vendor fails to deliver any or all of the goods with the period(s) specified in the contract, or within any extension thereof granted by the purchaser. If there occurs serious discrepancy in supply of goods or its certification is noticed during the Contract period. If there is a breach committed or such breach is not cured by the Vendor of any of the terms and conditions of the Tender.

If the Vendor goes in to liquidation voluntarily or otherwise.

If the Vendor fails to perform any other obligations(s) under the Contract.

If the Vendor, in the judgment of the purchaser has engaged in a corrupt practice, a fraudulent practice, a restrictive practice an undesirable practice and / or a coercive practice in competing for or in executing the contract.

18. TERMINATION OF INSOLVENCY:

The purchaser may at any time terminate the contract by giving written notice to the vendor, if the vendor becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the vendor, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

19. FORCE MAJEURE:

“Force Majeure” means an exceptional event or circumstance:

Which is beyond a vendor’s control?

Which such vendors could not reasonably have provided against before.

Which, having arisen, such vendor could not reasonably have avoided or overcome, and

Which is not substantially attributable to the other vendor?

The Vendor shall at all times use all reasonable endeavors to minimize any delay in the performance of the Contract as a result of Force Majeure. It shall be the duty of the Vendor to give a written notice to the Purchaser as soon as it ceases to be affected by the Force Majeure. The vendor shall not be liable for forfeiture of its performance security, penalty or termination for default, if and to the extent that, it’s delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

20. ORDER OF CANCELLATION:

The Purchaser reserves the right to cancel the order in the event of one or more of the following circumstances: Serious discrepancy noticed during the pre-dispatch inspection, if any. Delay in delivery and installation beyond a period mentioned in the Purchase Order. Breach by the Vendor of any of the terms and conditions of the tender. If the Vendor goes into liquidation voluntarily or otherwise.

In addition to the cancellation of Purchase Order, the Purchaser reserves the right to forfeit the Security Deposit cum Performance Guarantee submitted to the Purchaser (by the Demand Draft as well as in the form of Bank guarantee) by the Vendor.

21. WARRANTY /GURRANTEE (EXCLUDING CHASSIS):-

The complete structure & equipments provided and erected on the fire water tender under this Contract shall be subject to an overall performance warrantee for a period of 24 months from the date of delivery of fire tenders to the destination as prescribed. On satisfactory expiry of the guarantee period the security deposit paid by the Bidder shall be released.

The Vendor shall be responsible for the maintenance of the Fire Engines except for the chassis, for any defects or damages to Fire Engines due to bad workmanship or of any inferior material, accessories, apparatuses etc. The opinion of Director, Tripura Fire Services for the quality of workmanship and proper finish etc. shall be final.

To avoid hampering of the services the Vendors shall be responsible to attend any call for manufacturing or defect in the Fire Engine within 72 hours however; repairing of defect should be carried out on Top Priority i.e. within 8 days failing which the Security Deposit shall be forfeited. Chassis warrantee will be as per the manufactures terms & conditions.

The warranty should cover the following:-

- a) The equipment/product should be repaired within 07 days.
- b) The Vendor is expected to promptly attend the equipment as above. In order to provide an efficient service the Vendor must obtain the name, address, phone number & other contract details of the person in possession of the equipment. He will be required to keep this list up-to date at all times.
- c) The Vendor will obtain written acknowledgment from the above person each time after the equipment is serviced. Such receipts will have to be produced to get the sign off for successful completion of the warranty period.

22. REPEATED FAILURE

During the warranty period, if any equipment has any failure on two or more occasions it shall be replaced with new equipment by the Vendor at no cost to the purchaser.

23. PENALTY FOR DOWNTIME

Any equipment that is reported to be down should be either fully repaired or replaced by the Vendor with temporary substitute within 72 hours (inclusive of Public Holidays). The reporting will be through a telephonic message or any other mode as the Purchaser may decide. In case Vendor fails to meet the above standards of maintenance, there will be a penalty of Rs.1000 per day. These penalty charges will be deducted from the performance guarantee.

24. PROTECTION AGAINST RISK OF OBSOLESCENCE

Vendor will make available the spare parts for the systems for a minimum period of ten years from the date of the delivering of items prescribed under the Rate Contract.

25. PUBLICITY

Any publicity by the vendor in which the name of the purchaser is to be used should be done only with the explicit written permission of the purchaser.

26. RESTRICTIONS OF THE RATE CONTRACT:

The vendor warrants that the price at which he has agreed to provide its goods and services to the purchaser under the contract is the lowest price and this lowest price quoted by the vendor shall become the rate contract price. The vendor warrants that he shall not quote a price below the rate contract, for goods and services of similar specification, to procure any other Government Tender. The vendor also warrants that he shall abide by the guidelines for Rate Contract. If the vendor violates the terms of this clause of the rate contract, he shall be barred from participating in any future bidding process of any government and the purchaser if it thinks fit shall proceed to terminate the such default contractor without any compensation to the vendor. The purchaser shall also forfeit the security deposit.

The decision of the Director, Tripura Fire Service in this matter shall be final.

27. RESOLUTION OF DISPUTES:

The purchaser and the vendor shall make every effort to resolve dispute amicably if any, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the contract. If after thirty days from the commencement of such informal negotiations, the purchaser and the vendor are unable to resolve the dispute amicably, either party (not being TFS) may require that the dispute be referred for resolution to the Director, TFS, Government of Tripura. In case a party to the dispute is Tripura Fire Service, if the dispute is not settled amicably within thirty days, the same shall be referred to the Secretary Law, Government of Tripura whose decision will be final and binding on both the parties.

All questions, disputes of differences arising under and out of or in connection with the contract, shall be referred to the Director, Tripura Fire Service Government of Tripura. In the case of dissatisfaction or non acceptance by any of the parties of the decision given by the Director, TFS, Government of Tripura the matter shall be referred to the Secretary Law, Government of Tripura whose decision will be final and binding on both the parties.

28. LEGAL JURISDICTION:

This contract and the Tender shall be governed by the laws of India and all the disputes arising out of or related to this Tender or the Contract shall be subjected to the jurisdiction of the appropriate courts at Agartala only.

(Signature of bidder
Full name & Seal)

Sd/- [**N.C.DAS**,IPS]
Director, Fire Service
. Tripura: Agartala.

(SPECIMEN SHEET)

FINANCIAL BID

RATE QUOTING SHEET

Name of work/ item:-

DNIT No.:

Bibber Name:

Sl No	Name of Item	Qty	Ex-factory basic rate of finished product.	Excise duty in percentage & figure on 4.	C.S.T. in percentage & figure on (4+5)	Transportation cost upto destination & other charges.	VAT/ TVAT in percentage & figure on (4+5+6+7) (if applicable)	Total unit rate (4+5+6+7+8) in Rs. (in figure & words).	Total Amount (3 x 10)
1	2	3	4	5	6	7	8	9	10
1	Cost of Chassis.								
2	Fabrication charges.								

If MODVAT system applicable then ED/CST/TST/VAT must be considered according to the new system/guideline.

No C-Form/D-Form will be issued by the department.

Price variation clause is not applicable.

The price must be in figures and in words.

The price quoted must be inclusive of delivering the item at Agartala, Tripura. No request of extra payment of transportation charges will entertained after words.

(Signature of bidder
Full name & Seal)

ANNEXURE - A.

SPECIFICATION FOR FABRICATION OF WATER BOUSER ON TATA LPT 2518 CHASSIS.

1.0 GENERAL:

The appliance shall carry a water tank having a capacity of **12000** ltrs. of water, fitted with a pump at the rear of the appliance driven through PTO. The fabrication shall be done so as to meet all the provisions of these specifications.

2.0 CHASSIS:

The fabrication of Water Bouser shall be done on **TATA chassis, Model LPT 2518/48** full forward control Cowl Truck Chassis. The chassis will be directly purchased by Tripura Fire Services and sent to the successful bidder for fabrication.

3.0 MATERIAL SELECTION AND TREATMENT:

3.1 The choice of materials to be used in fabrication of the appliance shall be made with a view to combine lightness, strength and durability.

3.2 The timber shall not be used for body construction.

3.3 All parts which form water ways shall be of corrosion resistant material. All metal pipelines shall be dipped galvanized after completing fabrication of pipe line including flanges/ joints. All metal parts exposed to atmosphere shall either be corrosion resistant material or so treated as to offer resistance to corrosion. All pipe used in fabrication shall at least be of medium duty and duly ISI marked.

4.0 TANK:

4.1 Single water tank mounted on chassis shall be capable of carrying **12000** ltrs. Of water. It shall be of welded construction and fabricated out of mild steel sheet bearing ISI markings. Thickness of sheet at the bottom shall be 5.0 mm and for the sides and baffle it shall not be less than 3.0 mm. The tank shall be suitably baffled in both directions to prevent surge. The baffle shall be bolted panel type and bolting shall be done with stainless bolts and nuts. The tank shall be mounted in a manner to keep the center of gravity as low as possible and make the contents to flow towards the pump.

4.2 Suitable lifting eye will be provided on the top of the tank to enable the tank to be lifted off the vehicle for repairs etc.

4.3 The tank shall be fitted with three man holes of 450 mm dia, on the top of the tank. The cover of the man hole shall be hinged type. The drain pipe shall not be less than 50 mm dia. through out and shall be taken down to point well below the chassis without reducing effective ground clearance. When fully loaded it shall discharge away from the wheel.

4.4 One over flow pipe not less than 100 mm dia shall be fitted to the tank and taken down to the point well below the chassis without reducing the effective ground clearance when fully loaded. The pipe shall be so arranged that the water will overflow while refilling the tank and no water shall overflow when appliance is in motion.

4.5 One filling pipe (Hydrant Connection) of not less than 63 mm dia male instantaneous coupling. This connection shall be fitted to the tank so as to discharge in to the tank from top side. This connection shall be fitted with gate valve to prevent water leaking through the filling pipe.

4.6 The tank shall be provided with two cleaning holes, at the bottom, of not less than 250 mm dia and shall be fitted with bolted cover.

4.7 The plumbing between the tank and the pump shall have clear and unobstructed water way of not less than 100 mm diameter.

4.8 Suitable arrangement shall be provided for self filling the water tank directly from the pump using 50 mm pipe and gate valve.

4.9 The water tank with all its fitments shall withstand a hydraulic pressure of 0.3 kgf/cm².

4.10 All plumbing shall be reasonable accessible for maintenance purpose. Screw bends, sharp flange joints shall be avoided as far as possible.

4.11 The tank shall be sand blast before giving an epoxy treatment. The epoxy treatment shall consist of two coats of primer with two coats of epoxy finish.

4.12 Suitable arrangement using channel / turf shall be provided on the top water tank (all along the length) for channelizing the spilled water to the rear of the tank and thereafter to the ground using suitable pipes.

5.0 PUMP

The pump shall be single stage centrifugal pump capable of giving discharge 3200 LPM @ 8.5 kg/cm² and 300 LPM @ 35 kg/cm². Pump should be "UL/CE" or equivalent certified. Made out of Gun metal. The pump should be having one suction inlet of 100 mm having round threads conforming to IS 902-1974 and four nos. of 63 mm delivery outlets having screw down type valves fitted with instantaneous couplings as per IS 903/1993.

5.1. DEEP LIFT.

The primer shall be capable of priming from a depth from 7.0 m (after considering the allowances as per IS 950-1980) within 24 seconds.

5.2 PRIMER

The pump primer will be reciprocating automatic type.

6. HOSE REEL: Two nos. HP-LP hose reel with hose pipe 19 mm of 60 mtr. Along with two nos. high pressure gun will be provided.

7. MONITOR: Monitor shall be constructed from lightweight cast aluminum with a fully vane 3.5" waterway producing a friction loss factor of less than 27 psi; monitor shall have a flow rating of 2000gpm with a throw of at least 30m. The monitor shall be configured with a 4" 150# ANSI flange inlet and a 3.5" NHT male outlet; Nozzle shall be constructed of durable, hard anodized, lightweight shall have heat treated, stainless steel spring mechanism, outside unobstructed waterway which reacts automatically to water flow and delivers that flow efficiently throughout the specified flow range; shall have large control handles to easily change pattern; shall be constant flow with infinite pattern selection from straight stream to full fog; shall have highly visible, protective urethane bumper; shall have a flow range of 500 to 2000gpm.

8. POWER TAKES OFF:

The P.T.O shall be Heavy duty type of suitable ratio capable of transmitting the full torque of the engine in first gear. The lever for engaging the P.T.O. shall be provided in the Driver's cabin with proper locking arrangement. The PTO shall be mounted on heavy duty cross members and support brackets between the longitudinal members of the chassis frame. Means shall be provided to check the oil level in the PTO and suitable drain plug shall be provided at the bottom. A cooling coil made of copper tubes shall be provided inside the PTO at the bottom to prevent the oil of the PTO from heating.

PTO shall have following features:-

Make	- VAS / FIRE HAWK.
Speed ratio (Standard)	- Not less than 1.31/1.48.
Control Lever	- Flexible Rope type cable with lever should be provided for mechanical operation which also acts as an indicator for Gear Mode (PTO/DRIVE) - when operated pneumatically.
Oil Lever	- Indicator.
Cooling circuit	- Through pump side.

The driver assembly components (shaft, coupling etc) should be dynamically balanced. Necessary support for PTO units, propeller, shaft, couplings, universal joints etc, for power input to and out put from PTO Unit should be provided.

9. BODY WORK/STOWAGE/CABIN:

9.1 Enclosed accommodation in single compartment for six people with driver and Officer in the front and a crew at the rear shall be provided. The driver seat shall be of adjustable type. The design of the cab shall be such that it affords max. possible vision. Two-hinged door shall be provided on both side of the appliance for easy access to driver and crew. All doors shall open outward and hung forward. The locking arrangement shall be with double catch striking plate. Non-slip step and grab rails coated with plastic shall be provided to assist the driver and crew to get in and out. All the seats shall be fitted with 100mm thick foam cushion. All windows shall have safety glasses and all glasses be fitted with winding type regulator. Two number sun visors shall be provided one on each side. The construction of cab shall be such that the roof shall support the weight of two men without damage.

9.2 The cab and lockers should be composite construction with sufficient rigidity reinforcement and to be kept as light as possible. The entire structure shall be made of 32 × 32 × 1.6 mm square tube of M.S. Aluminum sheet (16 gauge) shall be used for exterior paneling work all over. For inner wall of the lockers, 16-gauge mild steel sheet shall be used. Aluminum checker plate (2.5 mm thick) shall be used for locker & cab floor. Inspection/maintenance hatch of removable type shall be provided in the cabin for gaining access to gear box/P.T.O.

9.3 There shall be two lockers, one on either side of the chassis at the rear of appliance for stowage, in addition to a through & through locker just behind the crew cab. The lockers shall be composite construction. The doors of the lockers shall have efficient means for holding them closed by flush fitting spring-loaded locks and hinged at sides. Inner walls of the locker shall be of 16-gauge M.S and 2.5 mm thick aluminum checker plate for flooring. All lockers shall be weather proof & self-draining type. All lockers shall be provided with internal automatic lighting arrangement with the master switch in the cab. The pump and other fitments shall be covered by hinged door with suitable locking device at the rear.

10. ACCESSORIES/ Equipments:

- i) Fog lamp fitted in front of appliance - 02 Nos.
- ii) Reversing lights fitted at the rear of appliance - 01No.
- iii) Two revolving lights of amber color shall be fixed on the roof of the cab (one on either side).
- iv) A two-tone siren with necessary amplifier and operating control shall be fitted in front of officer's seat. The revolving light and electronic two tone siren shall be of "Grand Make" Model GM 103 TF and GES-40FTF.
- v) A fire bell of 250 m dia., natural tone carillon shall be mounted externally and capable of being operate from the driver's compartment shall be provided.
- vi) Two sets of Self Contained Breathing Apparatus (Complete Set) with spare cylinder (one each) 45 minutes duration; The sets should be EN137 Type 2 -2005 approved.

vii) 45 feet long trussed type Aluminum ladder -01 No.

vii) Hand controlled Select Flow Nozzles: Nozzle shall be constructed of durable, hard anodized, lightweight; shall have heat-tempered, stainless steel spring mechanism shall have an outside unobstructed waterway, which reacts automatically to water flow and delivers that water flow efficiently throughout the flow range; shall have infinite pattern selection from straight stream to full fog; shall be capable of flushing without shutting down; shall have replaceable spinning teeth; shall have highly visible, protective, urethane bumper which should Glow in dark; shall have ball with adjustable neoprene seat; shall have rugged aluminum bronze shut-off handle with double stops and natural aluminum Pistol grip; and shall have a flow range automatically adjust from 60 to 200 GPM to maximize performance with NFPA 1964. . Quantity- 04 Nos.

11. CONTROL PANEL:

The following controls shall be provided at the rear pump operating panel.

a) Pressure gauge : 0 to 17 kgf/cm² (glycerin filled)

b) Compound gauge calibrated as

i) Pressure 0 to 17 kgf /cm² (in black) ii) Vacuum 0 to 75 cm Hg (in red)

c) Engine throttles control. d) Priming control lever. e) Pump hour meter in cabin.

f) A flasher light and audio cum visual warning arrangement (90 db output) at driver's cabin and pump panel at rear for engine temperature exceeding 90°C.

12. VALVE:

All valves used in the water lines shall be G.M. gate valve with relevant I.S. marking.

13. WORKMAN SHIP AND FINISH:

13.1 All part of the appliance shall be of good workman ship and shall have streamline finish. All mechanical and other part shall be such that parts normally required to be replaced can be supplied and fit correctly.

13.2 The appliance will be painted ' fire red'(by cobra/ duco point paint) two coats conforming to shade 536 of IS: 5-1978 and paint conforming to IS 2932. Necessary anti corrosion and primer coat shall be applied before painting in order to achieve gloss finish. The under chassis shall be painted black. The inside of locker shall be painted cream.

13.3 LADDER GALLOW: Ladder gallows shall be provided for carrying 10.5 mtrs extension aluminum ladder. The design shall be such that the ladder can be released without difficulty from reasonable access position and shall embody rollers to permit easy withdrawal by one man. Means shall also be provided for locking the ladders when stored.

14. INSTRUCTION BOOK:

Three set of following documents shall be supplied along with the vehicle

a) User's hand book with illustrations both for operating and normal maintenance procedure of appliance.

b) Work shop repair manual.

c) Illustrated part identification list.

15. MANUFACTURE GUARANTEE CERTIFICATE:

15.1 The manufacturer shall furnish a guarantee for the material. Workmanship and performance of the appliance.

15.2 The manufacturer shall be responsible for replacing any part which may become unserviceable during the above period due to substandard material/bad workmanship, free of all charges.

Signature of Bidder

S d/-[N.C.Das, IPS]
Director Fire Service,
Tripura: Agartala.