

OFFICE OF THE SUPERINTENDENT OF POLICE ( FIRE & EMERGENCY SERVICE)  
MEGHALAYA <><><><><> SHILLONG.

[ NOTICE INVITING TENDER ]

Sealed Tenders are invited for entering into rate contract for supply of High Pressure Pump (Mist Technology) during the financial year 2012-13. Sealed Tenders will be received upto **1200 Hrs. on 12-September-2012** in the office of the undersigned and will be opened on the same day at **1215 Hrs.** by a Tender Opening Committee. Tenderers or their authorized representatives are invited at the time of opening the Tenders. Tenders received after 1200 Hrs. on 12-09-2012 by hand or by post will be summarily rejected.

✪ TERMS & CONDITIONS:-

➤ *Tenders must be accompanied by the following: -*

1. Affix non-refundable Court Fee Stamp of ₹ 1000/- (Rupees one thousand) only.
2. Earnest Money for ₹ 84,000/- (Rupees Eighty Four Thousand) only in any of the following form: -
  - (i) Deposit at Call.
  - (ii) Fixed Deposit.
  - (iii) NSC/KVP.Pledged in favour of the Superintendent of Police,(F&ES) Meghalaya, Shillong from any Nationalised bank at Shillong.
  - For Tenderers belonging to scheduled tribes/castes only 50% (fifty percent) of the earnest Money mentioned above may be deposited. Earnest Money and papers available in the office in connection with any earlier Tenders/Supplies will not be considered as valid Earnest Money for this Tender.
3. Attested copy of V.A.T. Clearance Certificate & V.A.T. Registration Certificate with Firefighting Equipments as one of the registered listed item.
4. Financial stability certificate from a Scheduled Bank certifying that the Tenderer is financially sound to undertake the contract.
5. Attested copy Scheduled tribes/castes certificate in case of ST/SC tenderers.
6. Attested copy of valid Trading Licence in terms of the United Khasi & Jaintia Hills and Garo Hills (Trading by Non-Tribal) Regulation, 1954 for tenderers as amended from time to time who are required to obtain such a licence.
7. Authenticated copy of authorised Dealership Certificate from the Manufacturer/Principal/Distributor who has authorised dealers specifically certifying that the tenderer is authorized to deal with fire fighting equipments quoted in the tender notice. Separate Dealership Certificate will be required to be furnished by the tenderer if asked for in the list of items.
8. Authenticated copy of Rate Contract with D.G.S.&D. if the Tenderer or his/her Manufacturer/Principal/Distributor have existing and valid Rate Contract with D.G.S.&D. Preference will be given to D.G.S.&D Rate Contract.
9. Attested copy recent Passport size photograph of the Tenderers should be attached to the tender.
10. An undertaking should be submitted by the tenderer before opening of the sealed tender stating that he/she is satisfied with the terms & condition of the N.I.T. and agree to abide by the same. In case of failure to submit the undertaking, the sealed tender of the particular firm will not be opened and will be returned back accordingly.
11. Rates should be Quoted separately for each item and in words and rates should be for 1 (one) item 1 (one) rate. Same items with optional rates and optional quality will not be entertained and out rightly rejected.
12. Rates should be Quoted F. O. R. destination, Shillong. Door delivery at Provincial Stores (Fire & Emergency Service), Nongthymmai, Shillong.
13. Rates should be Inclusive of all charges like customs duty, packing, insurance and other incidental charges. Only Value Added Tax should be shown and calculated separately for each item.
14. Rates should be Written clearly in figures and in words. Any correction or overwriting in the tender papers/documents will be rejected.
15. Catalog / Literature of the pump must be submitted alongwith the tender.
16. Warranty period of the equipments should be indicated alongwith after Sales Service facilities.
17. Copy of all the above documents should be duly attested by a G.O.

❖ GENERAL INSTRUCTIONS:

1. No enhancement of rate will be allowed once it is agreed to supply the items at the rates accepted by the Department. Failure to supply the items at the accepted rate will entail the offer being cancelled and the Security Money forfeited to the Govt. of Meghalaya.
2. Sample will be required to be submitted if asked for in the list of items. A list indicating name of the samples submitted by the tenderer should also be enclosed.
3. Tenders should be addressed to the undersigned by designation and not by name. The words "Tender for supply of fire fighting equipments" must be super-scribed on the sealed envelope containing the Tender and the firm's seal should be stamped on the body of envelop. The Tender should be sent by registered post or delivered by hand.
4. The tenderer or their representatives/agents must be present during the tender opening alongwith their firm's seal and authority letter in case of representatives/agents. Whatever objection is to be raised should be done during the Tender Opening Proceeding. Raising objection after the completion of tender opening proceeding will be treated as null & void and the undersigned is not bound to entertain such objections.
5. If at the time of opening of tender, should there be any objection raised by the majority of the tenderer/representatives present as to validity of the tender, the objection will be duly examined by the Tender Opening Committee whose decision on such objection will be final and binding and tenderer will have no right to raise objection on the decision of the Tender Opening Committee.
6. Tenders without furnishing all the required papers/documents will automatically stand rejected.
7. Successful tenderer/tenderers will: -
  - i) be intimated by a letter of acceptance, till then, no tenderer has any right to assume that his/her tender has been accepted. There shall be no claim whatsoever for compensation for any expenditure incurred by any tenderers in anticipation of acceptance letter.
  - ii) have to submit Proforma Bill as and when called for and should comply with the requisition at any cost. Failing to comply with any of the demand/requisition made by the undersigned will invite forfeiture of Earnest Money.
  - (ii) be required to furnish a security deposit at the rates mentioned below and execute a contract agreement to ensure fulfillment of the terms and conditions of the N.I.T. and contract agreement, which the successful tenderer (s) will have to enter into. Security Deposit will be subjected to forfeiture in case of non-fulfillment of any or all terms and conditions of the Contract Agreement. The earnest money of the successful tenderer (s) will not be released till they furnish the full security deposit. Earnest Money of the successful tenderer (s) will be forfeited to the Government in case of failure to furnish the security deposit in full.
8. Rate of security Deposit: -

For contract upto Rs. 10.000/- 2% from locals and 3% from non-locals.  
For contract upto Rs. 50.000/- 3% from locals and 4% from non-locals.  
For contract over Rs. 50.000/- 10% of the total amount.  
Schedule Caste/Tribes may deposit only 50% of the Security Deposit mentioned above.
9. The undersigned may rescind forthwith the contract in writing if,
  - a) A Tenderer assigns or sublets any contract in respect of the contract or any other contract entered into with the Govt.
  - b) Tenderer or his agent/servant are found guilty of fraud in respect of this contract or any other contract.
  - c) Declines, neglects or delays to comply with the demand/requisition or in any other way fails to perform or observe any or all the conditions of the contract agreement.

In case of such rescission, the security deposit in full shall stand forfeited and absolutely be at the disposal of the Govt. without prejudice to any other remedy or action that the Govt. shall be entitle to take to recover from the successful tenderer (s) any extra expenses Govt. may deem necessary in obtaining the supplies from elsewhere .
10. In the event of the successful tenderer (s) failing to perform his/her part of any or all the conditions of the Contract to the satisfaction of the department or disregarding any terms and conditions of this tender notice or the Contract agreement, the successful tenderer (s) will be liable to any or all of the following actions at the discretion of the Superintendent of Police, (F&ES), Meghalaya, Shillong.
  - (i) Forfeiture of the security deposit in whole or part.
  - (ii) Making good the loss caused to the Government through the liabilities, neglect or delay in complying with the demand.
  - (iii) Cancellation of the contract without any prior notice.
11. If the successful tenderer (s) willfully neglect, fails to perform or observe any or all conditions of the contract agreement or Tender Notice or attempts to cheat or indulge in foul practices, the Department. may impose a ban upon such tenderer(s) for future business with the Department.
12. Items mentioned in the list are only illustrative and may be omitted from the list of items to be purchased on finalization of order depending upon availability of fund.

13. The samples if asked for in the list of items are approved, no change of brand, shape, patterns, quality or specification will be entertained even on the plea of non-availability of raw material or alternative to the same quality.
14. The stores supplied must be of the same specification, weight and quality as the tendered samples. The successful tenderers will have to furnish the counter samples if required within 2 (two) weeks of receipt of information regarding acceptance of their tender. Failure to submit the counter sample in time as per specification of the approved sample will entail cancellation of the offer and forfeiture of earnest money/security deposit.
15. Delivery must be completed within 60 (sixty) days from the date of receipt of Supply Order. No extension of delivery period will be entertained.
16. Payment will be made to the supplier directly only on completion of supplies and on correct receipt of the goods by the consignee in good condition. Documents/Vouchers/R.R. bills etc. routed through Banks will not be accepted. Consignment will be dispatched by the Firm after payment of all freight charges at source. R.R. of freight will not be accepted.
17. Risk of transportation will be borne by the successful tenderers themselves.
18. A list of all documents that are attached to the tender should be noted on the body of the envelop containing the tender.
19. The acceptance or rejection of the tender rest finally with the undersigned and reserves the right of rejecting any tender or any item in the tender without assigning any reason thereof.
20. The undersigned reserves to himself the right to reject any or all tenders without prior notice nor assigning any reason thereof.
21. Samples of the unsuccessful tenderers if any, should be collected within 15 (fifteen) days after finalization by the purchase board. The undersigned is not responsible for the safe custody of the samples.
22. Firm/Supplier concerned is to furnish their address/contact telephone no. etc.
23. The Authority is not bound to accept the lowest tendered rates.

Encl: "Technical Specification".

*Sd/-*  
(D. D. SANGMA, MPS),  
Superintendent of Police, (F&ES),  
Meghalaya, Shillong.

Memo No MFS/A-35/C.S/Pt.II/2012-13/7/9490

Dated Shillong the 13<sup>th</sup> August-2012.

Copy to:-

1. The Inspector General of Police, (F&ES), Meghalaya, Shillong for favour of kind information.
2. The Director, M.P.R.O, Meghalaya, Shillong for favour of kind information.
3. The Asstt. Inspector General of Police (R) / (A), Meghalaya, Shillong for favour kind information.
4. The Senior/Special - Superintendents of Police, SB / CID (Disk enclosed) / INFIL / Shillong / Jowai / Khliehriat / Nongstoin / Mawkyrwat /Nongpoh / Tura / Williamnagar / Baghmara / Ampati / Resubelpara for favour of information.
5. The Supdt. of Police, (SCRB), Meghalaya, Shillong alongwith Disk for favour of information and necessary action.
6. The Director, Government Printing Press, Shillong with a request to publish in the consecutive issue of Meghalaya Gazette (Disk enclosed).
7. The Director of information and Public Relations, Meghalaya, Shillong with a request to publish the following gist in the local dailies of Meghalaya (one impression) only in Khasi/Garo/English in the Tender Notice caption of classified advertisement. The bill (in duplicate) alongwith a clipping of the published matter may be sent to the undersigned for payment.

Sd/-  
Superintendent of Police, (F&ES),  
Meghalaya, Shillong.

**TECHNICAL SPECIFICATION FOR HIGH PRESSURE PUMP BASED ON WATER MIST TECHNOLOGY**

The specification covers the requirements of design, manufacture, testing, supply of HIGH PRESSURE PUMP BASED ON WATER MIST TECHNOLOGY.

Water Mist Fire Fighting System:

The water mist fire fighting system shall have a filling volume of 300 liters of Water and 50 liters of Foam. (total 350 liters maximum) It should be designed to be mounted on most standard pickups and other small vehicles. It should have minimal requirements of space and weight while optimizing on manpower requirement and minimizing the water and other collateral damage to negligible in comparison to conventional water tender. The Unit design shall incorporate foam induction system which provides variable foam dosing and suction of water from an external source for direct fire fighting or filling of the tank.

1 SPECIFICATION/DETAILS OF THE UNIT:

- Weight of empty 300 liters. Unit.....<150 kgs. (Max)
- Max. Measurements of the unit (in mm).....As compact as possible
- Useable Water capacity..... 300 liters.
- Useable Foam capacity.....50 liters
- No. of deliveries..... 2 Nos

2 MAIN EXTINGUISHING GUN:

- Flow rate.....22 liters/min (+-5%)
- Weight of extinguisher gun.....2 kgs Max.
- Gun Dimensions.....As compact as possible.
- Working pressure on the nozzle:..... 100 bars Max. with nominal reaction.
- Throw ..... Jet - not less than 15 meters. (+/-10%)  
Spray: not less than 6 m (+/- 10%)
- Hose reel..... 60 meters (standard) on manual drum
- Max.set operating pressure..... 100 bars
- Starter..... Electric starter with provision of  
Pull cord over – ride
- Level Indicator..... Mechanical

3 MAIN PUMP:

- The pump should be capable of suction of water from tank or open source and to maintain adequate discharge rate and pressure for operation of nozzle at optimum efficiency
- Max. Pressure.....100 Bars
- Min. flow.....38 l/mn
- Power of the engine.....Not less than 13 BHP
- Fuel.....Unleaded Petrol

4 ENGINE:

- a. The prime mover for pump shall be 4-stroke Petrol driven engine and shall have compatible electrical and lubrication system. The engine should preferably be on 12V battery for which adequate charger shall also be provided. Suitable electronic instruments shall be provided on the body of engine / panel for fuel level, battery and temperature.

5 FOAM INDUCTION

- A suitable means shall be provided for induction of foam from tank so that proportion for single or double delivery remains constant and foam quality is maintained.
- Size of foam tank -50 liters (Min). (included in the water tank and rested from the water tank which will remain with 300 liters)
- Max. Induction - 6 % (From 0,5 to 6 adjustable)

6 ACCESSORIES:-

- Electric starter (Enabling the Unit to be Electrically started) 1
- Additional hose length of 30 meters. with drum
- Aqueous film forming foam (AFFF) 50 liters filled in the foam tank and 50 liters spare)
- Tool Kit Comprising of 1 no adjustable spanner 12” , 1 no. cutting pliers, 1 set of flat spanners, 1 set of adjustable screw driver, 1 set of suction key and other special tools as per the requirement of the unit.

• DESIGN & DEVELOPMENT:

- 1 Equipment details

- 2 The Water Mist Fire Fighting System will be a self driven fire fighting unit operated with  
3 in-built Petrol Engine coupled to a pump and attached with a reducer & hose pipes, Mist generating  
Guns.
- 4 The water mist system shall be capable of carrying 300 liters of water and Foam tank of 50 liters  
made of **GRP shape T** ( in order to reduce the gravity centre of the vehicle) and for AFFF a separate  
system to pump and mix the required ratio, which can be discharged in the form of a mist from a gun.
- 5 The discharge gun shall be of light weight having stainless steel nozzle capable of producing Water Mist  
with the ability to control the discharge in short burst and long shots.
- 6 The size of mist particle shall be in the range of 150 to 300 microns.
- 7 A suitable pressure reducer with a safety valve, capable of reducing to a low pressure not more than 100  
bars & jerk free working pressure shall be incorporated. The main vessel shall be corrosion free.
- 8 The foam required shall be Aqueous Film Forming Foam (AFFF).
- 9 The unit shall have adequate provisions for safety of the system.

- **SAFETY DEVICES:**

The following safety devices shall form part of equipment.

- I) the system shall be provided with pressure safety valve.
- II) The system will have proper heat & exhaust outlet for the engine without causing any interference to the operator while operating the unit.
- III) Any other safety device which is felt to be necessary to be a part of the equipment.

- **MAIN WATER TANK:**

The water tank shall be made of **GRP** giving a free corrosion for life and a light weight of the WATER MIST SYSTEM, having usable water storage capacity of 350 liters (300 for water and 50 liters capacity for foam) properly baffled into segments to reduce water surge. The water tank shall be T shape and thickness of the water tank should of 5 mm Minimum. a Manhole of 330 mm avec overflow pipe and an optical level of water should be part of the tank. The tank should resist to the flame and be anti ignition complying with the International Standards.

- **GUN:**

The Gun shall be provided with a suitable stainless steel filter. The discharge rate of main gun shall not be less than 20 liters per minute at pressure not exceeding 100 bars. The second gun should have a flow rate not exceeding 20 LPM. The designed of the gun shall such that there is no appreciable recoil pressure and the throw shall not be less than 15 meters (Jet mode) and shall not be less than 6 meters (Spray mode). The second gun shall have an attachment for discharging foam with suitable aeration facility.

- **HOSES:**

The hoses provided in the system shall be high quality and shall be capable of holding the temperature ranges from – 20 degree to + 55 degree centigrade. The material specification, working pressure, test pressure and cracking pressure should be indicated for each type of hoses. The minimum length of each hose should be 60 meters.

The seals and O - rings use in the system should be of synthetic material like nitrile rubber or equivalent.

- **MARKING:** Marking shall give details of capacity, manufacturer's name, month/ year of manufacturing of the system etc.

**N.B. :-**

- ★ **OPERATING MANUAL / INSTRUCTION BOOKLET SHOULD BE SUPPLIED ALONGWITH THE PUMP AT THE TIME OF DELIVERY.**
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