

GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF FIRE & EMERGENCY SERVICES
ITANAGAR

No.DIR/F&ES/MT-133/2020


Dated Itanagar the 03rd July' 2020

TENDER NOTICE

Sealed tender on plain paper are invited from well established and reputed fabricators for fabrication of 26(twenty six) nos. of Fire Crew Vehicles on Mahindra Bolero Camper Gold ZX BS6 for Arunachal Pradesh Fire & Emergency Services as per attached terms & conditions and technical specification. Tender will be **received upto 1600 hrs on 27/07/2020 and will be opened on 28/07/2020 at 1130 hrs.** The tenderers or their representatives may remain present at the time of opening of tenders.

The tender papers containing full details with specification and terms & conditions can also be obtained from Directorate of Fire & Emergency Services, Ganga, Itanagar on any working day during office hours w.e.f. 07/07/2020 to 27/07/2020 on payment of Rs.1,000/-(Rupees one thousand) only (non refundable) as tender fee in the form of Demand Draft/ Bankers Cheque in favour of Superintendent of Police, Fire & Emergency Services, Itanagar, Arunachal Pradesh payable at SBI Itanagar. It may also be downloaded from website www.arunpol.nic.in. The tenderer downloaded tender papers from website should be submitted tender fee Rs.1,000/-(Rupees one thousand) only (Non refundable) along with tender documents.

Incomplete tenders are liable to be rejected.


Director General
Fire & Emergency Services
Arunachal Pradesh
Itanagar


NOT TO BE PUBLISHED

No.DIR/F&ES/MT-133/2020

Dated Itanagar the 03rd July' 2020

Copy to:

1. The I/c Computer Cell, PHQ Itanagar may upload the Tender Notice, Terms & Conditions and Technical Specifications of Fire Crew Vehicle on the website www.arunpol.nic.in.
2. Notice board.
3. Office copy.


Director General
Fire & Emergency Services
Arunachal Pradesh
Itanagar

**GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF FIRE & EMERGENCY SERVICES
ITANAGAR**

No.DIR/F&ES/MT-133/2020

Dated Itanagar the 03rd July, 2020

TERMS AND CONDITIONS

1. The Director General of Fire & Emergency Services, Arunachal Pradesh, Itanagar invites sealed tender on plain paper from the well established and reputed fabricators for fabrication of 26(twenty six) nos. of Fire Crew vehicle on Mahindra Bolero Camper Gold ZX BS6 for Arunachal Pradesh Fire & Emergency Services as per specifications of this office. The seal tender will be received upto **1600 hrs on 27/07/2020** and will be opened **on 28/07/2020 at 1130 hrs**. The tenderers or their representatives may remain present at the time of opening of tenders.
2. Tender fee Rs.1000.00 (Rupees one thousand) only (non-refundable) per bid should be paid in the form of Demand Draft/Bankers cheque drawn in favour of Superintendent of Police, Fire & Emergency Services, Itanagar payable at State Bank of India, Itanagar. It is also applicable for those bidders who downloaded the tender papers through web site.
3. Tender received after scheduled date and time shall not be entertained.
4. Tender should be typed or hand written clearly in block letters. Rates quoted should be written both in figures and words.
5. Tenders will not be accepted unless properly sealed.
6. (A) Envelope, containing tender will be superscribed in block letters with the heading "**TENDER FOR FABRICATION OF FIRE CREW VEHICLE FOR ARUNACHAL PRADESH FIRE & EMERGENCY SERVICES**".

(B) Tenderer should write his full address at the bottom of the left side of envelope.
7. Correction(s) in the Tender, if any must also be typed clearly or written in block capital letters in ink and duly initialed. Overwriting on the tender is liable to be rejected.
8. Tender once submitted shall be final. No alteration/modification in the rates and terms and conditions of the tenders shall be entertained after opening of tender unless negotiated.
9. Tender will remain valid upto 31/12/2021. Rates quoted will be final and will not be allowed to be increased during the validity period under any circumstances and for any reason whatsoever.

10. The Fire Crew Vehicle duly fabricated as per specification shall have to be delivered within 90 (ninety) days from the date of issue of supply order. 50% of total vehicle shall be delivered within 60 days from the date of issue of supply order, failing which 5% of the total value of the fabrication will be forfeited and supply order will be cancelled.
11. Tender should be quoted in two bid system, **Part-I Technical Bid & Part-II Financial Bid** should be kept in separate sealed covers. Price should not be indicated in the technical bid. (Price should be quoted in Indian currency).
 - a. Financial bid shall be opened only for those bidders who have been declared technically qualified by the committee. The criteria for eligibility and qualifications are to be met by the bidders such as minimum level of experiences, past performances, facilities and financial position etc.
12. The Tenderers shall clearly mention the factory's address where the Fire Crew Vehicles will be fabricated and shall give undertaking to the effect that the fabrication works shall be fully insured against fire, theft, riots and burglary.
13. The firms should be financially sound and capable of undertaking fabrication of Fire Crew Vehicles within stipulated time given by the undersigned and no advance payments shall be made.
14. A team of officers nominated by the department shall inspect the Fire Crew Vehicles as regards its satisfactory fabrication and effective functionality of all fittings at the factory premises. Proper testing facilities of the appliances must be available at the factory site itself and must be provided by the fabricator at their cost. Any defect(s) noticed/pointed out by the above committee shall have to be rectified by the fabricator before acceptance of the fabricated Fire Crew Vehicles by the department. The payments for fabrication shall be paid only if the fabrication works in the opinion of the above committee and the accepting authority found satisfactory.
15. Rates quoted shall be for Itanagar destination. The price shall be inclusive of all taxes, duties, insurance, transportation etc. whichever is applicable shall be shown separately
16. The Tenderers should have GST registration certificate. They must also accompany with valid attested trading license issued by the competent authority.
17. All the tenders must be accompanied with earnest money of **Rs.7,00,000/- (Rupees seven lakh)** only in the name of the **Superintendent of Police, Fire & Emergency Services, Itanagar, Government of Arunachal Pradesh**. Tender without the earnest money will be summarily rejected. The tenderer within the State of Arunachal

Pradesh have to pledge EMD for tenders in the form of NSC/KVP and the tenderers of the firms outside the State of Arunachal Pradesh have to pledge EMD in the form of Demand Draft or Bank Guarantee. However, the firms registered under Micro Small & Medium Enterprises (MSME), Small Scale Industries (SSI) are exempted from pledging EMD for which the firm shall have to submit the copy of certificate along with the tender.

18. The successful Tenderer shall have to execute the contract agreement with the undersigned.
19. Earnest money in respect of unsuccessful Tenderers shall be released soon after finalization of the Tender and the earnest money of the successful Tenderer shall be released after signing of the contract agreement and submission of Bank Guarantee in respect of the vehicles delivered for fabrication.
20. Successful tenderer should deposit 5%(five) of the total value as performance bank guarantee within ten days from the date of issue of letter of acceptance of tender.
21. The successful tenderer shall have to enter into a "DEED OF AGREEMENT" stipulating the terms and conditions of the contract. Security deposit will be subject to forfeiture in case of non fulfillment of any or all the terms and conditions of the contract. The Earnest money of successful tenderer shall be forfeited to the government in case of failure to furnish security money and execution of "DEED OF AGREEMENT".
22. TDS/Income Tax against the supply order shall be deducted from the bill as per applicable rate.
23. The fabricator should have following pre qualification criteria:
 - a) The tenderer should submit ISO:9001 certificate along with tender documents.
 - b) The tenderer should have good experience on fabrication of Fire vehicles. Documents should be submitted in this regard.
 - c) The tenderer should be financially sound and necessary documents to this effect may be submitted with the tender papers.
 - d) The tenderer should have their Regional Office/Representative at NE region for immediate response and have better after sales and service support.
24. The successful bidder has no right to claim for additional fund in case of cost escalation of the items in the market.

25. The vehicles shall be guaranteed for a period of min. 2 (two) year for all manufacturing defects. During this period if any defects are found in the vehicle, the same shall be repaired or replaced free of charge. A guarantee certificate shall be provided with the vehicle at the time of delivery.
26. Bidder shall also guarantee that spare parts for the above vehicles shall be available as & when required for a minimum period of 5(five) year from the date of supply. This guarantee/undertaking shall also be obtained from the manufacturer of major aggregates fitted on the vehicle.
27. The fabrication work/equipments installed shall carry guarantee of 2(two) year during which defect(s), if any, shall be repaired or the items/parts shall be replaced, free of cost by the fabricator.
28. The Director General of Fire & Emergency Services, Arunachal Pradesh, Itanagar reserves the right to reject the lowest or all or any of the tender without assigning any reason thereof.
29. In case of any dispute, legal jurisdiction shall be at Itanagar, Arunachal Pradesh.
30. In case of any bandh call on the date of opening of tender, the same will be opened on next day.

NOTE:-26(twenty six) Nos. of Mahindra Bolero Camper Gold ZX BS6 vehicle shall be procured by the vendor.

[Signature]
 SUPERINTENDENT OF POLICE
 Fire & Emergency Services
 Arunachal Pradesh

[Signature]
 Fire & Emergency Services
 Director General
 Fire & Emergency Services
 ITANAGAR
 Arunachal Pradesh
 Itanagar

03.07.20

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TECHNICAL SPECIFICATION OF FIRE CREW VEHICLE

Sl.No	SPECIFICATION
1.	General: The Fire Crew vehicle with water mist fire fighting systems shall be fabricated on the vehicle Mahindra Bolero Camper gold ZX BS6 shall be procured by the vendor.
2.	Driver/Crew cabin: The driver's/Crew Cabin shall be the original cabin supplied by the vehicle manufacturer.
3.	The Fire Crew vehicle with water mist fire fighting systems also capable for sanitization of area keeping in mind the Covid 19, shall have filling volume of 500 litres of water. 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 is complete with opening roller shuttle and frame, which provide protection for the unit itself and easy transportation.
4.	<u>Specification details of the unit.</u> ❖ Capacity of the tank 500 liters. ❖ Usable Water capacity : 450 litres ❖ Built in foam agent tank : 50 litres ❖ No. of deliveries :2-Nos
5.	<u>EXTINGUISHING GUN</u> ❖ Weight of extinguisher gun: 2 kgs Max. ❖ Gun Dimensions: As compact as possible. ❖ Working pressure on the nozzle: 60 bars max with nominal reaction ❖ Throw: Jet -not less than 15m (+/- 10%) ❖ Spray: 6m (+/- 10%) ❖ Hose reel: 30 meters (standard) on manual drum ❖ Max. set operating pressure: 40 bars ❖ Water Level Indicator to be provided.
6.	<u>MAIN PUMP</u> ❖ The pump should be capable of suction of water from tank and to maintain adequate discharge rate and pressure for operation of nozzle at optimum efficiency. ❖ Max. Pressure: 40 bars ❖ Max flow: 70 l/min ❖ Power of the engine :Not less than 13HP ❖ Fuel: Unleaded Petrol



7.	<p><u>ENGINE</u></p> <ul style="list-style-type: none"> ❖ 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. ❖ The engine must have electric starter and emergency manual starter
8.	<p><u>FOAM MIXING SYSTEM</u></p> <ul style="list-style-type: none"> ❖ A suitable means shall be provided for mixing of foam from tank so that proportion for delivery remains constant and foam quality is maintained. ❖ Size of foam tank :50lts(Min).(included in the water tank) ❖ Max. mixing :6% (From 0.1 to 6% adjustable) ❖ The foam should be mixed inside the pump not through a venturi system for a better mixing of foam. ❖ The foam mixing system should prevent the return of foam inside the water tank. ❖ The unit should be able to deliver a very good quality of low, medium and high expansion whatever the length of the hose.
9.	<p><u>ACCESSORIES</u></p> <ul style="list-style-type: none"> ❖ Electric starter (Enabling the unit to be electrically started) – 1 no ❖ Complete control panel – 1 no ❖ Hour counter – 1 no ❖ Aspiration kit complete with 6 meters suction pipe – 1 no
10.	<p><u>DESCRIPTION</u></p> <ul style="list-style-type: none"> ❖ The Water Mist Fire fighting System will be a self driven firefighting unit operated with inbuilt Petrol Engine coupled to a pump and attached with a reducer & hose pipes, Mist generating Guns. ❖ The water mist system shall be capable of carrying 500 (five hundred) litres of water and foam made of Glass reinforced plastic (GRP) 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. ❖ The discharge gun shall be of light weight having stainless steel/brass nozzle capable of producing Water Mist with the ability to control the discharge in short burst and long shots. ❖ The foam required shall be aqueous film forming foam (AFFF). ❖ The unit shall have adequate provisions for safety of the system.
11.	<p><u>SAFETY DEVICES</u></p> <ul style="list-style-type: none"> ❖ The following safety device shall form part of equipment. <ul style="list-style-type: none"> i) The system will have proper heat & exhaust outlet for the engine

	<p>without causing any interference to the operator while operating the unit.</p> <p>ii) Any other safety device which is felt to be necessary to be a part of the equipment.</p>
12.	<p><u>MAIN WATER TANK</u></p> <ul style="list-style-type: none"> ❖ The water tank shall be made of Glass reinforced plastic (GRP) giving a free corrosion for life and a lightweight of the water mist system, having useable water storage capacity of 500 Litres properly baffled into segment to reduce water surge. ❖ The thickness of the water tank should be of 5mm 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 standards:- DIN 53438 - 3; FIAT 50433; FIAT 50433/01 ❖ The tank must be monolithic (one-piece design) to eliminate the problem of the limited mechanical resistance to lateral and centrifugal forces of the tank when vehicle driven on uneven ground.
13.	<p><u>HOSES</u></p> <ul style="list-style-type: none"> ❖ The hoses provided in the system shall be high quality and shall be capable of holding the temp. ranges -50 to + 600C. ❖ The material specification, working pressure, test pressure and cracking pressure should be indicated for each type of hose. ❖ The minimum length of each hose should be 30m. The seals and O-rings used in the system should be of synthetic material like Nitrile rubber or equivalent.
14.	<p><u>OPERATING CONDITIONS</u></p> <ul style="list-style-type: none"> ❖ Water Mist Fire fighting system shall operate satisfactorily under the following climatic conditions. <ul style="list-style-type: none"> • Variation of ambient temperature from -20°C To 55°C with 98% relative humidity. • Dusty and corrosive atmosphere with dust content in air up to 1.6 gm/ cubic meter. • Altitude - Up to 1200m above Mean Sea level.
15.	<p><u>MARKING</u></p> <ul style="list-style-type: none"> ❖ Marking shall give details of capacity, manufacturer's name, month/ year of manufacturing of the system etc.

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16.	<p><u>STOWAGE.</u></p> <ul style="list-style-type: none"> ❖ Sufficient numbers of stowage's shall be provided in the vehicle. ❖ Suitable clamps, brackets, holders etc. shall be provided in the stowage's. ❖ A carrier shall be provided on roof of the vehicle.
17.	<p><u>PAINING</u></p> <ul style="list-style-type: none"> ❖ The outer surface of the vehicle shall be painted with good quality paint in fire red colour conforming to shade No.536 of IS:5. The paint will confirm to IS:2932. The chassis shall be under coated with 2 coats of anticorrosive paint.
18.	<p><u>LIGHTING</u></p> <ul style="list-style-type: none"> ❖ One no. of electric siren and an emergency light bar Red/Amber & Blue shall be mounted on cabin rooftop. The control of the same shall be provided inside cabin. ❖ Roof light shall be provided in the stowage's and pump unit.
19.	<p><u>AFFIXING DEPARTMENT NAME & LOGO</u></p> <ul style="list-style-type: none"> ❖ Name of the department, "ARUNACHAL PRADESH FIRE & EMERGENCY SERVICES" shall be painted on both sided of vehicle in letter of suitable size in golden yellow paint with black color shading. ❖ Name of the Fire Station shall be painted at the rear of the vehicle in letter of suitable size in golden yellow paint with black color shading. List of Fire Station enclosed at Annexure-A. ❖ The "LOGO" of the department shall be painted on both sides of the vehicle in natural colors at suitable place (doors). The logo is at Annexure-B.
20.	<p><u>GUARANTEE PERIOD</u></p> <ul style="list-style-type: none"> ❖ The vehicles shall be guaranteed for a period of min. 2 (two) years for all manufacturing defects. During this period if any defects are found in the vehicle, the same shall be repaired or replaced free of charge. A guarantee certificate shall be provided with the vehicle at the time of delivery.
21.	<p><u>SPARE PARTS UNDERTAKING</u></p> <ul style="list-style-type: none"> ❖ Bidder shall guarantee that spare parts for the above vehicles shall be available as & when required for a minimum period of 5(five) years from the date of supply. This guarantee/undertaking shall also be obtained from the manufacturer of major aggregates fitted on the vehicle.
22.	<p><u>INSPECTION AND TESTS</u></p> <ul style="list-style-type: none"> ❖ Final Inspection for acceptance of Fire Crew Vehicle will be carried out at the site of procuring entity.

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SUPERINTENDENT OF POLICE
Fire & Emergency Services
Arunachal Pradesh

[Signature]

13.07.22
Director General
Fire & Emergency Services
Arunachal Pradesh
Itanagar
ITANAGAR

List of Fire Stations

Sl.No	Name of Fire Station to be painted at rear side of the vehicle
1	Fire Station, Itanagar Arunachal Pradesh
2	Fire Station, Naharlagun Arunachal Pradesh
3	Fire Station, Pasighat Arunachal Pradesh
4	Fire Station, Ziro Arunachal Pradesh
5	Fire Station, Daporijo Arunachal Pradesh
6	Fire Station, Dumporijo Arunachal Pradesh
7	Fire Station, Aalo Arunachal Pradesh
8	Fire Station, Basar Arunachal Pradesh
9	Fire Station, Likabali Arunachal Pradesh
10	Fire Station, Yingkiong Arunachal Pradesh
11	Fire Station, Seppa Arunachal Pradesh
12	Fire Station, Bomdila Arunachal Pradesh
13	Fire Station, Bhalukpong Arunachal Pradesh
14	Fire Station, Tawang Arunachal Pradesh
15	Fire Station, Khonsa Arunachal Pradesh
16	Fire Station, Changlang Arunachal Pradesh
17	Fire Station, Roing Arunachal Pradesh
18	Fire Station, Tezu Arunachal Pradesh
19	Fire Station, Namsai Arunachal Pradesh
20	Fire Station, Koloriang Arunachal Pradesh
21	Fire Station, Anini Arunachal Pradesh
22	Fire Station, Hawaii Arunachal Pradesh
23	Fire Station, Longding Arunachal Pradesh



Handwritten signature and initials