

## उत्तर प्रदेश फायर सर्विस मुख्यालय लखनऊ।

चतुर्थ/पंचम तल, इंदिरा भवन, अशोक मार्ग, लखनऊ-226001, E-Mail fshqup@gmail.com  
पत्रसंख्या:-बाईस-एफएस(टी)-214-2015 दिनांक:लखनऊ:जुलाई 8 ,2015

### निविदा सूचना

उत्तर प्रदेश अग्निशमन सेवा हेतु निम्नलिखित अग्निशमन उपकरणों/मशीनों/संयन्त्रों/सामग्री के क़य निर्माण के लिए निर्माता/अधिकृत डीलरों से सील बन्द निविदायें आमंत्रित की जाती हैं:-

क्र० सं०	निविदा संख्या	उपकरण का नाम	मात्रा	अर्नेस्ट मनी (रु०में)	निविदा प्रपत्र का मूल्य(रु०में)
1	2	3	4	5	6
1	बाईस-एफएस(टी०)-216-2015	डिवाइडिंग ब्रीचिंग हैण्ड कन्ट्रोल	74	10,000 / -	257 / -
2	बाईस-एफएस(टी०)-217-2015	वाटर टेण्डर टाइप बी बड़ा का निर्माण(05+03 = 08)	08	2,25,000 / -	344 / -
3	बाईस-एफएस(टी०)-218-2015	वाटर टेण्डर टाइप बी छोटा का निर्माण (02+03 = 05)	05	1,30,000 / -	344 / -
4	बाईस-एफएस(टी०)-219-2015	फोम टेण्डर	02	66,000 / -	344 / -
5	बाईस-एफएस(टी०)-220-2015	वाटर टेण्डर विद हाई प्रेशर पम्प	03	1,50,000 / -	344 / -
6	बाईस-एफएस(टी०)-221-2015	एडवांस रेस्क्यू टेण्डर	01	1,60,000 / -	344 / -
7	बाईस-एफएस(टी०)-222-2015	वन टनर वेहिकल विद हाई प्रेशर पम्प (02+12 = 14)	14	1,45,000 / -	344 / -
8	बाईस-एफएस(टी०)-223-2015	हाई कैपेसिटी पोर्टेबुल पम्प (02+02 = 04)	04	36,000 / -	344 / -
9	बाईस-एफएस(टी०)-224-2015	बी०ए०सेट विद डीएसयू एण्ड स्पेयर सिलेण्डर	10	15,000 / -	257 / -
10	बाईस-एफएस(टी०)-225-2015	गैस टाइट सूट	10	17,000 / -	257 / -
11	बाईस-एफएस(टी०)-226-2015	फायर प्राक्सीमिटी सूट	10	14,000 / -	257 / -

2. उपरोक्त उपकरण के आपूर्ति हेतु इच्छुक फर्म निविदा फार्म मय टेक्निकल/फाइनेंसियल बिड व शर्तों सहित निविदा प्रकाशन की तिथि से किसी भी कार्य दिवस में उत्तर प्रदेश फायर सर्विस मुख्यालय से प्रातः 10:00 बजे से 5:00 बजे के मध्य वॉछित धनराशि का बैंक ड्राफ्ट/डिमाण्ड ड्राफ्ट (राष्ट्रीयकृत बैंक द्वारा निर्गत) पुलिस महानिदेशक, फायर सर्विस के नाम से बनवाकर कर प्राप्त किये जा सकते हैं। जिन निविदाकर्ताओं को निविदा प्रपत्र स्पीडपोस्ट से प्राप्त करना हो उन्हें निविदा प्रपत्र के मूल्य के अतिरिक्त रु०100/- (डाक व्यय अतिरिक्त) का बैंक ड्राफ्ट/ डिमाण्ड ड्राफ्ट (राष्ट्रीयकृत बैंक द्वारा निर्गत ही स्वीकार किया जायेगा) पुलिस महानिदेशक ,फायर सर्विस उत्तर प्रदेश लखनऊ (पेबुल एट लखनऊ) के नाम भेजना होगा। इस संबंध में डाक में हुई किसी प्रकार के विलम्ब का उत्तरदायित्व फायर सर्विस मुख्यालय का नहीं होगा।

3. प्रत्येक उपकरण/सामग्री की सम्पूर्ति हेतु अलग-अलग निविदा प्रपत्र (तकनीकी आफर एवं वित्तीय आफर) प्रस्तुत करना होगा।

4. उपकरण/सामग्री की सम्पूर्ति हेतु उपकरण के तकनीकी आफर में केवल एक ही माडल का उल्लेख किया जायेगा। तकनीकी आफर में यदि एक से अधिक माडल का उल्लेख पाया जायेगा तो निविदा निरस्त कर दी जायेगी।

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5. प्रत्येक उपकरण/सामग्री के निविदा के लिए उनके समक्ष अंकित धरोहर धनराशि/अर्नेस्टमनी (बैंक ड्राफ्ट/ डिमाण्ड ड्राफ्ट/बैंक गारण्टी- राष्ट्रीयकृत बैंक द्वारा निर्गत ही स्वीकार किया जायेगा) पुलिस महानिदेशक, फायर सर्विस उत्तर प्रदेश लखनऊ(पेबुल एट लखनऊ) के नाम से भेजना होगा। अर्नेस्टमनी के अभाव में निविदा पर विचार नहीं किया जायेगा।
6. सफल निविदादाता को आदेश मूल्य का 10 प्रतिशत की दर से **सिक्योरिटी मनी (एफ0डी0आर0 /बैंक ड्राफ्ट/बैंक गारण्टी - राष्ट्रीयकृत बैंक द्वारा निर्गत ही स्वीकार किया जायेगा)** जमा करना होगा, जिसे गारण्टी/वारण्टी अवधि समाप्ति के बाद वापस कर दिया जायेगा।
7. अपर पुलिस महानिदेशक/पुलिस महानिदेशक,फायर सर्विस,उत्तर प्रदेश,लखनऊ किसी समय बिना कारण बताये निविदा को निरस्त कर सकते हैं।
8. विभाग न्यूनतम निविदा को स्वीकार करने के लिए बाध्य नहीं होगा एवं क्रय किये जाने वाले उपकरणों की संख्या घटाने व बढ़ाने का भी पूर्ण अधिकार होगा।
9. टेण्डर के जनरल टर्म्स एण्ड कण्डीशन में अंकित निर्देश के अनुरूप निविदा प्रस्तुत करना होगा। अन्यथा निविदा स्वीकार नहीं किया जायेगा।
10. जो फर्म अर्नेस्टमनी/निविदा शुल्क जमा करने से छूट के लिए दावा करती हैं,उन फर्मों को इस सम्बन्ध में सक्षम प्राधिकारी द्वारा निर्गत अर्नेस्टमनी से छूट प्रदान करने सम्बन्धी वैध प्रपत्र को प्रमाणित कर(हस्ताक्षर मय मुहर) तकनीकी आफर के साथ उपलब्ध कराया जाना अनिवार्य है।
11. जो फर्म निविदा शुल्क जमा करने से छूट के लिए दावा करेगीं उन फर्मों को भी निविदा के साथ निविदा प्रपत्र के मूल्य के बराबर वांछित धनराशि का बैंक ड्राफ्ट/ डिमाण्ड ड्राफ्ट (राष्ट्रीयकृत बैंक द्वारा निर्गत ही स्वीकार किया जायेगा) जमा करना होगा। निविदा प्रपत्र के मूल्य के अभाव में निविदा पर विचार नहीं किया जायेगा।
12. निविदा प्रस्तुतकर्ता फर्म के स्वामी/अधिकृत एजेंट को प्रत्येक निविदा की तकनीकी बिड के साथ वांछित समस्त प्रमाण-पत्र यथा आयकर विभाग, व्यापारकर विभाग,हैसियत प्रमाण-पत्र तथा ₹0100/- मात्र का नान जूडिशियल स्टाम्प पेपर पर निविदा दाता फर्म/कम्पनी इस आशय का प्रमाण पत्र प्रस्तुत करेगा कि निविदादाता फर्म/कम्पनी की कोई आपराधिक पृष्ठभूमि नहीं है,जो नोटरी द्वारा सत्यापित भी होगा।
13. इंटरनेट वेबसाइट से प्राप्त किये गये उपकरणों/संयंत्रों के स्पेशीफिकेशन एवं टर्म्स एण्ड कण्डीशन तथा फायर सर्विस मुख्यालय,उत्तर प्रदेश से सीधे क्रय किये गये उपकरणों/संयंत्रों के स्पेशीफिकेशन एवं टर्म्स एण्ड कण्डीशन में यदि कोई अन्तर होता है तो फायर सर्विस मुख्यालय,उत्तर प्रदेश से सीधे क्रय किये उपकरणों/संयंत्रों के स्पेशीफिकेशन एवं टर्म्स एण्ड कण्डीशन ही मान्य होंगे।
14. निविदा संबंधी नियम/शर्तें,स्पेशीफिकेशन, एस0पी0डी0-3,फार्म उ0प्र0पुलिस की वेबसाइट <http://uppolice.up.nic.in> एवं सूचना विभाग, उ0प्र0 लखनऊ की वेबसाइट [www.upgov.nic.in](http://www.upgov.nic.in) पर देखी एवं डाउनलोड की जा सकती है। डाउनलोड किये गये निविदा फार्म के मूल्य का बैंक ड्राफ्ट, जो पुलिस महानिदेशक, फायर सर्विस,उत्तर प्रदेश,लखनऊ (पेबुलएट लखनऊ) के पक्ष में देय हो, भेजना अनिवार्य होगा, अन्यथा निविदा निरस्त कर दी जायेगी।
15. निविदा के आधार पर अन्तिम निर्णय लेने से पूर्व यदि प्रश्नगत उपकरणों के संबंध में किसी फर्म द्वारा या किसी अन्य एथेन्टिक श्रोत से प्रश्नगत उपकरण के डीजीएस एण्ड डी अथवा उद्योग निदेशालय,कानपुर के दर अनुबन्ध पर उपलब्ध होने की सूचना प्राप्त होती है या प्रश्नगत उपकरणों के सम्बन्ध में डी0जी0एस0 एण्ड डी0 दर अनुबन्ध का नवीनीकरण अथवा नया डी0जी0एस0 एण्ड डी0 दर अनुबन्ध जारी हो जाता है तो आमन्त्रित की गयी निविदा स्वतः निरस्त समझी जायेगी।
16. ऐसी फर्म जो आपराधिक छविवाली है या जिनके विरुद्ध विभागीय अथवा ब्लैक लिस्टिंग की कार्यवाही की गयी है अथवा प्रचलित है, की निविदा स्वीकार नहीं की जायेगी।

17. जो फर्म, एन0एस0आई0सी0 के अन्तर्गत पंजीकृत हैं, उन्हें भी निविदा शुल्क जमा करना होगा।

18. चेक लिस्ट के प्रत्येक बिन्दु के सम्मुख आवश्यक पूर्ण पृविष्टि अंकित करके निविदा के तकनीकी आफर के साथ संलग्न कर उपलब्ध कराया जाना अनिवार्य है। चेक लिस्ट सहित तकनीकी आफर के साथ संलग्न किये गये सम्मस्त अभिलेखों को निविदा दाता फर्म के सक्षम अधिकारी द्वारा प्रमाणित कर प्रस्तुत करना अनिवार्य है(हस्ताक्षर मय मुहर) **अन्यथा निविदा अस्वीकार कर दिया जायेगा।**

19. यदि निम्नलिखित दिवसों में अवकाश हो तो निविदायें अगले कार्य दिवस में पूर्वान्ह 11:00 बजे खोली जायेगी:—

(1)निविदा विक्रय करने की तिथि एवं समय

**निविदा प्रकाशन की तिथि से**

दि0 08—08—2015 को पूर्वान्ह 11.00 बजे तक

(2)निविदा प्राप्त करने की अन्तिम तिथि

दि0 08—08—2015 को मध्यान्ह 12:00 बजे तक

(3)टेविनकल बिड खोलने की तिथि व समय

दि0 08—08—2015 को अपरान्ह 15.00 बजे

( आलोक प्रसाद )  
पुलिस महानिदेशक  
फायर सर्विस,उत्तर प्रदेश,  
लखनऊ।

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**U.P. FIRE SERVICE HEADQUARTERS, LUCKNOW**

4<sup>th</sup> /5<sup>th</sup> Floor, Indira Bhawan, Ashok Marg, Lucknow-226001, E-Mail fshqup@gmail.com

TENDER NO-XXII-FS(T)-214-2015

DATED: LUCKNOW: July 8, 2015

**TENDER NOTICE**

Sealed Tenders are invited from the Manufacturers, Authorized agents/ dealer for supply of following equipments & Fabrication work:-

SL. No.	Tender No	Name of Equipment	No of Item	E.M.D (In Rs.)	Cost of tender (In Rs.)
1	2	3	4	5	6
1	XXII-FS(T)-216-2015	Dividing Breeching Hand Control	74	10,000 / -	257 / -
2	XXII-FS(T)-217-2015	Water Tender Type 'B' (Big) (05+03 = 08)	08	2,25,000 / -	344 / -
3	XXII-FS(T)-218-2015	Water Tender Type 'B' (Small) (02+03=05)	05	1,30,000 / -	344 / -
4	XXII-FS(T)-219-2015	Foam Tender	02	66,000 / -	344 / -
5	XXII-FS(T)-220-2015	Water Tender With High Pressure Pump	03	1,50,000 / -	344 / -
6	XXII-FS(T)-221-2015	Advance Rescue Tender	01	1,60,000 / -	344 / -
7	XXII-FS(T)-222-2015	One Tunner Vehicle with High Pressure Pump (02+12=14)	14	1,45,000 / -	344 / -
8	XXII-FS(T)-223-2015	High Capacity Portable Pump	02	22,000 / -	257 / -
9	XXII-FS(T)-224-2015	Breathing Apparatus Set With DSU & Spare Cylinders	10	15,000 / -	257 / -
10	XXII-FS(T)-225-2015	Gas Tight Suit	10	17,000 / -	257 / -
11	XXII-FS(T)-226-2015	Fire Proximity Suit	10	14,000 / -	257 / -

2- The Tender documents for tender mentioned above along with Technical specification may be purchased on payment at the cost given against tender in Demand Draft in favour of Director General of Police Fire Services U.P. Lucknow payable at Lucknow. **(issued by Nationalized Bank will only be accepted)** The office of the undersigned on any working day between 10.00 AM to 5.00 PM. Those desirous of obtaining the Tender documents by Speed Post may sent extra charges of Rs.100/- Demand Draft in favour of Director General of Police Fire Services U.P. Lucknow payable at Lucknow. Bank Draft / Demand Draft should be issued by a Nationalized Bank. **(issued by Nationalized Bank will only be accepted)**

3- Separate tender documents ( Technical and Financial ) should be submitted for each equipment/items.

4- In The Technical offer only one model should be mentioned meeting all Technical requirements as per specification otherwise offer will be rejected.

5- Each Bidder will have to deposit an Earnest Money (EMD) as mentioned against tender in the form of FDR/Bank Guarantee **(issued by Nationalized Bank will only be accepted)** in favor of Director General of Police Fire Service U.P. Lucknow payable at Lucknow.

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6- Successful bidders will have to deposit {**FDR/Bank Guarantee ((issued by Nationalized Bank will only be accepted )** a security money @ 10% of the order value, which will be refundable after expiry of warranty period.

7- The Addl. Director General of Police/ Director General of Police Fire Services U.P. Lucknow may cancel the tender at anytime without assigning any reason for the same.

8- The Number and quantity of equipments/material may be increased or decreased by the purchaser as per need and Bid can be cancelled without showing any reason. Bidder Firm will be bound to supply as per stipulated number as set by the Department and on the same terms and conditions.

9- Bidder should comply all instructions given in the General Terms & Conditions of the Tender documents. Otherwise bid will be rejected.

10- Firms which claim exemption for deposition of Bid Fee & Earnest Money will have to submit certificate in this direction from the competent authority designated by the concerned Government. Valid certificate should also be attested by the bidder.( with signature & seal).

11- Those firms, which claim for exemption from tender fee, shall also have to deposit the required amount equivalent to the value of tender document by way of Demand Draft/ Bank Draft (**issued by Nationalized Bank will only be accepted** ). An offer without tender fee shall be similarly rejected.

12- Bidder must submit up dated certificate of Income Tax Department, Sales Tax Department and legal solvency certificate in regard to their firm. The Bidder must produce a certificate on an Affidavit of ₹100/- of Non-judicial stamp paper verified by Notary stating that the company/ firm participating in the Bid does not have a past or present Criminal record/background.

13- Specification and Term and Condition obtained from U.P. Fire Service Head Quarters will be final, if any difference is notified between down loaded specification and Terms and condition from internet.

14- Terms and Conditions of Tender notice, specification and relevant documents can be downloaded from U.P. Police website <http://uppolice.up.nic.in> and Department of Information U.P., Lucknow website [http:// www.upgov.nic.in](http://www.upgov.nic.in). In this case the tenderer will have to enclose the cost of tender documents in the form of Bank Draft drawn in favour of Director General of Police Fire Services U.P. Lucknow payable at Lucknow with the technical offers. Separate Bank drafts in respect of the cost of tender documents and earnest money should be enclosed. Cost of tender documents is not refundable, while earnest money is refundable.

15- If tendered items are available on D.G.S. & D. Rate Contract & D.I. Rate Contract during the process of purchase then purchase by tender can be cancelled by the Department. If any item of Bidder firm is on D.G.S. & D. Rate Contract & D.I. Rate Contract, the concerning firm will enclose the necessary documents.

**16- The Tenders will not be accepted to the Firm having criminal background or Black listed from any organization.**

**17- Firms registered under NSIC also have to deposit Tender Fees.**

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18- Bidder should fill completely the attached Check List Annexure-II (Sl.No. 1 to 13) and attached it with Technical offer of the bid. Check List & other relevant documents should be attested by the bidder firm with signature & seal of the Competent Authority otherwise Offer will be rejected.

19- It is clarified that in case of holiday in following dates then next day tender will be opened at 11.00 hours sharp.

- |                                       |  |
|---------------------------------------|--|
| 1-Period of sale of Tender documents  | : From the date tender published to<br>08-08-2015 upto 11-00 hours |
| 2- Last date of receipt of Tenders    | : 08-08-2015 upto 12-00 hours                                      |
| 3- Date of Opening of Technical offer | : 08-08- 2015 at 15-00 hours                                       |

**( Alope Prasad )**  
**Director General of Police**  
Fire Service Headquarter  
U.P. LUCKNOW.



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

### TENDER PROCESS INDEX

S.N	SUBJECT	PAGE
A.	GENERAL TERMS AND CONDITIONS	2
B.	SUBMITTING THE BID	3
C.	BID FEES (TENDER FEES)	5
D.	BID SECURITY (EARNEST MONEY)	5
E.	PERIOD OF VALIDITY OF BIDS	6
F.	MODIFICATION AND WITHDRAWAL OF BIDS	6
G.	CLARIFICATION OF BIDS	6
H.	PRELIMINARY EXAMINATION OF BIDS	6
I.	EVALUATION AND COMPARISON OF BIDS	7
J.	CONTACTING THE PURCHASER	7
K.	NOTIFICATION OF AWARD	7
L.	SIGNING OF CONTRACT	7
M.	PERFORMANCE SECURITY	8
N.	INSURANCE	8
O.	CORRUPT OR FRAUDULENT PRACTICES	8
P.	SAMPLES, INSPECTIONS AND TESTS	8
Q.	PACKING	9
R.	SIGNING OF BID	9
S.	PRICES	10
T.	AUTHORITY LETTER	10
U.	GENERAL	10
V.	IMPORTANT NOTE	11
X.	SPECIAL TERMS AND CONDITIONS	11
Y.	SUPPLY	12

**Caveat:** “The Bidder is expected to examine all instructions, forms, terms and conditions, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in rejection of its bid”



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

### GENERAL TERMS AND CONDITIONS OF BID

1. (a) **Only the manufacturer/ authorized agent/ dealer/ supplier registered with 'Directorate of Industries' of Government of India or any State Government will be eligible to participate to bid against present tender notice.**
- (b) Special terms and conditions, if given along with the specifications of a particular tendered item(s) being purchased will be deemed to have superseded the relevant conditions laid down in the 'General Conditions of Bid'.
- (c) 'Director General/Addl. Director General of Fire Service Headquarters, U.P., Lucknow', hereinafter referred to as "the Purchaser" reserves the right to accept or quash/ reject all or any of the bids either in part or full or split up the contract without assigning any reason there of.
- (d) **Bidders should bid separately for each of the item which forms separate serial number in the tender notice but will not be allowed to break-up any such item or bid for only a part of an item.**
- (e) All bids must be F.O.R. various destinations in U.P.
- (f) The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- (g) At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
- (h) All prospective bidders who have received the bidding documents will be notified of the amendment in writing or by fax, and will be binding on them.
- (i) In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.
- (j) The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the translation shall govern.
- (k) **The Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.**
- (l) **All bids submitted shall include the legal status, place of registration and principal place of business of the company or firm or partnership, etc. Details of work experience and past performance of the bidder on items offered and on fire fighting vehicles within the past five □ years and details of current contracts in hand and other commitments. (the bidder should have □ work experience of ten firefighting vehicles offered Fabricated/ Manufactured in five years.**
  - (i) **Actual Production Capacity**
  - (ii) **Capacity already committed to offer**
  - (iii) **Capacity available for the Tender in question**
  - (iv) **Monthly commitment of supply against capacity available for the tender in question under(c)**

**This could be supplemented with offer certificate / Document to make the position amply clear.**



- (m) Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, will be rejected and/or returned unopened to the Bidder.**
- (n) The Purchaser will prepare minutes of the bid opening.**
- (o) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.**
- (p) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein.**
- (q) "Day" means calendar day.**
- (r) The tendering firms are required to submit the costing with documentary proof (Like bills and vouchers) compulsorily in support of their rates along with tender (Financial Cover.)**
- (s) ISI License –Valid copy of License should be attached with tender documents (For ISI marked equipments) failing which offer will be rejected.**

## **B. SUBMITTING THE BID**

- 2. (a) The essential details of specification & instructions are to be followed strictly in accordance with the tender notice. The tendering firms are required to submit their offer in TWO PARTS. The first part will be named as "TECHNICAL BID" and the second part will be called as "FINANCIAL BID".**
- (b) The Bidder shall prepare two copies of the each bid, clearly marking each "Original Bid" and "Copy Bid", as appropriate. In the event of any discrepancy between them, the original shall govern. The original and all copies of the bid shall be typed or written in indelible ink.**
- (c) The Bidders shall seal the original and each copy of the bid in separate inner envelopes, duly marking the envelopes as "original" and "copy". All relevant enclosures should be very clearly indicated on the all envelopes. He shall then place all the inner envelopes in an outer envelope (SEPARATE BIG COVERING ENVELOPE). All properly sealed envelopes should be addressed to 'Director General/Addl. Director General of Fire Service Headquarters, U.P., Lucknow-226 001'.**
- (d) Tender notice numbers, date of tender notice and due date of opening should be mentioned on all sealed envelopes.**
- (e) The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "late".**
- (f) Rates quoted in the technical bid WILL NOT BE ACCEPTED.**
- (g) Special attention of the bidding firms is invited about the receipt of bid in time. In case of hand delivery, please ensure that bid(s) is/ are dropped in the Tender Box before the prescribed date and time. The tender box is kept in the office of the Purchaser.**
- (h) All papers, certificates or documents required to be submitted with the technical & financial bids should also be prepared in duplicate and attached firmly with respective bids. Certificates should be attested by the firm. Original documents to be shown at the time of Technical bid evaluation.**
- (i) All the enclosures enclosed with the respective bids should be valid on the date of opening of the technical and financial bids and as per terms and conditions of bid.**
- (j) Each and every page of technical & financial bid including enclosures, certificates & affidavits or any relevant documents has to be signed by the authorized person with official stamp showing designation on entity. Otherwise bid will be rejected.**
- (k) Each and every page of technical & financial bid including enclosures, certificates, affidavits or any relevant documents to be numbered and list of page wise contents of this has to be prepared and attached at the start of each bid.**
- (l) Every cutting, erasures or overwriting shall be valid only if they have full signature of the persons signing the bid wherever the correction have been done.**

**(m)** Manufacturer/ authorized agent/ dealer/ supplier should not have previous records of being blacklisted in any part of India.

**(n)** Clearly mention, if there is any deviation in bid in comparison to that of desired specifications.

**(o)** It shall be the responsibility of the bidding firms to ensure presence of their authorized representatives at the time of opening of technical & financial bid opening and meeting there of and acquaint themselves with shortcomings in their bids, if any. No separate intimation will be sent to the tendering firms in this regard. Further bidder should furnish to his representative a letter of authority bearing representative's attested signatures.

**(p)** Dealer/Agent/Sales agent being bidder, shall have to ensure dispatch of items direct from factory premises to the purchaser.

**(q)** 0.5 % discount has to be allowed by the firm if timely payment is made, i.e., within 30 days from the acceptance of items. In the absence of any stipulation contrary to it, it will be presumed that the bidder agrees for this rebate.

**(r)** Details of payment condition: 100% payment after receipt, inspection, verification and acceptance of material within 30 days.

**(s)** In case any required documents, paper(s) is/ are found short at the time of opening of technical bid then bidder should give valid reasons for non submission of papers in his firm's technical bid. Only certain (not all) documents/ papers may be accepted up to one day before the opening of the financial bids. Decision of PCM (T) will be final in this regard.

**(t)** The quantities mentioned in the tender notice shall be deemed to be only approximate and will not in any manner whatsoever be binding on the department.

**(u)** Telex, cable or facsimile bids will be rejected.

**(v)** When the validity of certain documents called for has expired and renewal has been applied for but issuing authority has not issued the revalidated documents/ license; an affidavit on general stamp paper of Rs.100.00 should accompany the bid. Please do not forget to do this as bid otherwise is liable to be rejected.

**(w)** Only one Model will be acceptable in one bid. Otherwie bid will be rejected.

**3. (a) A certificate of registration of the manufacturer/ authorized agent/ dealer/ supplier with 'Directorate of Industries' of Government of India or any State Government must be enclosed with technical bid.**

**(b)** Acceptance of 0.5 % discount by the firm on timely payment, i.e., within 30 days from the acceptance of items should be mentioned in Technical Bid itself.

**(c)** The make of the items quoted must be clear and specified. Use of words like 'Indian Make' Best Quality, 'X' or equivalent make should be avoided. If any tendered item is 'Q' mark/ ISI mark/ EN standard/ ISO9001:2000 or equivalent, please enclose valid attested copies of 'Q' mark/ ISI mark/ EN standard/ ISO9001:2000 or equivalent registration certificate with technical bid, failing which their bids shall be ignored. If applied for renewal, proof of steps taken must be enclosed with technical bid along with expired license. Other thing being equal, 'Q' marked/ ISI marked/ EN standard or equivalent goods will be given preference.

**(d)** If any regulatory Act is applicable in item(s), then enclose copy of clearance certificate of the competent authority with technical bid.

**(e) Production capacity, capacity already committed to other parties and capacity available for this bid should be mentioned clearly and separately.**

**(f)** Bidders should give detailed description and specifications of each items and if required enclose catalogues, pamphlets, leaflets, literature or the articles tendered for (in duplicate). The name and address of the makers and country of manufacturers should also invariably be stated. The items offered should conform to the latest ISI/ EN/ISO9001:2000 standards or equivalent, wherever applicable.

**(g) Give statement if any supply is pending against any earlier order in your favor with technical bid.**

**(h)** Copies of the test reports of the items of bid.

- (i) In case of U.P. State firms, enclose valid 'sales/ trade tax registration certificate' and 'sales/ trade tax clearance certificate' in the prescribed form from the sales tax department. In case of outside U.P. firms, enclose valid 'C.S.T. registration certificate and 'C.S.T. clearance certificate'. The clearance certificates should not have been issued earlier than 364 days from the date of opening of tender.
  - (j) **Details of the delivery period should be provided in technical bid.**
  - (k) Documents of security, if asked for, have to be enclosed with technical bid.
  - (l) Details of quality control management system followed by the bidder may also be given with technical bid.**
  - (m) The supplier will supply goods and materials from time to time in such quantities as may be agreed in the contract at the rates set forth in the Price Schedule.
  - (n) Give any other special relevant information.
4. (a) The financial bid should be submitted in S.P.D.-3 format (in duplicate) duly filled in [ ] and signed by the authorized person. Bid not in duplicate shall be rejected. The Bidder [ ] shall indicate on the S.P.D.-3 format the unit prices and total bid prices of the goods it [ ] proposes to supply under the Contract.
- (b) Prices quoted by the Bidder shall be fixed for the Contract period and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.**
  - (c) Prices shall be quoted in Indian Rupees.
  - (d) Rates, discount, rebates, sales tax, excise duty or any other duties/ taxes should be written both in figures as well as in words and there should be no cuttings or overwriting.
  - (e) Quoting any conditions on discount which affects the quoted rates shall not be acceptable and such offer shall be rejected. Any discount given on quoted price as a whole shall however be acceptable.**
  - (f) Taxes such as excise, sales/ trade tax and net rates (net rate should include packing, forwarding, insurance, levies and other expenditures, if any) should be recorded separately and very clearly according to proforma of Price Schedule failing which offer may be rejected/ ignored. Any cutting/ corrections if any should be properly attested by the bidder.
  - (g) After opening of the financial bid, any change in the rates shall not be acceptable.
  - (h) No representation shall be entertained after opening of financial cover of tender.**

#### **C. BID FEES (TENDER FEES)**

- 5. (a) Bid fee should be deposited in the form of demand draft in favor of 'Addl. Director General of Fire Service U.P., Lucknow' payable at Lucknow.
- (b) The bid fee shall be denominated in Indian Rupees.
- (c) Copy of the bid fee deposited has to be enclosed with technical bid. Bidding firms claiming exemption from bid fee are required to enclose along with their bid, the photocopy of relevant G.O., if any.**
- (d) *Bid(s) without bid fees will not be considered.*

#### **D. BID SECURITY (EARNEST MONEY)**

- 6. (a) The Bidder shall furnish, as part of its bid, a bid security in the amount as specified in the tender notice. Bid security should be deposited in the form of demand draft in favor of "Addl. Director General of Fire Service U.P., Lucknow" payable at Lucknow.
- (b) Wherever bid security is asked for, the same shall have to be given/ submitted as desired along with the technical bid. Bids without bid security will be rejected.
- (c) The bid security is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture.
- (d) The bid security shall be denominated in Indian Rupees.
- (e) The bid security shall be submitted in its original form; copies will not be accepted.**
- (f) The bid security shall remain valid for a period of 45 days beyond the original validity period of bids.
- (g) Unsuccessful bidder's bid security will be discharged/ returned as promptly as possible.

- (h) The successful Bidder's bid security will be discharged upon the Bidder signing the Contract and furnishing the performance security.
- (i) The bid security may be forfeited:
  - (I) if a Bidder (i) withdraws its bid during the period of bid validity specified by the Bidder; or (ii) does not accept the correction of errors or
  - (II) in case of a successful Bidder, if the Bidder fails (i) to sign the Contract; or (ii) to furnish performance security.
- (j) Bidding firms claiming exemption from bid security are required to enclose along with their bid, the photocopy of relevant G.O., if any.
- (K) If a bidder who is exempted from furnishing bid security withdraws his proposal within the said period, he may, at the discretion of the Purchaser be debarred from tendering for a period decided by the purchaser reckoned from the date of opening the bid.**

#### **E. PERIOD OF VALIDITY OF BIDS**

- 7. Bids shall remain valid for a period mentioned in 'Special Terms and Conditions' mentioned with specifications of the tendered items prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 8. In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by telex or fax). The bid security provided also has to be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

#### **F. MODIFICATION AND WITHDRAWAL OF BIDS**

- 9. The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 10. The Bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched. A withdrawal notice may also be sent by telex or cable or fax but followed by a signed confirmation copy, post marked not later than the deadline for submission of bids.
- 11. If a bidder withdraws his bids in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder, the Purchaser may agree to allow such withdrawal but in such a case the bid security shall be forfeited. If the Purchaser does not allow such withdrawal and accept the bid and the bidder fails to perform his part of the contract, the bid security deposited shall be forfeited besides other consequences for breach of the contract.
- 12. No bid may be modified subsequent to the deadline for submission of bids.

#### **G. CLARIFICATION OF BIDS**

- 13. During evaluation of bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

#### **H. PRELIMINARY EXAMINATION OF BIDS**

- 14. **The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order. Bids from Agents, without proper authorization from the manufacturer, shall be treated as non-responsive and rejected.**
- 15. If the bid security furnished is inadequate for all the tendered items, the purchaser shall take the price bid into account only to the extent the bid is secured. For this purpose, the extent to which the bid is secured shall be determined by evaluating the requirement of bid security to be

- furnished for the tendered items included in his bid (offer) in the serial order of the items given in tender notice.
16. Numerical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the supplier does not accept the correction of errors, its bid will be rejected and its bid security may be forfeited.
  17. The Purchaser may waive any minor informality or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Bidder. Decision of PCM (T) will be final in this regard.
  18. Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. A substantially responsive bid is one which conforms to all the general and special terms and conditions of the bidding documents without material deviations. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
  19. If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

#### **I. EVALUATION AND COMPARISON OF BIDS**

20. The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive.
21. No bid will be considered if the complete requirements covered in the tendered item are not included in the bid. Bidders are allowed the option to bid for any one or more items.
22. The Purchaser's evaluation of a bid will exclude and not take into account in the case of goods manufactured in India or goods of foreign origin already located in India, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder.
23. Rates and other condition being equal, preference will be given to the manufacturing unit.
24. Price preference will be given in accordance with latest U.P. Government G.O.'s. The price preference can not be claimed as a matter of right. It can only be considered if firm's qualify for the same in terms of various G.O.'s issued by the Government of U.P. from time to time.

#### **J. CONTACTING THE PURCHASER**

25. No Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the purchaser, it should do so in writing.
26. Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

#### **K. NOTIFICATION OF AWARD**

27. Prior to the expiration of the period of bid validity, the Purchaser will notify the successful bidder in writing by registered letter or by telex or fax, to be confirmed in writing by registered letter, that its bid has been accepted.
28. The notification of award will constitute the formation of the Contract.
29. Upon the successful Bidder's furnishing of performance security, insurance etc. pursuant to special terms and conditions mentioned with the specifications of the tendered items, the Purchaser will promptly discharge the bid security to all unsuccessful bidders.

#### **L. SIGNING OF CONTRACT**

30. At the same time as the Purchaser notifies the successful bidder that its bid has been accepted, the Purchaser will send the bidder the Contract Form incorporating all agreements between the parties.
31. Within 21 days of receipt of the Contract Form, the successful bidder shall sign and date the Contract and return it to the Purchaser.

## **M. PERFORMANCE SECURITY**

32. Within 30 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the 'special terms and conditions' of bid, in such form of 'Bank Guarantee' in favor of 'Inspector General of Fire Service U.P., Lucknow' payable at Lucknow.
33. The Performance Security shall be denominated in Indian Rupees and shall be in one of the forms acceptable to the Purchaser. Bidding firms claiming exemption from performance security are required to enclose along with their bid, the photocopy of relevant G.O., if any.

## **N. INSURANCE**

34. Within 30 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the insurance in accordance with the 'special terms and conditions' of bid, in such form which is acceptable to the Purchaser.
35. Failure of the successful bidder to comply with the requirement of above clauses 32 and 34 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next evaluated bidder or call for new bids.

## **O. CORRUPT OR FRAUDULENT PRACTICES**

36. The Purchaser requires that Bidders/ Suppliers/ Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.
37. The Purchaser will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to participate in tenders of its department if it at any time determines that they have, directly or through an agent, engaged, in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing a contract.

## **P. SAMPLES, INSPECTIONS AND TESTS**

38. Bid samples are not required unless specially called for. Quoting items without samples where these are called for, the bid of the firm may be ignored.
39. **Samples have to be demonstrated if asked for. The goods or materials to be supplied under the contract are to be of the quality or sort in every respect equal and answerable to the patterns or sample sent with the quotations and approved by the Purchaser.**
40. The Purchaser reserves the right to call, by notice in writing, for sample(s) at any time during the realization of the bid. On such a demand, the bidding firms shall have to submit samples within the period prescribed in such number/ quantity as the Purchaser may deem fit. Failure to supply with this request shall make the bid liable to be rejected.
41. The Purchaser, or the indenting officer or any other officer or person duly authorized in writing by the Purchaser shall have power to inspect the stores before during and after manufacture, collection, dispatch transit or arrival and to reject the same or any part of portion, If he or they be not satisfied that the same is equal or according to sample or specification in weights, quantity and number.
42. The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
43. Goods or materials rejected or refused on the ground of inferior quality or any other ground shall be removed by the supplier at his own risk and expense within seven days after notice has been received by him of such rejection. In the event of non-removal by the supplier as aforesaid within the said period of seven days it shall be lawful for the Purchaser to authorize the indenting officer to sell by public auction any rejected material or goods, and in such case the supplier shall be credited with the sales proceeds thereof but will

not be entitled to any loss or damage that may be occasioned by such sale. If the contractor is not satisfied with the decision of the authority rejecting or refusing the goods, he may appeal to the Purchaser within five days of the receipt of such notice, and the decision of the Purchaser will be final in all cases.

#### **Q. PACKING**

44. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
45. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements specified in any subsequent instructions ordered by the Purchaser.

#### **R. SIGNING OF BID**

46. (a) The bid is liable to be ignored if complete information is not given therein. If bidding firms are in disagreement with certain conditions given therein in full or part, they should clearly bring out the same in their bid, failing which it shall be presumed that they agree with all the conditions given therein. It may please be noted carefully that till such time a fresh agreement is drawn embodying the agreed conditions the conditions, given in shall govern the contract.
- (b) If the bidders are Agent /Dealer/Supplier, they should submit an authority of their principal (*in prescribed format*) along with proof of manufacturing of principal firm for quoted item(s).
- (c) The individual signing the bid and/or other documents connected with a contract must write his name in block letters under his signatures. He has to sign the bid and all the enclosures on each and every paper submitted by him.
- (d) The individual signing the bids and/or other document should specify whether-
  - (i) He is sole proprietor of the firm or constitutes attorney of such sole proprietor,
  - (ii) A partner of the firm if it be a partnership firm, in which case he must have authority to refer to arbitration dispute concerning the business of the partnership by virtue of partnership agreement or a power of attorney.
  - (iii) Constituted attorney of the firm if it is a company under the meaning of Company Law.
  - (iv) Managing director/ president/ chairman /company secretary in case of limited company having authorization for committing the company from its board of directors or as is required under company laws, and
  - (v) President or Secretary in case of registered co-operative society having such powers through laws/by-laws or by special resolution.
  - (vi) In case of (ii) above, a copy of partnership agreement or general power of attorney, in either case attested by a Notary public should be furnished unless the same has been previously given to the Purchaser or an affidavit on stamped paper of all the partners admitting execution of partnership agreement or general power of attorney should be furnished.**
  - (vii) In case of partnership firms, where no authority to refer disputes concerning the business of the partnership to arbitration has been conferred on any partner, the bid and all documents attached thereto must be signed by each and every partner of the firm.
  - (viii) A person signing the bid form or any documents forming part of the contract on behalf of another shall be deemed to warrant that he has authority to bind such other and if on enquiry it appears that the person so signing had no authority to do so the Purchaser may

without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all costs and damages.

(ix) In other cases, the resolution/ authorization/ attorney should be submitted with the bid, if not already done, duly attest by Notary public.

#### **S. PRICES**

47. (a) (i) In the case charges being extra, please give the current rates that are applicable on the item(s) quoted.  
(ii) If it is decided by the bidder to charge excise duty extra wherever the duty is leviable on slab basis, the bidding firms should clearly indicate duty that shall be charged by them in case their bid is accepted which shall be paid accordingly. No claim thereafter for extra excise duty shall be tenable on the ground of the bidder having crossed a particular slab. In the absence of the information in the bid, if extra duty has been claimed for the purposes of comparison of rates, duty at full rates shall be given into consideration.
- (b) (i) If it is desired by the bidder to ask for sales tax to be paid extra, the same must be specifically stated. In the absence of any such stipulation in the bid it shall be presumed for all purposes that the price quoted by the bidder is inclusive of sales tax and no liability for payment of sales tax will be developed upon the purchaser.  
(ii) Bidders, demanding sales tax extra, will be paid sales tax at the rates prevailing at time of supply.

#### **T. AUTHORITY LETTER**

48. (a) **The bidding firms (if not manufacturer of the item) should submit along with their bid an authority letter from their principals (who should be manufacturer) that they are their authorized agents/ dealers/ stockiest. It shall be the duty of the bidder as well as principal to inform the department any material change that takes place in the above agreement during the finalization/ pendency of the contract. Failure to do so may entail civil as well as criminal liability and this is without prejudice to the Purchaser rights to cancel the order or take such necessary action as it may deem fit.**
- (b) The authority letter should be speaking and specific and should clearly bring out the relation of principal and agent/ dealer/ stockists as the case may be. It should speak of territory and acts assigned to the agent/ dealer/ stockists.
- (c) The principal should commit themselves through this authority letter for shortcomings/ defects/sub-standard supplies/supplies not according to norms or law of land etc.
- (d) *Vague authority letters, business letters, shall not be considered as authority letters and such bid may be ignored outright.*

#### **U. GENERAL**

49. No assistance for the procurement of Import License for any material will be given by the Purchaser unless otherwise specified in the tender notice.
50. **The contractor shall not sublet or assign this contract with out the written permission of the Purchaser. In the event of the contractor sub-letting or assigning this contract without such permission he shall be considered as having committed a breach of this contract.**
51. In case of non performance in any form or shape of the condition of this contract, the Purchaser shall have power to annul, rescind or cancel the contract and upon his notifying in writing to the supplier that he has done so, this contract shall absolutely determine. He may also debar the firm for the U.P. Fire Service Head Quarter, U.P., Lucknow contracts for such periods as he thinks fit.
52. Without prejudice to any other remedy provided by law any amount due from the supplier to the governor will be recoverable as arrears of land revenue and may also be recovered by deduction from any amount due from the governor to the supplier on any account under any other transaction.



53. With every dispatch of goods or materials under the arrangement invoices or bills of parcels in duplicate are to be sent by the supplier to the Indenting Officer, the duplicate to be returned by the indenting officer with the quantities or number received duly noted there on.
54. (a) All disputers arising out of this contract shall be subject to the provisions of Indian Arbitration Act, 1940 and subsequent amendments thereof. Disputes not covered under the arbitration provisions shall be subject to the territorial jurisdiction of Lucknow Courts only.
- (b) The contracts shall be governed by the Force Majeure Clause as specified below:  
“If at any time during the continuance of this contract the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reasons of any war, hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, strikes, lock-outs, explosions, epidemics quarantine restrictions or other acts of God, King, Government or rural (hereinafter referred to as eventualities) then, provided notice of the happening of any such eventuality is given by either party to the other within 15 days from the date of occurrence thereof neither party shall be reason of such eventuality be entitled to terminate this contract nor shall, either party have any claim for damages against the other in respect of such non-performance or delay in performance; and deliveries under this contract shall be resumed as soon as practicable after such eventuality has come to an end or ceased to exist, and the decision of the Purchaser as to whether the deliveries have to be so resumed shall be final and conclusive.

## **V. IMPORTANT NOTE**

### **58. Inspection:**

Inspection of the item will be done as per terms & condition given in Technical specification.

59. **Any action taken in good faith in the interest of Public Safety will be acceptable to all bidders and can not be challenged in any Court under Jurisdiction causing delay in the process.**
60. In case of imported items, all document of import viz. Bill of landing, custom clearance, shipping, insurance, certificate of country of origin e.t.c shall be submitted to the department along with the Bill for verification.
61. The negotiation would be held with any tenderer as per Govt. order.
62. A Certificate of the registration by N.S.I.C/S.S.I shall be made submitted with the bids
- 63- Bidders should ensure compliance of all the Terms & conditions of **Annexure-A**
- 64- Compliance of paras shown in bold letter is must. Otherwise tender will be rejected.
- 65- Bidder should Fill attached Check List **Annexure-II** (Sl.No. 1 to 13) incomplete information will not be acceptable and bid will be rejected.

**(P. K. Rao)**  
**Joint Director,**  
Fire Service Headquarter  
U.P. LUCKNOW

**CHECK LIST FOR TENDERERS**

**TENDERER SHOULD NOT FORGET TO ENCLOSE THE REQUIRED DOCUMENTS  
ALONG WITH YOUR BID, FAILING WHICH THE BID WILL BE REJECTED.**

		YES/NO	Page No. of Bid Document
1	Prescribed Bid/ Tender Fee of Rs..... DD No..... Dt.....		
2(a)	Bid Security (Earnest Money) of Rs..... Bank Guarantee/ DD No..... Dt.....		
2(b)	Proof of waiver of bid fees, bid security, performance security, if any ( Photo copy of valid Proof )		
3	Technical bid with all enclosures in duplicate in sealed envelops. (No of enclosures with ..... page No.on each page.)		
4	Financial bid in duplicate in sealed separate envelops.		
5	Page numbering of technical and financial bids including enclosures.(Total page No. of technical bid.)		
6	Signature of authorized persons along with official seal on each and every page of technical bids.		
7	Valid registration certificate of NSIC Directorate of Industries of Government of India/ State Governments.(only for manufacturer)		
8	Attested copy of PAN card./TAN/TIN		
9(a)	Valid Sales/ Trade Tax Registration Certificate (in case of U.P. firms).		
9(b)	Valid CST Registration Certificate (in case of outside U.P. firms).		
10	Acceptance for condition of 0.5% discount if payment is made within 30 days from the date of acceptance of material.		
11 (a)	In case of manufacturer of tendered items, enclose certificate of proof in this regard.		
11 (b)	In case you are not manufacture of tendered items, authorization letter(s) of your principal(s) to participate in this tender whose product(s) has/ have been quoted by you. Name of principal-----address.: ----- Phone No./Mob. No.-----		
11 (c)	In case you are not manufacture of tendered items, certificate from your principal(s) regarding proof of manufacturing of tendered items.		
12	Declaraton -Tenderer must submit an affidavit verified by the Notary on Non Judicial Stamp paper of Rs.100/- stating that the Tenderer /Firm has no criminal Background.		
13	Bid Affidavit on Rs.100/- Non Judicial Stamp paper verified by the Notary.		

**निविदा की नियम व शर्तें**

1—टेक्निकल बिड व फाइनेन्शियल बिड दो-दो प्रतियों (ओरिजनल एवं डुप्लीकेट में) अर्थात् कुल चार सील बन्द लिफाफे जिन्हे एक लिफाफे में सील बन्द करके रखा जायेगा, प्रस्तुत की जायेगी। प्रत्येक लिफाफों के उपर लाल स्याही से उपकरण का नाम व दिनांक तथा निविदा संख्या का स्पष्ट उल्लेख होना चाहिये। टेक्निकल बिड के ओरिजनल लिफाफा नं० 1 में अर्नेस्ट मनी (मूल रूप में) सहित उपकरणों के साहित्य व माँगे गये अन्य अभिलेख संलग्न होने चाहिये। इसी प्रकार टेक्निकल बिड(डुप्लीकेट) लिफाफा नं. 2 में, टेक्निकल बिड नं०-1 में कार्यालय द्वारा निर्गत ओरिजनल एस0पी0डी0-3(प्रारूप संलग्न है) ,अर्नेस्ट मनी, गारन्टी की अवधि तथा समस्त अभिलेखों की छाया प्रतियाँ संलग्न की जानी चाहिये। टेक्निकल बिड में उपकरणों के मूल्य कदापि अंकित नहीं होने चाहिये अन्यथा निविदा निरस्त कर दी जायेगी। इसी प्रकार फाइनेन्शियल बिड का लिफाफा नम्बर-3 ओरिजनल होगा जिसमें कार्यालय द्वारा निर्गत एस0पी0डी0-3 की छाया प्रति सहित उपकरणों के मूल्य, आपूर्ति की अवधि, गारन्टी की अवधि इत्यादि तथ्य अंकित किये जायेगे। फाइनेन्शियल बिड के लिफाफा नम्बर-4 (डुप्लीकेट) में लिफाफा नं०-3 में अंकित/संलग्न की गयी सूचनाओं की छायाप्रतियाँ लगायी जायेगी। चारों ही लिफाफों में टेण्डर फार्म का प्रारूप/एस.पी.डी.-3 फार्म अवश्य ही संलग्न होना चाहिये।

2— अपूर्ण निविदायें, बिना अर्नेस्ट मनी के प्रस्तुत निविदा, प्रथम दृष्टया तकनीकी विशिष्टताओं को पूरा न करने वाली निविदाओं पर विचार नहीं किया जायेगा।

3— टेक्निकल बिड में उपकरणों की निर्माता कम्पनी का नाम, भारत वर्ष में सर्विस सेन्टर इत्यादि का उल्लेख होना चाहिए।

4— निर्धारित तिथि समय एवं स्थान पर उपकरण का प्रदर्शन देखा जायेगा,जिसकी सूचना समय से दिया जायेगा।

5— ऐसी फर्म जो डी.जी.एस. एण्ड डी. नई दिल्ली, एन.एस.आई.सी. नई दिल्ली, डी.आई. कानपुर, यू.पी. एस.आई.सी. कानपुर में पंजीकृत नहीं है, उन्हें निविदा के साथ अर्नेस्ट मनी जमा करना अनिवार्य होगा अन्यथा उनकी निविदा निरस्त कर दी जायेगी। अर्नेस्ट मनी से छूट प्राप्ति हेतु पात्रता रखने वाली फर्म को उक्त संस्थान में पंजीकृत होने का प्रमाण पत्र संलग्न करना अनिवार्य होगा।

6—शासन द्वारा निर्धारित क्रय की समयावधि तक निविदा वैध मानी जायेगी।

7—भुगतान उपकरण की संतोषजनक आपूर्ति सुनिश्चित हो जाने के पश्चात नियमानुसार देय करों की कटौती करके किया जायेगा। भुगतान में विलम्बता की स्थिति में किसी प्रकार का ब्याज देय नहीं होगा।

8— उपकरण की आपूर्ति अग्निषमन रिजर्व स्टोर, चौक, लखनऊ(उ0प्र0) अथवा उ0प्र0 फायर सर्विस मुख्यालय, लखनऊ के निर्देशानुसार प्रदेश के किसी भी जनपद में (जो जैसी स्थिति है) प्राप्त की जायेगी जिसके लिये कोई अतिरिक्त किराया भाड़ा, चार्ज, इन्श्योरेंस चार्ज इत्यादि भुगतान नहीं किया जायेगा।

9—उपकरण का मूल्य एवं देय टैक्स अलग-2 प्रस्तुत किये जाए। आपूर्ति आदेश में अंकित धनराशि के अलावा किसी प्रकार का अतिरिक्त भुगतान नहीं किया जायेगा।

10—आयातित उपकरणों के मामलों में निर्माता विदेशी कम्पनी द्वारा अधिकृत डीलरों/एजेन्टों द्वारा ही निविदा प्रस्तुत की जाये। इस सम्बन्ध में निर्माता, विदेशी कम्पनी द्वारा निर्गत निविदा प्रस्तुत करने वाली फर्म के पक्ष में भारत वर्ष में उनके उपकरणों के विक्रय/गारन्टी/वारन्टी हेतु प्राधिकृत के सम्बन्ध में अद्यतन प्राधिकार पत्र टेक्निकल बिड में संलग्न करना अनिवार्य होगा अन्यथा निविदा स्वतः निरस्त समझी जायेगी। इस सम्बन्ध में निर्माता विदेशी कम्पनी के भारत वर्ष में अधिकृत एजेन्ट/वितरक द्वारा किसी अन्य फर्म के पक्ष में निर्गत प्राधिकार पत्र मान्य नहीं होगा। इस सम्बन्ध में निर्माता विदेशी कम्पनी द्वारा निम्न तथ्यों की पुष्टि की जानी होगी:-

(1) निविदा प्रस्तुत करने वाली फर्म उनके द्वारा प्राधिकृत है तथा उपकरण उनकी फर्म द्वारा निर्मित है।

(2) निविदा प्रस्तुत करने वाली फर्म उनकी तरफ से निविदा प्रस्तुत कर सकती है।

**(3)** उपकरण की गारन्टी अवधि समाप्त हो जाने के पश्चात यदि उनके द्वारा प्राधिकृत एजेन्ट वारन्टी की सेवायें देने के असफल होंगे तो वारन्टी/उपकरणों के स्पेयर पार्ट्स इत्यादि उपलब्ध कराने की जिम्मेदारी उनकी होगी।

**11**—यदि प्रोपराइटरी श्रेणी के अन्तर्गत है तो इस सम्बन्ध में निर्माता विदेशी कम्पनी का सर्टीफिकेट उपलब्ध कराना होगा।

**12**—उपकरण की आपूर्ति में असफल रहने पर जमानत धनराशि जब्त करने,, फर्म को काली सूची में डाले जाने, नियमानुसार अन्य वैधानिक कार्यवाही किये जाने का अधिकार अधोहस्ताक्षरी के पास सुरक्षित है।

**13**—निविदादाता फर्म को पिछले 3 वर्ष का वार्षिक टर्न ओवर के सम्बन्ध में अभिलेख प्रस्तुत करना होगा।

**14**—निविदादाता फर्म को 100.00 रुपये के स्टैम्प पेपर पर इस बात का शपथ-पत्र (नोटरी) प्रस्तुत करना होगा कि उनकी फर्म को किसी भी सरकारी विभाग द्वारा काली सूची में नहीं डाला गया है। यह प्रमाणपत्र 6 माह से अधिक अवधि का नहीं होगा।

**15**—निविदा प्रस्तुतकर्ता फर्म के स्वामी/अधिकृत एजेन्ट/वितरको को प्रत्येक निविदा की तकनीकी बिड के साथ वांछित समस्त प्रमाण-पत्र यथा आयकर विभाग, व्यापार कर विभाग तथा रु0 100/- मात्र का नान जुडिसियल स्टाम्प पेपर पर निविदादाता फर्म/कम्पनी इस आशय का प्रमाण पत्र प्रस्तुत करेगा कि निविदादाता फर्म/कम्पनी की कोई आपराधिक पृष्ठभूमि नहीं है, जो नोटरी द्वारा सत्यापित भी होगा के अभाव में निविदा पर विचार नहीं किया जायेगा।

**16**—आपूर्ति हेतु आदेशित फर्म को आपूर्ति आदेश प्राप्त करने के पूर्व 100 रुपये के स्टैम्प पेपर पर कयानुबन्ध हस्ताक्षरित करना होगा जिसमें उपकरणों की आपूर्ति का शेडयूल गारन्टी, वारन्टी पेनाल्टी क्लोज, भुगतान इत्यादि का विवरण होगा। अनुबन्ध पत्र के साथ 10 प्रतिशत जमानत धनराशि जो कि अपर पुलिस महानिदेशक, फायर सर्विस, उ0प्र0 लखनऊ के पक्ष में देय होगी (प्रस्तर-4 के अनुसार ) जो कम से कम एक वर्ष तक वैध हो संलग्न करनी होगी। उक्त जमानत धनराशि उपकरणों के एक वर्ष तक सफल संचालन के पश्चात लौटायी जा सकती है।

**17**—निविदादाता फर्म को उपकरण की आपूर्ति करते समय इस बात का लिखित प्रमाण पत्र देना होगा कि उनके द्वारा जो उपकरण सम्पूर्ति किया जा रहा है वही उपकरण प्रदर्शन के दौरान प्रदर्शित किया गया था तथा उसी ही उपकरण की निविदा टेक्निकल बिड में भी प्रस्तुत की गयी है। इस सम्बन्ध में आपूर्ति के अवसर पर वांछित प्रपत्र में उपकरण का माडल, सीरियल नम्बर, निर्माता कम्पनी का नाम/पता, व साथ ही वारन्टी कार्ड भी संलग्न किया जाना आवश्यक होगा।

**18**— यदि भविष्य में आपूर्ति उपकरण डुप्लीकेट पाया गया तो फर्म के विरुद्ध नियमानुसार वैधानिक कार्यवाही की जायेगी।

**19**— आपूर्ति के अवसर पर फर्म द्वारा प्रत्येक उपकरण के लिये अलग-2 आपरेटिंग एण्ड मेन्टीनेन्स मैनुअल (यथासंभव हिन्दी में) उपलब्ध कराना अनिवार्य होगा अन्यथा उपकरण की प्राप्ति स्वीकार नहीं की जायेगी। इस सम्बन्ध में फर्म को अपने निजी व्यय पर उपकरण संचालन के सम्बन्ध में आवश्यक प्रशिक्षण अग्निषमन कर्मियों को अग्निषमन रिजर्व स्टोर, चौक, लखनऊ(उ0प्र0) में प्रदान किया जाना होगा। यह प्रशिक्षण उ0प्र0 में अन्य जनपदों में भी जिन्हे उपकरण वितरित किये गये हैं, आयोजित कराया जा सकता है जिसके लिये किसी प्रकार की अतिरिक्त धनराशि देय नहीं होगी।

**20**—फर्म को उपकरण सप्लाय के क्षेत्र में पिछले 05 वर्षों के अनुभव के सम्बन्ध में प्रमाण पत्र प्रस्तुत करना होगा तथा कस्टमर (विशेषकर देश के विभिन्न प्रदेशों के सरकारी कार्यालय) की सूची उपलब्ध करानी होगी, जिन्हे उनके द्वारा उपकरण की आपूर्ति पूर्व में की गयी है।

**21**—यदि उक्त उपकरण का मूल्य रुपये 10 लाख से अधिक है (टैक्स छोड़कर) तो फर्म को 2 प्रतिशत इन्ट्रीटैक्स ट्रेजरी चालान के रूप में नकद फायर सर्विस मुख्यालय, उत्तर प्रदेश, लखनऊ में आकर जमा करना होगा जिसका समायोजन बिल में से किया जायेगा।

**22** —उपकरणों के प्रदर्शन के दौरान प्रदर्शित किये गये फर्म के सैम्पुल उ0प्र0 फायर सर्विस मुख्यालय, लखनऊ की अभिरक्षा में अस्थाई रूप से रखे जायेंगे जिसपर मार्कर पेन से हस्ताक्षर किया जायेगा।

प्रदर्शन आख्या तैयार करने के पश्चात जिस फर्म के उपकरण स्पेशीफिकेशन के अनुरूप नहीं पाये जायेंगे उन्हें उनका उपकरण वापस कर दिया जायेगा तथा प्रदर्शन में सफल पायी गयी फर्मों का उपकरण तब तक फायर सर्विस मुख्यालय की अभिरक्षा में रखा जायेगा जब तक कि आपूर्ति हेतु आदेशित की जाने वाली फर्म को चिन्हित न कर लिया जाये। अन्तिम रूप से केवल आपूर्ति हेतु आदेशित फर्म द्वारा प्रदर्शन के दौरान प्रदर्शित सैम्पुल को तब तक फायर सर्विस मुख्यालय, उत्तर प्रदेश, लखनऊ में फायर सर्विस मुख्यालय, उत्तर प्रदेश, लखनऊ में की अभिरक्षा में रखा जायेगा जब तक कि उनके द्वारा आपूर्ति सुनिश्चित न कर दी जाये। इस मध्य यदि उन्हें कही और उपकरण प्रदर्शन दिखाये जाने हेतु उपकरण की आवश्यकता होगी तो उन्हें उपकरण का सैम्पुल अस्थाई रूप से प्रदान किये जाने का निर्णय लिया जा सकता है व फायर सर्विस मुख्यालय, उत्तर प्रदेश, लखनऊ का इस संबंध में लिया गया निर्णय ही अंतिम होगा।

23—निविदादाता फर्म को स्पेशीफिकेशन में अंकित टर्म्स एण्ड कन्डीशन फार आपटर सेल्स सर्विस/मेन्टीनेन्स एण्ड स्पेयर्स, सपोर्ट एण्ड इन्फ्रास्ट्रक्चर फार मेन्टीनेन्स, डिमान्सट्रेशन के सम्बन्ध में निर्धारित शर्तों को पालन करना होगा।

24—उपकरणों की गारण्टी अवधि जो कि 01 वर्ष की होगी, की गणना उपकरण के अधिष्ठापन के तिथि से की जायेगी।

25—तकनीकी निविदा के साथ प्रस्तुत उपकरणों के साहित्य (Litrature) में अंकित समस्त सहवर्ती उपकरण यथा टूलकिट आदि जैसा भी वर्णित हो की आपूर्ति निविदादाता को करनी होगी अर्थात् वित्तीय निविदा समस्त सहवर्ती उपकरणों को जोड़कर प्रस्तुत की जाय।

26— निविदा में किसी भी सहवर्ती उपकरण को व्जपवदंस के रूप में अंकित किया जाना मान्य नहीं होगा और न ही उसका कोई मूल्य वित्तीय निविदा में प्रस्तुत किया जायेगा। यदि ऐसा किया जाता है तो यह माना जायेगा कि निविदादाता द्वारा प्रस्तुत दर कपटपूर्ण है और उसकी निविदा निरस्त कर दी जायेगी।

27—टेक्निकल बिड में प्रस्तुत उपकरण का मूल साहित्य (Original Litrature) संलग्न करना अनिवार्य होगा। छाया प्रति अथवा किसी अन्य माध्यम से प्राप्त की गयी प्रति मान्य नहीं होगी तथा निविदा निरस्त कर दी जायेगी।

28—फाइनेंशियल बिड में एक से अधिक मूल्य अंकित करने पर निविदा निरस्त कर दी जायेगी।

29—विदेशी आयातीत उपकरण के संबंध में बिल आफ इन्ट्री, सी0ई0, ई0एन0 सर्टिफिकेट उपकरण के निरीक्षण के समय निरीक्षण कमेटी के समक्ष फर्म द्वारा प्रस्तुत किया जाना होगा।

30— उपकरण का नमूना तकनीकी आफर के परीक्षण के समय फायर सर्विस मुख्यालय में प्रस्तुत करना होगा। तकनीकी आफर के परीक्षण की तिथि से पूर्व से फर्म को सूचित किया जायेगा। यदि फर्म द्वारा नमूना प्रस्तुत नहीं किया जाता है तो निविदा पर विचार नहीं किया जायेगा।

31—उ0प्र0 फायर सर्विस मुख्यालय, लखनऊ अथवा अन्य सरकारी संस्थानों द्वारा जिन फर्मों को काली सूची में डाला गया है या संदिग्ध घोषित किया गया है उनकी निविदा पर विचार नहीं किया जायेगा।

32—उद्योग निदेशालय तथा एन0एस0आई0सी0 द्वारा अनुमोदित फर्मों की निविदा पर ही विचार किया जायेगा। जिस उपकरण के निर्माण हेतु फर्म द्वारा निविदा द्वारा प्रस्तुत की गयी है यदि उस उपकरण के निर्माण हेतु उद्योग निदेशालय अथवा एन0एस0आई0सी0 द्वारा फर्म को पंजीकृत नहीं किया गया है तो निविदा पर विचार नहीं किया जायेगा। (यह शर्त उन अग्निषमन संयन्त्रों/मशीनों पर लागू होगा, जिनका फेब्रीकेशन किया जाना है।)

33—निविदा के सभी संबंधित कालम हां या नहीं शब्दों में भरा जायेगा। अन्यथा आफर पर विचार नहीं किया जायेगा।

34—चेकलिस्ट के सभी कालम को पूर्ण कर प्रस्तुत किया जाय तथा संबंधित अभिलेख संलग्न करते हुए अभिलेख का क्रमांक चेकलिस्ट के संबंधित कालम में अंकित किया जाय। चेकलिस्ट को पूर्ण न करने की स्थिति में आफर पर विचार नहीं किया जायेगा।

**35**—वित्तीय आफर खोलते समय फर्म के प्रतिनिधियों की उपस्थिति आवश्यक है। प्रतिनिधि के अनुपस्थित रहने पर संबंधित फर्म को वित्तीय आफर खोलने के बाद इस संबंध में किसी प्रकार की सूचना नहीं दी जायेगी। जिससे क्रय की प्रक्रिया बाधित हो रही हो।

**36**—ट्रान्सपोर्टेशन चार्जेज उपकरण के बेसिक प्राइस(Basic Price) में सम्मिलित करके वित्तीय आफर प्रस्तुत किया जायेगा, अन्यथा विचार नहीं किया जायेगा।

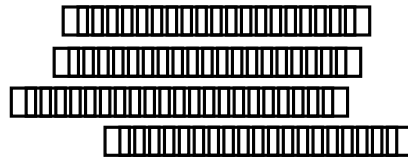
**37**—निविदादाता आफर के साथ यह भी सूचना उपलब्ध करायेगा कि संबंधित उपकरण पिछले तीन वर्षों में भारतवर्ष में कहां-कहां सम्पूर्ति किये गये हैं। संस्थानों द्वारा निर्गत परचेज आर्डर की सत्यापित छायाप्रति संलग्न की जाय अन्यथा प्रमाण के अभाव में आफर अस्वीकृत कर दिया जायेगा।

**38**—आफर की वैधता अवधि वित्तीय आफर खोलने की तिथि से 180 दिवस होगी।

**39**—वित्तीय आफर खोलते समय न्यूनतम प्रथम मूल्य प्रस्तुत करने वाली फर्म की निर्माण/मैनुफैक्चरिंग क्षमता उद्योग निदेशालय एवं एन0एस0आई0सी0 द्वारा निर्गत रजिस्ट्रेशन में दिये गये क्षमता को ध्यान में रखते हुए ही क्रयादेश जारी करने पर विचार किया जायेगा। क्षमता से अधिक अर्थात् शेष बचे बाड़ी निर्माण कार्यों को अन्य फर्म जिनके वित्तीय आफर खोले गये हैं, से न्यूनतम प्रथम मूल्य पर कार्य करने की सहमति प्राप्त होने पर उनसे बाड़ी निर्माण कार्य कराने पर विचार किया जायेगा।

**40**— वित्तीय आफर खोलते समय न्यूनतम प्रथम आने वाली फर्म के उपस्थित प्रतिनिधि को संसूचित करने के पश्चात 07 दिवस के अन्दर वांछित बैंक गारण्टी, चेसिसों की इन्श्योरेन्स एवं अन्य वांछित अभिलेख लेकर फर्म के अधिकृत प्रतिनिधि को क्रय अनुबन्ध करने हेतु फायर सर्विस मुख्यालय, लखनऊ में उपस्थित होना होगा।

**41**—निर्धारित नियम व शर्तों में आवश्यकतानुसार अतिरिक्त शर्तें भी जोड़ी जा सकती है जिसका पालन करना फर्मों को अनिवार्य होगा।



(पी0 के0 राव),  
संयुक्त निदेशक,  
फायर सर्विस उत्तर प्रदेश,  
लखनऊ।

**TENDER FORM**  
**GOVERNMENT OF UTTAR PRADESH**  
**DIRECTOR GENERAL OF UTTAR PRADESH FIRE SERVICE, LUCKNOW.**  
**CONDITIONS OF AGREEMENT**

1- The arrangement is to last till but in the event of any breach of the terms of arrangement at any time on the part of the supplier the arrangement shall be determined summarily by the Director General/Addl. Director General of U.P. fire service, without compensation to the supplier.

2- The supplier will supply goods and materials from time to time in such quantities as may be entered in the indents sent at the rates set forth in the Schedule of rates at page(4).

3- The goods and materials to be supplied under the arrangements are to be of the quality or sort in every respect equal and answerable to the patterns or sample sent with the quotations and approved by The Director General/Addl. Director General of U.P. fire service. In the event of supplies not being up to the sealed sample accepted, but good enough for retention, the goods supplied may either be retained at a reduction in cost not exceeding 10 percent of the total value or be returned to the supplier in accordance with paragraph 10 below at the option of the Indenting Officer. The goods may only be retained at a reduction if the supplier agrees.

4- The Director General/Addl. Director General of U.P. fire service may, by notice in writing, call upon the supplier to supply additional goods and materials to serve as sample, and upon such notice in writing the supplier shall be bound to supply additional sample of goods and materials, such additional samples being in all respects of same quality or sort as the sample first supplied.

5. (a) All rates are to be based on delivery, securely packed, and F.O.R. station nearest to suppliers are Indenting Officers as asked for in the tender notice.

(b) Railway freights, If pre-paid, shall be added to original quotations.

(c) When goods are ordered F.O.R. the station nearest to supplier, the Indenting Officer may at his option direct that this shall be booked either by goods train or by passenger train and either at owner's risk or at railway risk. The supplier shall carry out his direction and shall in any case be responsible for the safe delivery of the goods soundly and securely packed to the Railway Administration and shall obtain from such Railway Administration a clear receipt for the goods in evidence thereof. In the absence of a clear receipt the suppliers will be held responsible for all damages or loss caused by breakage or leakage which may occur to the goods while in transit and until they have been delivered to the consignee at Railway station of destination.

(d) When goods are ordered F.O.R. station of destination, the supplier shall be required to bear all risks of loss, leakage or damage and shall deliver the goods in good order to the consignee at railway station of destination, mentioned in the indent, in such quantities or number and with in such time and in such manner as the Indenting Officer shall, from time to time, direct.

6. Unless when specially ordered in the order accompanying the indent, all goods must be despatched with in 14 days of the receipt of indent by the supplier.

7. With every despatch of goods or materials under the arrangement invoices or bills of parcels in duplicate are to be sent by the supplier to the Indenting Officer, the duplicate to be returned by the Indenting Officer with the quantities or number received duly noted there on.

8. Conditions as to time for performance whether laid down herein or in the indent, shall be always regarded as the essence of the arrangement.

9. The Director General/Addl. Director General of U.P. fire service or the Indenting Officer or any other Officer or person Duly authorized in writing by the Director General/Addl. Director General of U.P. fire service shall have power to inspect the stores before during and after manufacture, collection, despatch transit or arrival and to reject the same or any part of portion, If he or they be not satisfied that the same is equal or according to sample or specification in weights, quantity and number.

10. Goods or materials rejected or refused on the ground of inferior quality or any other ground shall be removed by the supplier at his own risk and expense with in 10 days after notice been received by him of such rejection. In the event of non removal by the supplier as aforesaid with in the said period of 10 days, it shall be law full for the Director General/Addl. Director General of U.P. fire service to authorise the Indenting officer to sell by public auction any rejected materials or goods and in such cases the supplier shall be credited with the sale proceeds thereof but will not be entitled to any loss or damage that may be occasioned by such sale. If the contractor is not satisfied with the decision of the authority rejecting or refusing the goods, he may appeal to the Director General/Addl. Director General of U.P. fire service with in 5 days of the receipt of such notice, and the decision of the Director General of Police Fire Service Uttar Pradesh, will be final in all cases.

11. The system of payment shall be as follows:-

Bill in triplicate shall be sent by the supplier to Indenting Officer and on receipt of these the Indenting Officer or his superior officer shall make payment direct. The supplier may, however, for their own convenience send an advance intimation for the amount of the bill to the indenting officer but no advance payment shall be made.

Payment shall ordinarily be made with in one month of delivery. All payments shall be subject to the deduction of any amount to which the supplier may be or render him self liable under the terms of this arrangement.

12. Packing cases containers gunny packages etc. which may be used for purposes of packing and which are delivered with stores will be not returned or paid for, unless specially stipulated.

13. The contractor shall not sub let or assign this contract with out the written the permission of the Director General/Addl. Director General of U.P. fire service. In the event of the contractor sub-letting or assigning this contract without such permission he shall be considered as having there by committed a breach of this contract.

14. In the event of the suppliers not being in strict accordance with these conditions or not being delivered with in the time allowed, the Director General/Addl. Director General of U.P. fire service may recover from the contractor as liquidated damages and not by way of penalty the sum of one percent of the value of the said goods or materials for each and every day up to 25 days during which the articles to be supplier are not delivered or bad articles are not replaced. Further, it shall be lawful for the Director General/Addl. Director General of U.P. fire service or the Indenting Officer to purchase the required articles or any suitable quality obtainable in the open market at the risk and cost of the contractor, who in addition to the liquated damages aforesaid shall be liable for any loss or damages caused by the said purchase. The Director General/Addl. Director General of U.P. fire service shall alone be entitled to adjudge upon the penalty or compensation or damages due for delay in performance as also to adjudge upon the advise ability of taking other suitable action. If the delay shall have arisen from any cause which the Director General/Addl. Director General of U.P. fire service may declare in writing to be reasonable, such additional time may be allowed as may be considered necessary in the circumstances of the case. In such a case be may also for ego the whole or any part of the aforesaid liquidated damages but not the other loss or losses.

15. In case of non performance in any form or shape of the condition of this arrangement the Director General/Addl. Director General of U.P. fire service shall have power to annual, rescind or cancel the arrangement and upon his notifying in writing to the supplier that he has so done, this arrangement shall absolutely determine. He may also debar the firm for the U.P. Fire Service Head Quarter Luck now contracts for such periods as he things fit.

16. In the event of any dispute arising out of or concerning this agreement (except as to any matters the decision of which is specifically provided for the this agreement ), the same shall be referred to the arbitration of an arbitrator nominated by the Director General/Addl. Director General of U.P. fire service and an arbitrator nominated by the contractor , or in the case of the contractor or the said Director General/Addl. Director General of U.P. fire service failing to nominate an arbitrator with in the time fixed in the notice to be served on him by the said Director General/Addl. Director General of U.P. fire service or the contractor, as the case may be, by the arbitrator nominated by the said Director General/Addl. Director General of U.P. fire service and the contractor or in case of disagreement between the said arbitrators to an umpire appointed by them and the decision of such arbitrators or arbitrator or umpire, as the case may be, shall be final and binding on the parties. The arbitrators/ arbitrator/umpire may from time to time with the consent of the parties enlarge the time for making and publishing the award.

17-Without prejudice to any other remedy provided by law any amount due from the supplier to the governor will be recoverable as arrears of land revenue and may also be recovered by deduction from any amount due from the governor to the supplier on any account under any other transaction.

18- The suppliers will send to the - The Director General/Addl. Director General of U.P. fire service, Lucknow. quarterly statement of goods they supply under this arrangement in the following form,



## QUOTATION

1- I/We hereby quote to supply the goods and materials in the under writing schedule in the manner in which and with in the time specified, as set forth in the conditions of arrangement stated above at the rates given in the schedule below. I/We hereby agree that in the event of tender being accepted, the conditions of pares- 1 to 17, on pages 1 to 4 and those contained in the acceptance letter will be binding upon me/us and will, along with the quotation, be converted into and shall be deemed to be a completed agreement between me/us and the Governor of U.P. from the date of issue of acceptance letter. I/We hereby further agree that if so required by the Director General/Addl. Director General of U.P. fire service. I/We shall execute a formal Agreement Deed.

2.I/We herewith deposit a sum of Rest as earnest money and should I/We fail to execute a fresh deed of agreement if so required, by the Director General/Addl. Director General of U.P. fire service. on behalf of the governor of U.P. and deposit the security as laid down in the tender notice with in 10 days of the acceptance of my/our tender . I/We hereby agree that, a part from my/our liability under the agreement the above sum of earnest money will be forfeited to the governor:

### SCHEDULE OF RATES

Taxes								
-----								
Sl no	Item	with Unit	Rates per unit	Sales tax	Excise duty	Total	Discount if any	Make and brand
1	2	3	4	5	6	7	8	9

-----  
All rates are for-----

Date the \_\_\_\_\_ day of \_\_\_\_\_ 2014/2015

Signature \_\_\_\_\_

Address \_\_\_\_\_ Name of supplying firm \_\_\_\_\_

N.B.-Please do not forget to fill in all the above columns.

Accepted -----

Signed -----

Designation -----

For and on behalf of the Governnor of Uttar Pradesh.

**TENDER FORM**  
**GOVERNMENT OF UTTAR PRADESH**  
**DIRECTOR GENERAL OF UTTAR PRADESH FIRE SERVICE, LUCKNOW.**  
**CONDITIONS OF AGREEMENT**

1- The arrangement is to last till but in the event of any breach of the terms of arrangement at any time on the part of the supplier the arrangement shall be determined summarily by the Director General/Addl. Director General of U.P. fire service, without compensation to the supplier.

2- The supplier will supply goods and materials from time to time in such quantities as may be entered in the indents sent at the rates set forth in the Schedule of rates at page(4).

3- The goods and materials to be supplied under the arrangements are to be of the quality or sort in every respect equal and answerable to the patterns or sample sent with the quotations and approved by The Director General/Addl. Director General of U.P. fire service. In the event of supplies not being up to the sealed sample accepted, but good enough for retention, the goods supplied may either be retained at a reduction in cost not exceeding 10 percent of the total value or be returned to the supplier in accordance with paragraph 10 below at the option of the Indenting Officer. The goods may only be retained at a reduction if the supplier agrees.

4- The Director General/Addl. Director General of U.P. fire service may, by notice in writing, call upon the supplier to supply additional goods and materials to serve as sample, and upon such notice in writing the supplier shall be bound to supply additional sample of goods and materials, such additional samples being in all respects of same quality or sort as the sample first supplied.

5. (a) All rates are to be based on delivery, securely packed, and F.O.R. station nearest to suppliers are Indenting Officers as asked for in the tender notice.

(b) Railway freights, If pre-paid, shall be added to original quotations.

(c) When goods are ordered F.O.R. the station nearest to supplier, the Indenting Officer may at his option direct that this shall be booked either by goods train or by passenger train and either at owner's risk or at railway risk. The supplier shall carry out his direction and shall in any case be responsible for the safe delivery of the goods soundly and securely packed to the Railway Administration and shall obtain from such Railway Administration a clear receipt for the goods in evidence thereof. In the absence of a clear receipt the suppliers will be held responsible for all damages or loss caused by breakage or leakage which may occur to the goods while in transit and until they have been delivered to the consignee at Railway station of destination.

(d) When goods are ordered F.O.R. station of destination, the supplier shall be required to bear all risks of loss, leakage or damage and shall deliver the goods in good order to the consignee at railway station of destination, mentioned in the indent, in such quantities or number and within such time and in such manner as the Indenting Officer shall, from time to time, direct.

6. Unless when specially ordered in the order accompanying the indent, all goods must be despatched within 14 days of the receipt of indent by the supplier.

7. With every despatch of goods or materials under the arrangement invoices or bills of parcels in duplicate are to be sent by the supplier to the Indenting Officer, the duplicate to be returned by the Indenting Officer with the quantities or number received duly noted thereon.

8. Conditions as to time for performance whether laid down herein or in the indent, shall be always regarded as the essence of the arrangement.

9. The Director General/Addl. Director General of U.P. fire service or the Indenting Officer or any other Officer or person duly authorized in writing by the Director General/Addl. Director General of U.P. fire service shall have power to inspect the stores before and after manufacture, collection, despatch transit or arrival and to reject the same or any part or portion, if he or they be not satisfied that the same is equal or according to sample or specification in weights, quantity and number.

10. Goods or materials rejected or refused on the ground of inferior quality or any other ground shall be removed by the supplier at his own risk and expense within 10 days after notice been received by him of such rejection. In the event of non removal by the supplier as aforesaid within the

said period of 10 days, it shall be law full for the Director General/Addl. Director General of U.P. fire service to authorise the Indenting officer to sell by public auction any rejected materials or goods and in such cases the supplier shall be credited with the sale proceeds there of but will not be entitled to any loss or damage that may be occasioned by such sale. If the contractor is not satisfied with the decision of the authority rejecting or refusing the goods, he may appeal to the Director General/Addl. Director General of U.P. fire service within 5 days of the receipt of such notice, and the decision of the Director General of Police Fire Service Uttar Pradesh, will be final in all cases.

11. The system of payment shall be as follows:-

Bill in triplicate shall be sent by the supplier to Indenting Officer and on receipt of these the Indenting Officer or his superior officer shall make payment direct. The supplier may, however, for their own convenience send an advance intimation for the amount of the bill to the indenting officer but no advance payment shall be made.

Payment shall ordinarily be made within one month of delivery. All payments shall be subject to the deduction of any amount to which the supplier may be or render him self liable under the terms of this arrangement.

12. Packing cases containers gunny packages etc. which may be used for purposes of packing and which are delivered with stores will be not returned or paid for, unless specially stipulated.

13. The contractor shall not sub let or assign this contract without the written permission of the Director General/Addl. Director General of U.P. fire service. In the event of the contractor sub-letting or assigning this contract without such permission he shall be considered as having thereby committed a breach of this contract.

14. In the event of the suppliers not being in strict accordance with these conditions or not being delivered within the time allowed, the Director General/Addl. Director General of U.P. fire service may recover from the contractor as liquidated damages and not by way of penalty the sum of one percent of the value of the said goods or materials for each and every day up to 25 days during which the articles to be supplied are not delivered or bad articles are not replaced. Further, it shall be lawful for the Director General/Addl. Director General of U.P. fire service or the Indenting Officer to purchase the required articles or any suitable quality obtainable in the open market at the risk and cost of the contractor, who in addition to the liquidated damages aforesaid shall be liable for any loss or damages caused by the said purchase. The Director General/Addl. Director General of U.P. fire service shall alone be entitled to adjudge upon the penalty or compensation or damages due for delay in performance as also to adjudge upon the advisability of taking other suitable action. If the delay shall have arisen from any cause which the Director General/Addl. Director General of U.P. fire service may declare in writing to be reasonable, such additional time may be allowed as may be considered necessary in the circumstances of the case. In such a case he may also forgo the whole or any part of the aforesaid liquidated damages but not the other loss or losses.

15. In case of non performance in any form or shape of the condition of this arrangement the Director General/Addl. Director General of U.P. fire service shall have power to annul, rescind or cancel the arrangement and upon his notifying in writing to the supplier that he has so done, this arrangement shall absolutely determine. He may also debar the firm for the U.P. Fire Service Head Quarter Lucknow contracts for such periods as he thinks fit.

16. In the event of any dispute arising out of or concerning this agreement (except as to any matters the decision of which is specifically provided for in this agreement), the same shall be referred to the arbitration of an arbitrator nominated by the Director General/Addl. Director General of U.P. fire service and an arbitrator nominated by the contractor, or in the case of the contractor or the said Director General/Addl. Director General of U.P. fire service failing to nominate an arbitrator within the time fixed in the notice to be served on him by the said Director General/Addl. Director General of U.P. fire service or the contractor, as the case may be, by the arbitrator nominated by the said Director General/Addl. Director General of U.P. fire service and the contractor or in case of disagreement between the said arbitrators to an umpire appointed by them and the decision of such arbitrators or arbitrator or umpire, as the case may be, shall be final and binding on the parties. The arbitrators/ arbitrator/umpire may from time to time with the consent of the parties enlarge the time for making and publishing the award.

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### QUOTATION

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2.I/We herewith deposit a sum of Rest as earnest money and should I/We fail to execute a fresh deed of agreement if so required, by the Director General/Addl. Director General of U.P. fire service. on behalf of the governor of U.P. and deposit the security as laid down in the tender notice with in 10 days of the acceptance of my/our tender . I/We hereby agree that, a part from my/our liability under the agreement the above sum of earnest money will be forfeited to the governor:

### SCHEDULE OF RATES

Taxes								
Sl no	Item	with Unit Rates	per unit	Sales tax	Excise duty	Total	Discount if any	Make and brand
1	2	3	4	5	6	7	8	9

All rates are for-----  
Date the Signature Address day of 2014/2015  
Name of supplying firm

N.B.-Please do not forget to fill in all the above columns.

Accepted -----

Signed -----

Designation -----

For and on behalf of the Governnor of Uttar Pradesh.

**Bid Affidavit**

**(To be submitted on non judicial stamp paper of Rs.100.00)**

To: Addl. Director General of Police,  
Fire Service Headquarters,  
U.P., Lucknow -226 001

Sir:

Having examined the Bidding Documents (tender notice, general terms & conditions, technical specifications, and special terms & conditions of the tendered items), the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver Goods and Services in conformity with the said bidding documents in accordance with the Price Schedule attached with the financial bid and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Bidding Documents.

If our bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to 10 percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this bid for the Bid validity period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand that you are not bound to accept the lowest or any bid you may receive.

We clarify/ confirm that we comply with the eligibility requirements as per the bidding documents.

Dated this ..... day of ..... 2014/2015

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(in the capacity of)

Duly authorized to sign Bid for and on behalf of

REVISED MODEL FORM OF BANK GUARANTEE BOND

BG NO.....

DATED.....

AMOUNT Rs.....

In Consideration of the Governor, Uttar Pradesh (herein after called "The Government") having agreed to exempt----- (herein after called "the said constructor(s) from the demand under the terms and conditions of an Agreement dated-----made between-----and -----for herein after called "the said agreement") of security deposit for the due fulfillment by the said constructor(s) of the terms and conditions contained in the said Agreement, on production of the bank guarantee for Rs ----- (Rupee-----only) (herein after referred to us Bank) of (Indicate the name of the bank ).

We request of -----constrictors (s)/do here by under take to pay to the Government an amount not exceeding Rs-----against any loss or damage caused to or suffered or would be caused to or suffered by the Government by reason of any breach by the said contractors (s) of any of the terms and conditions contained in the said Agreement.

2- We -----here by undertake to pay the amount due the payable under (Indicate the name of the bank) this guarantee without any demur, merely on a demand from the government stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the government by reason of breach by the said constructor(s) of any of the terms and conditions contained in the said Agreement of reason of the constructor(s) failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards and amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceed in Rs-----

3- We undertake to pay to the Government any money so demanded not with standing any dispute or disputes raised by the constructor(s) in any suit or proceeding pending before any court or tribunal relating there to our liability this present being absolute and under unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor (s) supplier (s) shall have no claim against us for making such payment.

4- We-----further agree that the guarantee shall (Indicate the name of the bank) remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or field-----office/Department-----certifies that the terms and conditions of the said Agreement, have been fully and properly carried out by the said constructor (s),and accordingly discharges this guarantee. Unless a demand of a claim under this guarantee is made on us in writing on or before the -----we shall be discharged from all liability under this guarantee there after.

5- We-----further agree with the Government that the Government shall have (Indicate the name of the bank)the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said constrictor (s) from time to time or to postponed for any time or from time to time any of the powers Exercisable by terms and conditions relating to the said Agreement and we shall not be Relieved from our liability by reason of any such variation or extension being Granted to the said constrictor (s) or for any forbearance, act' or commission on the part of the Government or any indulgence by the Government to the said constructor (s) or by any such matter or thing whatsoever which under the relation to sureties would but for this provision, have effect of so relieving us.

6- This guarantee will not be discharged due to the change in the constitution of the bank or the constructor (s) .

7- We-----lastly undertake not to revoke this guarantee during(indicate the name of bank) its currency except with the precious consent of the government in writing.

Dated the -----day of-----

For----- (indicate the name of Bank)

## **CHECK LIST FOR TENDERERS**

**TENDERER SHOULD NOT FORGET TO ENCLOSE THE REQUIRED DOCUMENTS  
ALONG WITH YOUR BID, FAILING WHICH THE BID WILL BE REJECTED.**

		YES/NO	Page No. of Bid Document
1	Prescribed Bid/ Tender Fee of Rs..... DD No..... Dt.....		
2(a)	Bid Security (Earnest Money) of Rs..... Bank Guarantee/ DD No..... Dt.....		
2(b)	Proof of waiver of bid fees, bid security, performance security, if any ( Photo copy of valid Proof )		
3	Technical bid with all enclosures in duplicate in sealed envelopes. (No of enclosures with ..... page No.on each page.)		
4	Financial bid in duplicate in sealed separate envelopes.		
5	Page numbering of technical and financial bids including enclosures.(Total page No. of technical bid.)		
6	Signature of authorized persons along with official seal on each and every page of technical bids.		
7	Valid registration certificate of NSIC Directorate of Industries of Government of India/ State Governments.(only for manufacturer)		
8	Attested copy of PAN card./TAN/TIN		
9(a)	Valid Sales/ Trade Tax Registration Certificate (in case of U.P. firms).		
9(b)	Valid CST Registration Certificate (in case of outside U.P. firms).		
10	Acceptance for condition of 0.5% discount if payment is made within 30 days from the date of acceptance of material.		
11 (a)	In case of manufacturer of tendered items, enclose certificate of proof in this regard.		
11 (b)	In case you are not manufacture of tendered items, authorization letter(s) of your principal(s) to participate in this tender whose product(s) has/ have been quoted by you. Name of principal-----address.: ----- Phone No./Mob. No.-----		
11 (c)	In case you are not manufacture of tendered items, certificate from your principal(s) regarding proof of manufacturing of tendered items.		
12	Declaraton -Tenderer must submit an affidavit verified by the Notary on Non Judicial Stamp paper of Rs.100/- stating that the Tenderer /Firm has no criminal Background.		
13	Bid Affidavit on Rs.100/- Non Judicial Stamp paper verified by the Notary.		



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

TENDER NO-XXII-FS(T)-216-2015

DATE 08-07-2015

### SPECIFICATION OF DIVIDING BREECHING(GM)- 74 Nos.

Specification	Accept	Deviation
Dividing Breeching with control for fire brigade Use (GM) as per IS : 5131- 2002 OR Latest,		

### **SPECIAL TERMS AND CONDITION:-**

1- Validity of bid: Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.

2. F.O.R.: destinations in U.P.

#### **3.1 Inspection:**

(a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.

(b) After award of the contract, inspection may be done by FSHQ Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier.

© The bidders must describe in technical bid about their past performance for last five years related to supply of **Dividing Breeching (GM)** with documentary proof.

#### **3.2 Supply:-**

**1. Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 07 days from the date of award of contract, duly pledged to the 'Director/ Addl. Director General of Police , Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**2. Delivery period:** Delivery of equipment shall be latest by 15th March, 2016.

**3. Penalty** of Rs.100/- (one hundred only) per day per equipment will be charged for any delay in completion of work or handing over the completed equipment beyond the stipulated period.

**4. Warranty:** Warranty shall be for a period of 12 months from the date of acceptance of equipment by competent authority.

5. The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.

6. Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

7. The decision of technical committee will be final.

**8. Delivery period** may be extended on reasonable ground by 'Director General/ Addl. Director General of Fire Service .

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW



Tenders are invited for supply of the following items on behalf of the Governor of Uttar Pradesh.

SL. No	Name & Description of stores with full specification.	Unit	Quantity	Nature Of contract.
1	Fabrication of Water Tender on 16 Ton Full forward control truck Chassis.	Each	08	Q/C till supply is completed.

	<b>NOTE:-</b>		
1	Rates must be quoted exclusive of excise duty, specifying the rates of excise duty if any applicable		
2	Transportation Charges of chassis (To & Fro) must be included in Basic Price.		

### **DETAILED SPECIFICATION FOR WATER TENDER TYPE 'B'**

<b>GENERAL:-</b>	Accepted	Deviation
Water Tender type 'B' having 5500 liters capacity Water Tank 1800 LPM capacity Gun metal centrifugal fire pump VAS/WEBSTER/FIREHAWK P.T.O. , ladder gallows, lockers, First Aid, Hose reel etc. shall be fabricated confirming to this specification as well as IS:950-1980 on 16 Ton Full forward control truck Chassis to be supplied by the U.P. Fire Service Headquarters. ALL WELDING SHALL BE MIG WELDING.		
<b>WATER TANK:-</b> (1) Water Tank shall be 5500 liters capacity constructed out of 5 mm M.S. plates with S.S. nuts and bolts to prevent surge when the vehicle is in breaking, cornering or accelerating. The baffle shall be arranged in such a manner to facilitate the passage of a man throughout the tank for cleaning purpose. The Tank shall be mounted on minimum three cross bearers. On the chassis keeping in view the proper load distribution on the axles and counteract act stress caused by chassis flexing and shall be so secured that it can be removed, when required. The Tank and its fittings shall be given adequate phosphating treatment, before painting. Inside coating shall be chloro Rubber paint of approved brand. Date of sandblasting should be informed 05 days in advance. <b>Radiography of water tank for all joints / welding to be ensured 100% and report of all details should be submitted at the time of second stage of inspection.</b>		
(2) The visual level indicator of the plastic tube shall be provided near the control panel calibrated and full. The Tank shall have one manhole of 65 cm Diameter. The filling orifice on the top cover shall be of not less than 250 mm diameter made of aluminum and screwed cap shall be chained spherical type valve leader make shall be provided wherever a valve is required. Other equipments of the tank shall be same as IS:950-1980 (para 4-3-2 to 4-3-6-). Four lifting eyes shall be provided on the shell of the tank to enable the tank to be lifted off the vehicle whenever required.		
<b>PUMP:-</b> (1) A built in type centrifugal pump 100 mm suction inlet and two nos. 63 mm delivery valve shall be mounted at the rear of the appliance. The pump shall be double stage type. The pump casing, impeller, impeller ring and impeller neck ring shall be lead tin bronze (grade-II) of IS: 319-2007. The Impeller neck ring and the impeller ring shall be review able. Pumps shaft shall be of stainless steel (Grade 94 or 10 Ni of IS:6603-1972) and shall be carried in antifriction bearings made of SKF. (2) The Impeller should be dynamically balanced, drain cock plug shall be provided at the bottom of the casing in a way to prevent the cock being opened to vibrations, studs etc. used in the pump casing shall be stainless steel. The gland shall be of the mechanical adjustable type. (3) The pump shall be designed to give its rated out put of 1800 liters per minute at 7 Kg/Cm2 with an engine and pump input shaft speed safe enough to operate the engine. It shall give performance as given in table I of IS:950-1980 and shall be tested in same manner as prescribed there in Para 4-5-4 pump casing and impeller shall also be tested before mounted. <b>Pump shall be tested to hydraulic pressure of 21kgf/sq. cm to detect any leakage in front of inspection committee at second stage of inspection. Pump should be UL certified.</b>		
<b>PRIMER:-</b> The primer made of G.M. shall be of reciprocating piston type positive displacement capable of lifting water at least 7 mtr. In not more than 24 seconds. Means shall be provided to limit the speed the engine while the primer is engaged.		

#### **POWER TAKE OFF:-**

The pump shall be coupled to the prime mover of the chassis through power take off capable of full torque of the engine used for this appliance. A control lever for engaging and disengaging the pump with suitable locking device shall be provided in the driver's cab. **The power take off shall be VAS/WEBSTER/FIREHAWK make**

<b>compatible with torque and RPM of the supplied chassis . PTO should be dynamically balanced . Guarantee Card and Sale Invoice for Specific PTO No. of Manufacturer Should be given at the time of Inspection and delivery.</b>		
<b>BODY WORK AND STOWAGE;-</b> 1- Enclosed accommodation for seven persons with windscreen and shall be provided sliding type windows having size 60x50 cm. for the officer and crew doors and window size 42x42 cm. For up and down glass in aluminum section for driver door. With glass 5mm. thick toughened, moving up and down by heavy duty machine in galvanized channels on each side (single leaf type) shall be provided on the driver cum crew compartment. One peep window on each side (fixed type) be provided on cabin between the both windows matching to them. The door shall be kept light and hinged opening outward (Max 2650) and shall have catch locks and flush type handles cab cum crew compartment flooring shall be made of 10 gauge aluminum chequered plate. Inside dimension of driver cum crew compartment length wise not less than 185 cm. from dish board to back of the crew and width wise as per width of the chassis. The clear height of the cabin rooting from the floor of the cabin should not be less than 1650 mm. Foot board and covered with aluminum 10 gauge pchequered plate. Crab rail shall be provided at the rear of the appliance, for four persons. The front show and screen be properly fabricated to give sufficient strength and shape to the cabin. Width of the windscreen shall not be less than 75 cm. and thickness of the toughened glass shall be 5.5 mm.		
<b>SEATS:-</b> 1- Adjustable type driver's suitable seat and officer's with bottom cushion of the size 18" x18" and 18"x 20" are to fitted. This should have 4" and 2" thick Don top foam cushion duly covered with best quality foam. Rexene and be fabricated, out of 35x35 mm. angle crew scat in cabin shall be on a full length equipments box be fabricated from, M.S. angle 35x35x5 mm and 16 gauge alum. Minimum Chequered plate with bottom cushion of 2" thick Dunlop and covered with best quality foam Rexene.		
2- Officer seat and one crew sent should have provision for B.A. set and cylinder fixing at the back of the seat.		
3- One No. Ladder shall be provided (Fixed type) in the rear of the body to climb on top of the appliance.		
4- Six lockers shall be provided for secure stowage of all equipments given in IS: 950-1980. <b>There shall be provision of one locker such that it can house a portable pump (size : length 32" width 22" and height 29" and weight not more than 90 kg can accommodate easily).</b>		
5- Double wall type lockers door shall be provided (over hinged type) with provision of automatic internal lighting arrangement with master switch in driver's cab and doors of the locker shall have efficient means for holding then closed by efficient flush fitting spring loaded locks.		
6- Super structure of the entire body shall be made of 30x30x1.6 mm sq. M.S. tube. <b>The complete superstructure should be electroplated with ZINC PLATING not less than 18 microns. Then epoxy painting on it must be done after the fabrication.</b> Wood shall not be used in fabrication work. The roof of driver cabin cum crew compartment shall be covered, with ¼ gauge M.S. sheet of <b>Tata/Zindal/SAIL and the papers Must be submitting the before inspection team.</b> With the thermo-cols packing 25 mm. thick and lining of 18 gauge aluminum sheet, outside body paneling shall be 18 gauge aluminum sheet and equipment box shall be made of 18 gauge aluminum sheet and flooring of the same shall be 10 gauge aluminum chequered plats.		
7- Mudguards shall be of 16 gauges G.I. sheet.		
8- The parts likely to come in contact with water shall be treated for anticorrosive.		
9- <b>Wire mesh shall be provided in front of wind screen.</b>		
<b>SUCTION HOSE:-</b> Enclosed provision shall be made for keeping 4 nos. suction hose at a convenient place with 10 gauge aluminum chequered plate flooring.		
<b>LADDER GALLOWS :-</b> Provision shall be made for keeping 10.5 m. Aluminum extension ladder at roof Of the body on proper gallows which shall be firmly affixed with the frame work of the roof. Ladder mounting design should be such that it can be taken out or stowed easily by one man, means shall also be provided for securing the ladder stowed.		
<b>COOLING SYSTEM:-</b> A heat exchanger tank made of 18 gauge brass plate having indirect cooling system of open circuit type in a convenient position be provided in front of the engine to ensure efficient cooling during static running of the pump without over heating the engine /P.T.O. as recommended by manufacturer, Bye-pass water from the pump is fed to the cooling of the heat exchanger tank pass through a copper pipe coils and discharging the water in open. The tank shall be provided with filter, cap and a drain plug at the bottom.		
<b>WATER MONITOR:-</b> Suitable capacity water monitor shall be mounted on top of the vehicle with valve to control the water flow connected with fire pump.		
<b>TOWING HITCH:-</b> Drag hitch or eyes shall be fitted to each chassis member at rear for towing a two wheeled trailer weighing approximately one tone. The towing which shall be provided to the chassis with its height canter at 600 mm ground level.		
<b>TEST AND TRIAL:-</b> The appliance shall be subjected to the different tests at the manufacturer workshop to check acceleration, performance of fabrication breaking, turning circle, Stability pump and primer tests as per IS requirements governing at the cost and risk of manufacturer and material, grading test if required too. The manufacturer shall provide all testing facilities.		
<b>ACCESSORIES-</b> The following accessories shall be provided in addition to these normally fitted on modern commercial vehicles:- C:\Users\as\Desktop\TENDER 2015-16\Tender.doc - 34 -		

<b>1-HOSE REEL:-</b> 60 meter first aid hose reel of approved brand with 20 mm. bore rubber hose control valve and nozzle shall be provided at convenient place of the appliance, as given in IS:884-1969.				
<b>2- LADDER :-</b> An extension ladder 10.5 mtrs (trussed type) CE/EN/ISI approved shall be provided.				
<b>3-WIRE MESSH GUARDS:-</b> Remove able type wire mesh guards of 1"x1" opening 1/10" thick for wind screen and on all windows shall be provided.				
<b>4-WORKMAN SHIP AND FINISH:-</b> All parts of the appliance shall have standard quality finish and workman ship, Railing and handle shall be chromium plates of high quality. The appliance shall be painted as per our emblem, size and colour.				
<b>5-PAINTING AND MARKING:</b> The appliance shall be painted in FIRE BRIGADE RED COLOUR' and shall be painted as per our emblem, size ISI.				
<b>6- INSTRUCTION BOOK:</b> Instruction book as per IS:850-1980.				
<b>7- FIRE BELL:-</b> 250mm diameter fire bell shall be mounted on the top of the cabin and shall be capable of being operated from the driving compartment without extending the arms outside. The bell shall be as per IS:1988: 1964 and operated type.				
<b>8- REVERSING LIGHT:-</b> Two Nos suitably rear situated to assist reversing (bulb will be 12 v. 25watts. )				
<b>9- one emergency light bar : It shall be of Mars Voice Series Blue &amp; Amber Grand make (with siren and public address system) covered with wire mesh.</b>				
<b>10- TRAFFICATORS :-</b> Illuminated with indicating lights on any prominent place as per Motor Vehicles act.				
<b>11- SIREN :-</b> Kheraj ½ mile range.				
<b>12- SEARCH LIGH :-</b> Adjustable to give flood of beam light mounted in a convenient position but capable of being readily disconnected and mounted on a tripod away from the appliance complete with tripod and 30 m of PCB cable on a reel mounted on the appliance.				
<b>13- SPOT LIGHT:-</b> Adjustable mounted in a convenient position near side of the driving compartment bulb will be 12 volt 30 watts.				
<b>14- INSPECTION LAMP:-</b> Protected type on wonder lead with plug. Shocked shall be provided in the central 1 panel in the driver's cab for plugging in the lamp.				
<b>15- ELECTRIC CALL BELL:-</b> An electric call bell in driver's cabin with its push button at rear side of the vehicle.				
<b>16- CAB:-</b> Instrument panel and lockers shall be provided with lights.				
<b>17- A trickle type battery charger</b> shall be provided for recharging the battery in side along with plug, socket and lead wire.				
<b>18- A red pilot lamp indicating:-</b> When the batteries are being charged from an external supply shall be provided.				
<b>19- Rear Reflectors :-</b> Two Nos.				
<b>SCHEDULE OF EQUIPMENT TO BE STOWED IN THE APPLIANCE</b>				
Sl.no.	ITEMS	QNTY.		
1	Suction hose of rubber of 100 mm internal diameter in 2.5 m lengths (IS:3549-1983) fitted with 100 mm suction hose couplings (IS:902 -1992)	4 Nos.		
2	3 way suction collecting head 100m size (IS:904 -1983) GM.	1		
3	Suction wrenches for 100m suction coupling (IS:4643 -1984)	2		
4	Suction strainer 100mm size GM (IS:907 -1984)	1		
5	Basket strainer (cylindrical type)(IS:3582 -1984)(CANE)	1		
6	Dividing breeching with hand control instantaneous pattern 63 mm GM (IS:5131 -2002)	1		
7	Collecting breaching instantaneous pattern 63 mm (IS:904 -1983) GM	1		
8	Hydrant – stand pipe one way (IS:571-1970)	1		
9	Combined key for hydrant and bar (IS:910 -1980)	1		
10	multipurpose nozzle as per IS/CE/EN/NFPA or equivalent	1		
11	Ordinary Branch Pipe IS:903-1993, ISI Mark(G.M.) nozzle size 14/16 mm	2		
12	a) Adopter for 100 mm suction female screw coupling and 63 mm male instantaneous (GM) b) Adopter double female instantaneous pattern 63 mm (GM) c) Adopter double male instantaneous pattern 63 mm (GM)	1 1 1		
13	Dragon type torch (LED)	1		
14	Delivery hose type A ISI marked 63 mm Dia with ISI marked SS coupling	10		
15	Portable fire extinguisher , ABC type 9 kg. (ISI: Mark)	2		
16	Foam making branch FB-5x with pick up tube (IS:2097 -1983)	1		
17	Rubber gloves (in case) (IS:4770 -1991)	2 pairs		
18	Axe, large (IS:703 -1966)	1		
19	Pick axe (IS:273 -1990)	1		
20	Crow bar (IS:704-1984)	1		
21	Steel hammer (IS:841 -1983)	1		
22	Revolving Branch Pipe for firefighting use IS: 906: 1988	1		
23	Hydraulic jack- not less than 20 ton capacity	1		
24	Fire hook (IS:927 -1981) Hook Cluster for upto 50kg. work load.	1		
25	First aid box for 10 person	1		
26	Bolt Cutter	1		
Specification				
1-Size: Length 30"				

	2-Cutting jaws: made of high tensile solid alloy steel, especially heat treated with center cut heads.			
	3-Handle : With sufficient grip of rubber			
	4- Application : Suitable for cutting hard material viz bolt, iron rod of 10 to 14mm diameter.			
27	Full body harness EN certified.	02		
28	Rope manila type 20 mm dia. Grade-1 ISI mark. 110 ft	2 length		
29	Rescue hook- Hook Cluster For upto 50kg work load	1		
30	multipurpose nozzle	1		
	Specification			
	1-Multipurpose nozzle shall have pistol grip(Anti-slip finger lock rubber moulded ) made up of light weight aluminum alloy anodized for resistance with solid bore tip.			
	2-Ball valve operated flow control lever for shutting off.			
	3-inlet with 63mm male inlet conforming to IS:903.			
	4-Selectable variable flow settings: 360-475-565-755-950 LPM @7 Kg/m2			
	5-spray up to 1200.			
	6- Weight not more than 3.0 Kgs.			
	7-Jet throw Range from 20 meters at 360 LPM to 47 meters at 950 meters.			
31	Spark arrester/muffler which can be easily attached to vehicle exhaust	1		

## SPECIAL TERMS AND CONDITION :-

1. **Validity of bid:** Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.

2. **F.O.R.:** Various destinations in U.P.

3.(a) **Capacity of Fabrication of water tender per month must be quoted.**

3.(b) **Water Tender Fabrication may be Allotted to the L-2 and L-3 Tenders if capacity of L-1 is found Less, at the rate quoted by L-1 with consent of L-2 & L-3 .**

### 4.1 Inspection:

(a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.

(b) After award of the contract, inspection will be done by Fire Service Head Quarter Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier. Inspection will be done in three stages:

(1) After fabrication of superstructure

(2) Before final painting

(3) Before delivery.

(4) The bidders must have complete testing & trial arrangement regarding fabrication of water Tender with them. If third party inspection is required the expenses will be born by the supplier the bidder must have testing facility e.g. deep lift test , flow test (v-notch )and tilting test, gradian test facility etc.

I The bidders must describe in technical bid about their past performance for last five years related to fabrication /supply of fire fighting vehicle with documentary proof.

(d) **Insurance against Chassis:** All Chassis shall be comprehensively insured (within 07 days from the date of award of contract) by the fabricator/ vender in favor of 'U.P. Fire Service Head Quarter, Lucknow' for full compensation in case of loss by theft and/ or fire or any other way whatsoever for the period after they have been handed over to the fabricator/ vender and till we take possession of these Chassis as water Tender.

(E) No drilling welding and cutting of the chassis shall be allowed.

(F) The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.

#### **4.2Supply:-**

**(a)Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 15 days from the date of award of contract, duly pledged to the Addl./Director General of Police, Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**(b)Delivery period:** Delivery of proto type vehicle shall be made within 30 days from the date of receipt of the supply order and balance latest by 15<sup>th</sup> March,2016.

(c) Fabricated vehicles should be supplied on proportionate basis from the date of receipt of chassis.

**(d)Penalty** of Rs.500/- (five hundred only) per day per body will be charged for any delay in completion of work or handing over the completed body beyond the stipulated period.

**(e) Warranty :** Warranty shall be for a period of 12 months from the date of acceptance of water Tender by competent authority.

**(f) The bidders** shall have to remove all manufacturing/ operational or any other defects/problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.

**(g)Printed leaflet** and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

**(h)The decision** of technical committee will be final.

**(i)Delivery period** may be extended on reasonable ground by 'Director General/ Addl.Director General of Fire Service .

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



**UTTAR PRADESH FIRE SERVICE HEADQUARTER**

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

**Tenders are invited for supply of the following items on behalf of the Governor of Uttar Pradesh.**

SL. No	Name & Description of stores with full specification.	Unit	Quantity	Nature Of contract.
1	Fabrication of Water Tender Type 'B' (Small) on LCV Chassis	Each	05	Q/C till supply is completed.
	<b>NOTE:-</b>			
	1	Rates must be quoted exclusive of excise duty, specifying the rates of excise duty if any applicable		
	2	Transportation Charges of chassis (To & Fro) must be included in Basic Price.		

### **DETAILED SPECIFICATION FOR WATER TENDER TYPE 'B' (SMALL)**

<b>GENERAL:-</b>	Accepted	Deviation
Water Tender type 'B' having <b>2000 liters</b> capacity Water Tank, 1200 LPM capacity Gun metal centrifugal fire pump, ladder gallows, lockers, etc. shall be fabricated confirming to this specification as well as IS:950-1980 on the LCV Chassis to be supplied by the U.P. Fire Service Headquarters. ALL WELDING SHALL BE MIG WELDING.		
<b>WATER TANK:-</b> (1) Water Tank shall be <b>2000 liters</b> capacity constructed out of <b>5.0 mm M.S. plates hi-grade in rectangular shape with elliptical bottom and 3.5 mm for top and sides.</b> Baffle plates shall be min 3mm thick with direction fitted with Stainless steel nuts and bolts to prevent surge when the vehicle is in breaking, cornering or accelerating. The baffle shall be arranged in a manner to facilitate the passage of a man throughout the tank for cleaning purpose. The Tank shall be mounted on min. three cross bearers on the chassis keeping in view the proper load distribution on the axles and counteract stress caused by chassis flexing and shall be so secured that it can be removed, when required. Tank shall be SAND BLASTING and two coating of APPOXY PAINT (date of sandblasting should be informed 05 days in advance). All fittings shall be given hot dip phosphate treatment, not less than 18 microns before painting. Inside coating shall be chloro Rubber paint of approved brand. <b>Radiography of water tank for all joints / welding to be ensured 100% and report of all details should be submitted at the time of second stage of inspection.</b>		
(2) The visual level indicator of the plastic tube shall be provided near the control panel calibrated and full. The Tank shall have one manhole of 65 cm Diameter separately on top of the tank with placing arrangement of stepni over it. The filling orifice on the top cover shall be of not less than 250 mm diameter made of aluminum and cap 9" diameter 'U' threaded type also of aluminium shall be chained, quick action spherical type valve reputed make shall be provided wherever a valve is required. Other equipments of the tank shall be same as IS:950-1980 (Para 4-3-2 to 4-3-6-). Four lifting eyes shall be provided on the shell of the tank to enable the tank for lifting.		
<b>PUMP:-</b> (a) A built in type centrifugal pump 100 mm suction inlet and two nos. 63 mm delivery valve shall be mounted at the rear of the appliance. The pump shall be single stage type. The pump casing, impeller, impeller ring and impeller neck ring shall be lead tin bronze (grade-II) of IS: 318-1963. The Impeller neck ring and the impeller ring shall reviewable. Pumps shaft shall be of stainless steel (Grade 94 or 10 N 1 of IS:6603-1972) and shall be carried in antifriction bearings made of SKF/NBC/TATA.		
(b) The Impeller should be dynamically balanced, drain cock plug shall be provided at the bottom of the casing in a way to prevent the cock being opened to vibrations, studs etc. used in the pump casing shall be stainless steel. The gland shall be of the mechanical adjustable type.		
(c) The pump shall be designed to give its rated out put of 1200 liters per minute at 7 Kg/Cm <sup>2</sup> with an engine and pump input shaft speed safe enough to operate the engine. It shall give performance as given in table I of IS:950-1980 and shall be tested in same manner as prescribed there in para 4-5-4 pump casing and impeller shall also be tested before mounted and <b>pump shall be tested to hydraulic pressure of 21kgf/sq. cm to detect any leakage in front of inspection committee at second stage of inspection. Pump should be UL certified.</b>		
<b>PRIMER:-</b> The primer made of G.M. shall be of reciprocating piston type positive displacement capable of lifting water at least 7 mts in not more than 24 seconds.		
<b>POWER TAKE OFF:-</b> The pump shall be coupled to the prime mover of the chassis through power take off capable of full torque of the engine used for this appliance. A control lever for engaging and disengaging the pump with suitable locking device shall be provided in the driver's cab. <b>The power take off shall be VAS/ WEBSTER / FIREHAWK make compatible with torque and RPM of the supplied chassis. PTO should be dynamically balanced. Guarantee Card and Sale Invoice for Specific PTO No. of Manufacturer Should be given at the time of Inspection and delivery.</b>		



<b>BODY WORK AND STOWAGE:-</b>		
1- One No Alum. Ladder shall be provided in the rear of the body to climb on top of the appliance.		
2- Lockers shall be provided for secure stowage of equipments given in IS:950-1980. <b>There shall be provision of one locker such that it can house a portable pump (size : length 32" width 22" and height 29" and weight not more than 90 kg can accommodate easily).</b>		
3- Double wall type lockers door shall be provided (over hinged type) with provision of automatic internal lighting arrangement with master switch in driver's cab and door's of the lockers shall have efficient means for holding them closed by efficient flush fitting spring loaded locks.		
4- Super structure of the entire body shall be made of 30x30x1.6 mm sq. Tube; wood shall not be used in fabrication work. The roof of drivers cabin crew compartment shall be covered with 16 gauge. m.s. sheet <b>Tata/Zindal/SAIL and the papers Must be submitting the before inspection team.</b> with the thermo cool packing 25 mm. thick and lining of 18 gauge PVC aluminium sheet. Outside body panelling and equipment box shall be made of 18 gauge aluminium chequered plates. <b>There shall be arrangement for hanging two numbers of BA set on the back of the seats. There shall be provision of wire mesh in front of wind screen. The complete superstructure should be electroplated with ZINC PLATING not less than 18 microns. Then epoxy painting on it must be done after the fabrication.</b>		
5- Mud guards shall be of 18 gauge G.I. sheet.		
6- The parts likely to come in to contact with water shall be treated for anticorrosive.		
7- All metal pipe line chanals shall be hot dip phosphating.		
<b><u>SUCTION HOSE:-</u></b>		
Enclosed provision shall be made for keeping 4 nos. suction hose at convenient place with 16 gauge aluminium chequered plate. (As per design approved)		
<b><u>LADDER GALLOW:-</u></b>		
Provision shall be made for keeping 7.5 m. Aluminium extension ladder at the roof of the body rope gallows which shall be firmly affixed with the frame work of the roof. Ladder mounting design should be such that it can be taken out or stowed easily by one man, means shall also be provided for securing the ladder stowed.		
<b><u>WATER MONITOR :-</u></b>		
A Suitable capacity water monitor shall be installed on water Tender with valve to control water flow.		
<b><u>COOLING SYSTEM:-</u></b>		
A heat exchanger tank made of 18 gauge brass plate having indirect cooling system of open circuit type in a convenient position in front of the engine to ensure efficient cooling during static running of the pump without over heating the engine /P.T.O. as recommended by manufacturer. Bypass water from the pump is fed to the cooling of the heat exchanger tank pass through a copper pipe coils and discharging the water in open. The tank shall be provided with filter, cap and a drain plug at the bottom.		
<b><u>WORKMANSHIP AND FINISH:-</u></b>		
All parts of the appliance Heavy duty shall have standard quality finish and workmanship. Railing and handle shall be heavy duty chromium plates of high quality. The appliance shall be painted in FIRE BRIGADE RED colour and shall be of dulux paint as per IS and state emblem as per size and colour.		
<b><u>TEST AND TRIAL:-</u></b>		
The appliance accessories and equipments. Shall be subjected to the different tests at the manufacturer workshop to check acceleration, performance of fabrication breaking, turning circle & Stability. Pump and Primer tests as per IS requirements governing the concerned at the cost and risk of manufacturer and material, grading test if required too. All testing facilities shall be provided by the manufacturer.		
<b><u>ACCESSORIES:-</u></b>		
The following accessories shall be provided in addition to those normally fitted on the chassis:-		
1- <u>WIRE MESSH GUARDS:-</u> Removable type wire mesh guard of 1"x1" opening 1/10" thick for wind screen and on all windows shall be provided.		
<b>2- <u>LADDER :-</u> An extension ladder 10.5 mtrs truss type CE/EN/ISI approved shall be provided.</b>		
3- <u>FIRE BELL:-</u> 250mm diameter as per I.S. specification fire bell shall be mounted on the top of the cabin and shall be capable of being operated from the driving compartment without extending the arms outside. The bell shall be as per IS:1988: 1964 hand operated type.		
a-Fire bell: one bell of 250 mm dia mouth "F" natural tone carillon, shall be mounted externally.		
b-Two fog lamp: these shall be low mounted in front of the appliance (25 watts bulb shall be provided)		
c- <b>one emergency light bar : It shall be of Mars Voice Series Blue &amp; Amber grand make (with siren and public address system) covered with wire mesh</b>		
d-One Reversing light. It shall be suitably situated to assist reversing ( 25 watts bulb shall be provided.)		
e-Search light: 300 mm diameter halogen bulb (100 watts with flood and beam system arrangement of range 100 m. The searchlight shall have swiveling and both elevation and directional control. The search shall be provided with 30 m long fire retardant PCB cable		

and be used as portable search light along with a tripod.		
f- One spot light: It shall be adjustable and shall be mounted in a convenient position on the roof of the appliance (20 watts)		
g- Trafficators : self cancelling with switch in the diver in the compartment (18 w.)		
h-Towing arrangement shall be provided at the rear of the appliance.		
i-LIGHTS :-Instrument panels and lockers shall be provided with lights.		
j-A trickle type battery charger shall be provided for recharging the battery in side along with plug, socket and lead wire.		
k-A rear pilot lamp indicator:- When the batteries are being charged from an external supply shall be provided.		
l- Rear Reflectors :- Two nos.		
m-INSTRUCTION BOOK:-Functional Requirements as per IS:950: 1980		
<b><u>ACCEPTANCE TESTS:-</u></b> The fabricated Water tender shall be subjected to prior acceptance all tests specified in the IS the 10460-1983 and other relevant standards. Before the inspection team at the time of final/third stage inspection. These tests shall be carried out at manufactures works or a place to be mutually agreed upon at the manufactures cost.		
<b><u>INSTRUCTION:-</u></b> 1-Details/design / drawings with load distribution chart of the appliance must be accompanied with tender.		
2-Inspection of the fabrication work will be carried out in three different stages.		
<b><u>WARNING:-</u></b> 1- No cutting welding and drilling of chassis shall be done and also manufacture will insure that fabrication work will not effect technical parameters of the chassis. 2- The fully laden weight of the vehicle in any case must not exceed the specified G.V.W. for the vehicle. <b>During third stage inspection GVW of the vehicle shall be checked with full load (with equipment) with crew as per the IS</b> 3- For all I.S. stated in the specification the latest and revised or amended will be taken into consideration.		

SCHEDULE OF EQUIPMENT TO BE STOWED IN THE APPLIANCE		QNTY.		
Sl.no.	ITEMS			
1	Suction hose of rubber of 100 mm internal diameter in 2.5 m lengths (IS:3549-1983) fitted with 100 mm suction hose couplings (IS:902 -1992)	4 Nos.		
2	3 way suction collecting head 100m size (IS:904 -1983) GM.	1		
3	Suction wrenches for 100m suction coupling (IS:4643 -1984)	2		
4	Suction strainer 100mm size GM (IS:907 -1984)	1		
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6	Dividing breeching with hand control instantaneous pattern 63 mm GM (IS:5131 -2002)	1		
7	Hydrant – stand pipe one way (IS:571-1970)	1		
8	Combined key for hydrant and bar (IS:910 -1980)	1		
9	Ordinary Branch Pipe IS:903-1993, ISI Mark(G.M.) ( 12 and 14 mm)	2		
11	a) Adopter for 100 mm suction female screw coupling and 63 mm male instantaneous (GM) b) Adopter double female instantaneous pattern 63 mm (GM) c) Adopter double male instantaneous pattern 63 mm (GM)	1 1 1		
12	Dragon type torch (LED)	1		
13	Delivery hose pipe type A ISI marked 63 mm Dia with ISI marked SS coupling	10		
14	Portable fire extinguisher , ABC type 9 kg. (ISI: Mark)	2		
15	Foam making branch FB-5x with pick up tube (IS:2097 -1983)	1		
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22	Fire hook (IS:927 -1981) Hook Cluster for upto 50kg. work load.	1		
23	First aid box for 10 person	1		
24	Bolt Cutter			



	1-Size: Length 30"			
	2-Cutting jaws: made of high tensile solid alloy steel, especially heat treated with center cut heads.			
	3-Handle : With sufficient grip of rubber			
	4- Application : Suitable for cutting hard material viz bolt, iron rod of 10 to 14mm diameter.			
25	Full body harness EN certified.	02		
26	Rope manila type 20 mm dia. Grade-1 ISI mark. 110 ft	2 length		
27	Hydraulic jack-10 ton.	1		
28	<b>multipurpose nozzle as per IS/CE/EN/NFPA or equivalent</b>	1		
	<b>Specification</b>			
	1-Multipurpose nozzle shall have pistol grip(Anti-slip finger lock rubber moulded) made up of light weight aluminum alloy anodized for resistance with solid bore tip.			
	2-Ball valve operated flow control lever for shutting off.			
	3-inlet with 63mm male inlet conforming to IS:903.			
	4-Selectable variable flow settings: 360-475-565-755-950 LPM @7 Kg/m <sup>2</sup>			
	5-spray up to 120°.			
	6- Weight not more than 3.0 Kgs.			
	7-Jet throw Range from 20 meters at 360 LPM to 47 meters at 950 meters.			
29	<b>Spark arrester/muffler which can be easily attached to vehicle exhaust</b>	1		

## **SPECIAL TERMS AND CONDITION :-**

**1. Validity of bid:** Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.

**2. F.O.R.:** Various destinations in U.P.

**3.(a) Capacity of Fabrication of water tender per month must be quoted.**

**3.(b) Water Tender Fabrication may be allotted to the L-2 and L-3 Tenders if capacity of L-1 is found Less, at the rate quoted by L-1 with consent of L-2 & L-3 .**

### **4.1 Inspection:**

(a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.

(b) After award of the contract, inspection will be done by a team of Fire Service Head Quarter Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier. Inspection will be done in three stages:

(1) After fabrication of superstructure

(2) Before final painting

(3) Before delivery.

(4) The bidders must have complete testing & trial arrangement regarding fabrication of water Tender with them. If third party inspection is required the expenses will be born by the supplier the bidder must have testing facility e.g. deep lift test , flow test (v-notch )and tilting test, gradian test facility etc.

I The bidders must describe in technical bid about their past performance for last five years related to fabrication /supply of fire fighting vehicle with documentary proof.

(d) **Insurance against Chassis:** All Chassis shall be comprehensively insured (within 07 days from the date of award of contract) by the fabricator/ vender in favor of 'U.P. Fire Service Head Quarter, Lucknow' for full compensation in case of loss by theft and/ or fire or any other way whatsoever for the period after they have been handed over to the fabricator/ vender and till we take possession of these Chassis as water Tender.

(E) No drilling welding and cutting of the chassis shall be allowed.

(F) The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.

#### **4.2Supply:-**

(a)**Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 15 days from the date of award of contract, duly pledged to the **Director/ Addl. Director General of Police**, Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

(b)**Delivery period:** Delivery of proto type vehicle shall be made within 30 days from the date of receipt of the supply order and balance latest by 15<sup>th</sup> March,2016.

(c)Fabricated vehicles should be supplied on proportionate basis from the date of receipt of chassis.

(d)**Penalty** of Rs.500/- (five hundred only) per day per body will be charged for any delay in completion of work or handing over the completed body beyond the stipulated period.

(e) **Warranty** : Warranty shall be for a period of 12 months from the date of acceptance of water Tender by competent authority.

(f) **The bidders** shall have to remove all manufacturing/ operational or any other defects/problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.

(g)**Printed leaflet** and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

(h)**The decision** of technical committee will be final.

(i)**Delivery period** may be extended on reasonable ground by 'Director General/Addl. Director General of Fire Service'.

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



**UTTAR PRADESH FIRE SERVICE HEADQUARTER**

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

**TENDER NO –XXII-FS(T)-219-2015**

**DATE : 08-07-2015**

**Tenders are invited for supply of the following items on behalf of the Governor of Uttar Pradesh.**

SL. No	Name & Description of stores with full specification.	Unit	Quantity	Nature Of contract.
1	Fabrication of Foam Tender on 16 Ton Full forward control truck Chassis.	Each	02	Q/C till supply is completed.

	<b>NOTE:-</b>		
1	Rates must be quoted exclusive of excise duty, specifying the rates of excise duty if any applicable		
2	Transportation Charges of chassis (To & Fro) must be included in Basic Price.		

**DETAILED SPECIFICATION FOR FOAM TENDER AS PER I.S.: 10460-1983**

<b><u>GENERAL:-</u></b>	Accepted	Deviation
(1) Fabrication of foam tender on (16 Ton Full forward control truck Chassis) full forward diesel chassis to be supplied by the department. The appliance shall carry not less than 5000 Liters of water and 500 liters of foam compound for production of mechanical foam with the help of its built-in type pump and other accessories like a fixed foam monitor. Hand lines with number 10 foam.Branches for tackling big oil fire.		
(2) In addition to the foam production the appliance shall carry one water hose reel. Two numbers of D.C.P. Extinguishers of 75 kg. each shall be connected with 22 meters.( 25 M.M. bore) hose lines with power pistol triggers. A 35 feet long aluminium extension ladder, hooters-come-public address system (1/2 km range) Alarm Bell, search light (100 M.) spot lights and warning lights (two Nos. lumax) enclosed accommodation for 7 persons. Lockers shall be provided for reserve foam compound drums and for others foam tender ancillary equipment .		
<b><u>PUMP:-</u></b> Shall be two stage rear mounted driven by engaging appropriate P.T.O. . the pump shall be preferably single stage centrifugal pump with reciprocation priming system. It shall be capable of delivering not less then 1800 liters of water per minute. At not less then 8.5 kgf/cm <sup>2</sup> the pump casing and impeller shall be leaded tin bronze (grade-II) of I.S.-318-1962 (or revised ) pump shaft shall be made out of stainless steel and shall be carried antifriction bearing of the casing . the impeller neck ring and impeller ring shall be manufactured from high quality bronze and shall be renewable. The gland shall be of self adjusting mechanical seal and shall be capable of running dry for long period without damage. A drain plug shall be provided at the bottom of the casing. The suction inlet shall be provided with a standard 100 mm suction hose connection with internal removable strainer and blank cap chained with suitable part of the pump body there shall be 2 (two) delivery outlets with 63 mm quick relies G.M. coupling and valves. Indirect cooling system with a suitable heat exchanger shall be provided for engine cooling. Heat exchanger tank shall be made of 18 gauge brass seat and cooling coil of copper pipe not less then 13 mm Diameter. A dual water filter shall be provided in cooling pipe near pump panel board. <b>Pump shall be tested to hydraulic pressure of 21kgf/sq. cm to detect any leakage in presence of inspection committee at second stage of inspection. Pump should be UL certified.</b>		
<b><u>PRIMER</u></b> The primer shall be reciprocating type and capable of lifting water from 7 meter at the rate of not less than 30 cm per second.		
<b><u>POWER TAKE OFF</u></b> The power take off shall be VAS/WEBSTER/FIREHAWK make compatible with torque and RPM of the supplied chassis. PTO should be dynamically balanced . Guarantee Card and Sale Invoice for Specific PTO No. of Manufacturer Should be given at the time of Inspection and delivery.		

<p><b><u>WATER TANK-</u></b></p> <p>(a) The water tank of elliptical bottom and convex top shall be fabricated out of 5 mm mild steel plates. It shall be suitably baffled with not less than 3.15mm plates to prevent surge. It shall be suitably treated with corrosion resisting compound. The tank shall be so designed and mounted so as to bring the center of gravity as low as possible. Water tank mounting on the chassis shall be flexible type to prevent the tank distortion due to the chassis flexion. The mounting shall permit full contents of the tank to flow in to pump. 4 (four) suitable eyes shall be provided on the shell enable the tank to be lifted of the vehicle for repairs /replacement as necessary . <b>Radiography of water tank for all joints / welding to be ensured 100% and report of all details should be submitted at the time of second stage of inspection.</b></p>		
<p>(b) The shell be fitted with two filling orifices, a drain cock a main hole, and a cleaning hole. The filling orifice shall be not less than 2.5 cm diameter made of aluminium and shall be fitted with manhole cover of 45 cm and a filler cap. Drain cock and pipe shall be of not less 25 mm diameter and shall be provided at the bottom of the tank and it shall be fitted with bolted cover . One over flow pipe of not less than 75 mm internal diameter shall be fitted to the tank. The pipe shall be designed to ensure that water will over flow through this pipe only during refilling the tank. But no water shall over flow when the appliance is in motion.</p>		
<p>(c) One filling pipe of not less than 65 mm internal diameter shall be fitted on the tank and shall be taken down near the pump mounting. It shall be fitted with 63 mm instantaneous male coupling with special non returned valve. A visual water level indicator calibrated ¼, ½ and full shall be provided .The plumbing between the tank and the pump shall have a clear and unobstructed water way of not less than 100mm diameter . The water draw shall be protected by a wire screen filter.</p>		
<p><b><u>FOAM COMPOUND TANK-</u></b></p> <p>(1) Foam compound tank of 500 litres capacity shall be mounted on the chassis in addition to the water tank. The tank shall be made of 4 mm stainless steel and min 3.15 mm side and baffled. Stainless steel plates and suitable baffled to prevent surge. The tank shall have a filling orifice of not less than 150 mm diameter with a removable strainer filling to it. Means shall be provided to easy filling from 20 litres drum. The design of tank shall incorporate a removable sump fitted with a drain valve.</p> <p>(2) The foam compound draw off tube shall be positioned in the centre of sump in such a manner that foreign matter or sludge shall not pass into the compound line. Tube shall be fitted with a gauge strainer of suitable material, having adequate strainer area. The tank top shall be removable and it shall be ensured that the joint between the top and the body of the tank is leak proof.</p> <p>(3) Means shall be provided for automatic venting of the foam compound tank when the compound is being produced or the tank is being fitted.</p> <p>(4) The draw off tube shall be connected to the foam compound proportioner/ inductor and pump as necessary and an automatic flow control valve shall be incorporated in it so as to maintain a constant induction rate. The plumbing for this purpose shall have passage of not less than 50 mm throughout without any obstruction and shall be as short as possible. It shall be capable of being easily dismantled for internal cleaning be provided with means of thorough flushing after use and not foam “U” bend on abrupt angle at any portion and be capable of being drained easily without dismantling.</p> <p>(5) Provision shall also be made for drawing foam compound in to the foam producing system from an external source through a pickup tube while producing foam.</p>		
<p><b><u>FOAM COMPOUND PROPORTIONER/INDUCTOR</u></b></p>		

the induction ratio of foam compound water solution and flow of water are automatically varied as per demand merely by opening and closing the monitor/hand lines. This shall be achieved without any complex system or linkage.		
<p><b><u>FOAM MONITOR:-</u></b></p> <p>(a) A foam monitor shall be mounted on the roof of the cab in such a manner that a member of the crew can manually operate it. The monitor shall be capable of traversing through 360 degree in a horizontal plane, elevating from horizontal to 45 degree and depressing from horizontal to not less than 15 degree and fully rotating in both directions.</p> <p>(b) The monitor shall be fitted with a deflector to enable it to lay a wide carpet of foam for a quick coverage of spill fires when necessary. The change from jet to spray shall be instantaneous by the operation of simple lever. The monitor should be a revolving one and shall be so positioned on the roof of the cab that foam produced could be directed towards a fire at a minimum of 12 m ahead of the cab when the monitor is at its maximum depression from horizontal.</p> <p>I The aggregate foam discharge shall be not less than 13500 liters per minute through a combination of monitor and up to two hand lines or 7000 litres per minute through monitor only.</p>		
<p><b><u>HAND LINES:</u></b></p> <p>(1) Two hand lines on either side of the appliance shall, be provided. These shall terminate in foam making branch pipe fitted with spray/ jet attachments also fitted with hand control. Each foam making Branch shall be capable of delivering 500 lit / min. water foam solution.</p> <p>(2) The hand lines shall be stowed in quick release clamp in lockers as close as possible to the pump operating panel. A manual control shall be provided close to the stowage position of the hand lines.</p>		
<p><b><u>INSTRUMENT AND CONTROLS:-</u></b></p> <p>Adequately illuminated pump operating panels shall be provided on rear side of the appliance. Each of these shall include the following:-</p>		
a- Auxiliary throttle control for the engine.		
b- Pump pressure gauge calibrated to 0 to 25 kgf/cm <sup>2</sup> .		
c-Compound gauge calibrated as follows:-		
1- Pressure from 0 to 16 kgf/cm <sup>2</sup> in black and		
2- Vacuum from 0 to 760 mm of mercury in red on two third of the gauge scale circuit circumference.		
d- One 63 mm male instantaneous hydrant connection for filling . pipe with wheel type valve.		
e- Water tank contents gauge calibrated in ¼, ½, ¾ and full .		
f- Water tank Isolating valve control (wheel type).		
g- Two 63 mm female instantaneous delivery outlets of pump along with control valves.		
h- Suction inlet of the pump.		
i- control for using auxiliary foam compound pick up tube and		
J- Controls for flushing out the foam making equipment and its plumbing.		
<p><b><u>DRY CHAMICAL POWDER:-</u></b></p> <p>(1) Two separate self contained units having a capacity of 75 kg of dry powder each shall be provided. The expellant used for the dry powder shall be nitrogen. The installation shall be connected to a high pressure hose of 25 mm diameter and 22m long ending in a nozzle for straight jet or cloud with a capacity of not less than 2.25kg/s and a throw not less than 12 m in the case of straight jet. The powder as well as the powder cylinder shall conform to relevant Indian standard.(CCOE APPROVED)</p> <p>(2) The hose and nozzle shall be stored suitable in lockers on either side of the appliance to facilitate speedy run out on arrival at a accident.</p>		
<p><b><u>BODY WORK:-</u></b></p>		

<p>(a) Enclosed accommodation for 7 men including officer in charge and the driver shall be provided. <b>There shall be arrangement for hanging two numbers of BA set on the back of the seats.</b> There shall be ample space to enable the crew, except the driver, to put on protective clothing while on way to call. Adequate lighting in the cab shall be provided. Hinged doors shall be provided on both sides of the appliance. The doors should open outwards these shall be hand forward and have locks with double catch striking plates. Non slip steps and grave rails handless shall be provided to assist the driver to get in and out. Drivers seat shall be adjustable. All glasses fitted to window shall be splinter proof safety glass. The construction of the cab shall be such that the roof shall support the weight of two men without damage with 2.5 cm thermo coal lining dual sun visors and long arm out side fitting rear view mirrors shall be fitted to cab. Flooring shall be of 10 gauge Aluminum check red plates.</p>		
<p>(b)The lockers shall be covered with Aluminum roller shutter. Roller shall be made up to Hollow rectangular shape aluminum links, which shall be interconnected flooring of the lockers shall be of 14 gauge Aluminum checkred to make shutters water light. Guide rails shall support the shutter over entire length to make them absolutely torsion free. All equipment flooring of the lockers shall be of 14 gauge Aluminum checkred plate . <b>There shall be provision of one locker such that it can house a portable pump (size : length 32” width 22” and height 29” and weight not more than 90 kg can accommodate easily). All the seats will be Tata/Zindal/SAIL make and the papers Must be submitted the before inspection team.</b></p>		
<p>(c)All lockers shall be fitted with internal lighting which shall be capable of being automatically switched “on” and “off” by the opening and closing of the doors/ lids. A master switch for isolating the locker lighting circuit shall also be fitted in the driving compartment. The super structure shall be of 32X32X2.5 mm square tubing with cross section area not more than 750 cm2 . <b>The complete superstructure should be electroplated with ZINC PLATING not less than 18 microns. Then epoxy painting on it must be done after the fabrication.</b> With wivelin of 16 gauge Aluminium sheet.</p>		
<p>(d)The highest part of the appliance with the extension ladder and the monitor. Mounted on it shall not exceed 3.60m . the construction of super structure shall not reduce the angles of approach and departure below 30 degree.</p>		
<p>(e)A 10.5 m Aluminum extension ladder of two pieces shall be mounted on suitable gallows fitted with rollers and designed to facilitate easy and quick removal off the ladder by one man from the rear of the appliance. The gallows shall be fitted on members of super structure . enclosed suction gallows of 16 gauge Aluminum check red plates shall be provided.</p>		
<p><b>(f) There shall be provision of wire mesh in front of wind screen.</b></p>		
<p><b><u>WORK MAN SHIP AND FINISH:-</u></b></p>		
<p>(1) The standard of work man ship and finish of all mechanical and other parts shall be such that the part normally required to be replaced can be supplied and will fit correctly.</p>		
<p>(2) The appliance shall be painted fire red dupont paint on the out side with the fire service insignia painted in gold and black phosphating and priming coats shall be applied before painting.</p>		
<p><b><u>ACCESSORIES:-</u></b></p>		
<p>The following accessories shall be provided in addition to those normally fitted on the chassis:-</p>		
<p><b>LADDER :-</b> An extension ladder 10.5 mtrs truss type CE/EN/ISI approved shall be provided.</p>		
<p>a-Fire bell: one bell of 250 mm mouth dia “F” natural tone carillon, shall be mounted externally.</p>		
<p>b-Two fog lamp: these shall be low mounted in front of the appliance (25 watts bulb shall be provided)</p>		

<p>□ <b>c- one emergency light bar : It shall be of <u>Mars Voice Series Blue &amp; Amber</u></b>  <b>grand make (with siren and public address system) covered with wire mesh</b></p>				
<p>□□□d-One Reversing light. It shall be suitably situated to assist reversing ( 25 □□watts□□bulb shall be provided.)</p>				
<p>e-Search light: 300 mm diameter halogen bulb (100 watts with flood and beam system arrangement of range 100 m. The searchlight shall have □wiveling and both elevation and directional control. The search shall be provided with 30 m long fire retardant PCB cable and be used as portable search light along with a tripod.</p>				
<p>f-<b>TOOLS:-</b> All tools required for normal routine maintenance of the appliance, which or not included in the kit for the chassis.-</p>				
<p>g- One spot light: It shall be adjustable and shall be mounted in a convenient position on the roof of the appliance (20 watts)</p>				
<p>h- Trafficators: self cancelling with switch in the diver in the compartment (18 w.)</p>				
<p>i-Towing arrangement shall be provided at the rear of the appliance.</p>				
<p><b><u>ACCEPTANCE TESTS:-</u></b>  The fabricated foam tender shall be subjected prior to acceptance to all tests specified in the IS the 10460-1983 and other relevant standards. These tests shall be carried out at manufactures works or a place to be mutually agreed upon at the manufactures cost.</p>				
<p><b><u>INSTRUCTION:-</u></b>  1-Details/design / drawings with load distribution chart of the appliance must be accompanied with tender.</p>				
<p>□□2-Inspection of the fabrication work will be carried out in three different stages.</p>				
<p><b><u>WARNING:-</u></b>  1- No cutting welding and drilling of chassis shall be done and also manufacture will insure that fabrication work will not effect technical parameters of the chassis.</p>				
<p>2- The fully laden weight of the vehicle in any case must not exceed the specified G.V.W. for the vehicle. <b>During third stage inspection GVW of the vehicle shall be checked with full load (with equipment).</b></p>				
<p>3- For all I.S. stated in the specification the latest and revised or amended will be taken into consideration.</p>				
<p>SCHEDULE OF EQUIPMENT TO BE STOWED IN THE APPLIANCE FOAM TENDER</p>				
Sl.no.	ITEMS	QNTY.		
1	Suction hose of rubber of 100 mm internal diameter in 2.5 m lengths (IS:3549-1983) fitted with 100 mm suction hose couplings (IS:902 - 1992)	4 Nos.		
2	3 way suction collecting head 100m size (IS:904 -1983) GM.	1		
3	Suction wrenches for 100m suction coupling (IS:4643 -1984)	2		
4	Suction strainer 100mm size GM (IS:907 -1984)	1		
5	Basket strainer (cylindrical type)(IS:3582 -1984)(CANE)	1		
6	Dividing breeching with hand control instantaneous pattern 63 mm GM (IS:5131 -2002)	1		
7	Collecting breaching instantaneous pattern 63 mm (IS:904 -1983) GM			
8	a) Hydrant – stand pipe one way (IS:571-1970) b)Double female coupling (IS:901 -1988)c) Hydrant connection, 63 mm female instantaneous pattern delivery couplings at both ends (IS:901 - 1988)	1 1		
9	Combined key for hydrant and bar (IS:910 -1980)	1		
10	Ordinary Branch Pipe IS:903-1993, ISI Mark(G.M.)	2		
11	a) Adopter for 100 mm suction female screw coupling and 63 mm male instantaneous (GM) b) Adopter double female instantaneous pattern 63 mm (GM) c) Adopter double male instantaneous pattern 63 mm (GM)	1 1 1		
12	Dragon type torch (I.F.D)	1		



13	Delivery hose type A ISI marked 63 mm Dia with ISI marked SS coupling	10		
14	Portable fire extinguisher , ABC type 9 kg. (ISI: Mark)	1		
16	Foam making branch FB-5x with pick up tube (IS:2097 -1983)	1		
17	Rubber gloves (in case) (IS:4770 -1991)	2 pairs		
18	Axe, large (IS:703 -1966)	1		
19	Pick axe (IS:273 -1990)	1		
20	Crow bar (IS:704-1984)	1		
21	Steel hammer (IS:841 -1983)	1		
22	Revolving Branch Pipe for firefighting use IS: 906: 1988	1		
23	Hydraulic jack- not less than 20 ton capacity	1		
24	Fire hook (IS:927 -1981) Hook Cluster for upto 50kg. work load.	1		
25	Bolt Cutter	1		
	Specification			
	1-Size: Length 30"			
	2-Cutting jaws: made of high tensile solid alloy steel, especially heat treated with center cut heads.			
	3-Handle : With sufficient grip of rubber			
	4- Application : Suitable for cutting hard material viz bolt, iron rod of 10 to 14mm diameter.			
26	Full body harness EN certified.	02		
27	Rope manila type 20 mm dia. Grade-1 ISI mark. 110 ft	2 length		
28	Spanner adjustable 30 cm long handle (as per IS)	1		
29	Foam making branch 10 (FB 10)	2		
30	Tool kit (for normal other than supplier with chassis)	One set		
31	Grease gun ½ kg. size	1		
32	Funnel for oil or fuel filling	1		
33	Engineers File 30 cm (IS:1931 -2003)	1		
34	First aid box for 10 person	1		
35	multipurpose nozzle as per IS/CE/EN/NFPA or equivalent	1		
	Specification			
	1-Multipurpose nozzle shall have pistol grip(Anti-slip finger lock rubber moulded) made up of light weight aluminum alloy anodized for resistance with solid bore tip.			
	2-Ball valve operated flow control lever for shutting off.			
	3-inlet with 63mm male inlet conforming to IS:903.			
	4-Selectable variable flow settings: 360-475-565-755-950 LPM @7 Kg/m <sup>2</sup>			
	5-spray up to 1200.			
	6- Weight not more than 3.0 Kgs.			
	7-Jet throw Range from 20 meters at 360 LPM to 47 meters at 950 meters.			
36	Spark arrester/muffler which can be easily attached to vehicle exhaust	1		

### **SPECIALTERMS AND CONDITIONS**

1. **Validity of bid: Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.**
2. **FOUR F.O.R.: Various destinations in U.P.**
- 3.(a) **FOUR Capacity of Fabrication of Foam tender per month must be quoted.**
- 3.(b) **FOUR Foam Tender Fabrication may be Allotted to the L-2 and L-3 Tenders if capacity of L-1 is found Less, at the rate quoted by L-1 with consent of L-2 & L-3 .**
4. **Inspection:**
  - (a) The committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.
  - (b) After award of the contract, inspection will be done by indenting department at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier. Inspection will be done in three stages:



- (1) After fabrication of superstructure
  - (2) Before final painting
  - (3) Before delivery.
5. The bidders must have complete testing & trial arrangement regarding fabrication of Foam Tender with them.
6. The bidders must describe in technical bid about their past performance for last five years related to similar type of work with documentary proof.
7. **Performance Security:** The successful bidders shall have to submit an performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 07 days from the date of award of contract, duly pledged to the Director/Addl. General of Police, Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.
- 8- **Delivery period:** Delivery of Foam Tender shall be latest by 15<sup>th</sup> March, 2016.
- 9- **Insurance against Chassis:** All Chassis shall be comprehensively insured (within 07 days from the date of award of contract) by the fabricator/ vender in favor of U.P. Fire Service Head Quarter, Lucknow' for full compensation in case of loss by theft and/ or fire or any other way whatsoever for the period after they have been handed over to the fabricator/ vender and till we take possession of these Chassis as Foam Tender .
- 10- **Penalty** of Rs.500/- (five hundred only) per day per body will be charged for any delay in completion of work or handing over the completed body beyond the stipulated period as mentioned in Para 7 above.
- 11- No drilling welding and cutting of the chassis shall be allowed.
- 12- **Warranty :** Warranty shall be for a period of 12 months from the date of acceptance of Foam Tender by competent authority.
- 13- The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.
- 14- The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.
- 15- Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.
- 16- The decision of technical committee will be final.
- 17- Delivery period may be extended on reasonable ground by 'Director General./Addl. Director General of Fire Service'.
- 18- The brand names and makes of the following items must be specified in the Tech. offer by the tenderers .

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

**TENDER NO XXII-FS(T)-223-2015**                      **DATE : 08-07-2015**  
**HIGH CAPACITY PORTABLE PUMP SET(1100-1600 1/min) - 04 Nos.**

SPECIFICATION	Accepted	Deviation
1- This standard lays down requirements for material, design and construction, workmanship and finish of high capacity portable pump set (between 1100 to 1600 LPM ) for fire fighting purposes.		
<b>2- GENERAL REQUIREMENTS</b>		
a) The unit shall consist of a pump, an engine mounted on a tubular steel cradle.		
<b>3- DESIGN AND CONSTRUCTION</b>		
j) <b>Engine</b> The engine shall be Petrol Model. A well design hand starting device be provided to ensure reliable and quick starting engine.		

b)	The engine shall be Air cooled or water cooled. Direct/Indirect cooling system, fitted with adequate capacity to prevent overheating and to maintain engine temperature in range recommended for the engine.		
c)	The engine fuel tank shall have the capacity to allow running of pump for minimum one hour continuously at the rated output. It shall be provided with refilling and checking the contents.		
4)	<b>PUMP</b>		
a)	The pump shall be centrifugal type directly mounted to the engine. The pump shall be designed to have easy access to the impeller with the outer face carrying suction /delivery, priming device, etc. The shaft shall be supported on antifriction bearing external to the casing. Pump shall be fitted with a self adjusting mechanical seal which consists of a carbon ring running on stainless steel face. A drain plug shall be provided at the bottom of the pump casing/volute. The pump suction shall have round threads (IS 902:1974). The delivery shall be fitted with two numbers of instantaneous couplings (IS 902:1974) with screw down valves. The pump suction and delivery outlets shall be provided with blank caps.		
b)	The impeller shall be dynamically balanced and the pump shall be hydraulically tested to a pressure of 16.5 kgf/cm square for a period of 2 minutes.		
c)	The pump shall be tested for its performance duties with only internal and suction strainer fitted at suction lift of 3 m.		
	<b>Output</b>	<b>At pressure</b>	
1-	The rated value, (that is value between 1100 to 1600 1/min)	7 kgf/cm square	
2-	70 percent of rated Min	8.5 Kgf/cm square value	
5-	The pump shall be tested for the performance duties given in of IS:12717-1989 at the water temperature of 27±2°C and at a pressure of 760 mm. of mercury to give its rated output for 4 hours continuously. The following allowances (deductions) shall be made:		
a)	Allowance for output:		
1)	One percent for every 2.5°C rise in water temperature,		
2)	Four percent for every 300 m above mean sea level, and		
3)	No allowance shall be made for humidity up to 75 percent. However, an allowance at the rate of 1 percent for every 3 percent change in humidity shall be made when humidity ranges from 75 to 95 percent.		
b)	Allowance for lift:-		
1)	300 mm for every 300 m above mean sea level , and		
2)	One percent for 2.5° C rise in water temperature.		
6-	<b>Primer-</b>		
a)	<b>Primer Test</b>		
	Primer should be capable of lifting water from a depth of 7.0 m in 30 seconds when connected by 4 lengths of suction house of 2.5 m each (100 mm dia) ( the depth measurable from the eye of the impeller. )		
7-	<b>Control Panel-</b>		
	The control panel shall include the following:		
a)	Throttle control.		
b)	Cold start control-choke,		
c)	Primer control (lever).		
d)	Ignition interrupter switch.		
e)	Pump suction compound gauge.		
f)	Pump delivery pressure gauge.		
g)	Engine oil pressure gauge,		
h)	Flood light,		
j)	Engine water temperature gauge and		
k)	Engine battery condition indicator/ meter.		
	The above controls and gauges shall be grouped conveniently and the panel shall be mounted adjacent to pump suction/delivery.		
8-	<b>Frame-</b>		
	It shall be fitted with 4 numbers (two forward and two rear) spring loaded lifting handle capable of folding inside when not in use. A pair of detachable wheels may be provided.		
9-	<b>WEIGHT-</b>		
	The weight of the pump must not be more than 125 kg. with fuel, lub oil and water in cooling system if any.		
10-	<b>WORKMANSHIP AND FINISH</b>		
a)	All parts of the unit shall have good workmanship.		
b)	The frame and fuel tank shall be painted in fire red colour except the parts built of stainless steel namely, fuel tank, tubular frame work, etc.		
11-	<b>INSTRUCTION BOOK AND EQUIPMENT</b>		
i)	Instruction book including both operating and normal maintenance procedures shall be provided for the guidance of the user. The book shall include an itemized and illustrated spare parts giving reference numbers of all the parts.		
ii)	<b>Equipment -</b>		
	The following equipment shall be provided along with the pump unit:		

a)100 mm suction hose in 2.5 m length with 100 mm suction hose couplings (IS 902:1974)- 4 Nos.		
b)Suction wrenches for 100 mm suction hose couplings (IS 4643:1968) - 2 Nos.;		
c)Suction strainer for 100 mm suction hose;		
d)Basket strainer suitable for 100 mm suction hose;		
e)Adapter of size 65 mm (male) instantaneous coupling x 100 mm female suitable for RT (right hand threads); and		
f)Tools		
A tool kit comprising all essential tools required for normal maintenance.		
<b>12- MARKING</b>		
i) Each pump unit shall be clearly and permanently marked with the following information:		
a) Manufacturer's name and trade name,		
b) the out put capacity of pump in 1/Min,		
c) Weight of the pump set,		
d) Year of manufacture,		
e) Serial nos. and type of engine and pump, and		
f) Short instruction for operation of the pump set.		

## **SPECIAL TERMS AND CONDITION :-**

1. Validity of bid: Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.
2. F.O.R.: destinations in U.P.


### **3.1 Inspection:**

- (a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders
- (b) After award of the contract, inspection may be done by FSHQ Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier.
- (c) The bidders must have complete testing & trial arrangement regarding supply of High Capacity portable pump with them. If third party inspection is required the expenses will be borne by the supplier the bidder must have testing facility e.g. deep lift test , flow test (v-notch )and tilting test, gradient test facility etc.
- (d) The bidders must describe in technical bid about their past performance for last five years related to supply of High Capacity portable pump with documentary proof.

### **3.2 Supply:-**

- 1. Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 7 days from the date of award of contract, duly pledged to the '**Director/Addl. Director General of Police, Fire Service Headquarters, U.P., Lucknow**' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.
- 2. Delivery period:** Delivery of equipment shall be latest by 15<sup>th</sup> March, 2016.
- 3. Penalty** of Rs.100/- (one hundred only) per day per equipment will be charged for any delay in completion of work or handing over the completed equipment beyond the stipulated period.
- 4. Warranty :** Warranty shall be for a period of 12 months from the date of acceptance of High Capacity portable pump by competent authority.
- The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.
- Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.
- The decision of technical committee will be final.
- The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.
- 9. Delivery period** may be extended on reasonable ground by 'Director General/Addl. Director General of Fire Service .

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.

	<h2 style="margin: 0;">UTTAR PRADESH FIRE SERVICE HEADQUARTER</h2> <p style="margin: 0;">4<sup>th</sup> &amp; 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW</p>
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**TENDER NO –XXII-FS(T)-220-2015**

**DATE : 08-07-2015**

SL. No	Name & Description of stores with full specification.	Unit	Quantity	Nature Of contract.
1	Fabrication of <b>HIGH PRESSURE WATER TENDER</b> on LCV Chassis.	Each	03	Q/C till supply is completed.

	<b>NOTE:-</b>		
1	Rates must be quoted exclusive of excise duty, specifying the rates of excise duty if any applicable		
2	Transportation Charges of chassis (To & Fro) must be included in Basic Price.		

		Accepted	Deviation
<b><u>GENERAL:</u></b>			
LCV COWL & Chassis will be supplied by U.P. Fire Service. The vehicle shall have front & rear towing facility. For instruments provided for monitoring parameters, units such as km/hr, °c, kg/cm <sup>2</sup> , shall be used.			
<b><u>CABIN:</u></b>			
1- The double cabin shall be with a provision for seating 6 people. The cabin will accommodate 1 driver, 1 Leading Fireman (LFM) & 4 firemen. The cabin shall have 4 doors and the seats shall be properly cushioned & upholstered with good quality rexine. The body shall be made of 2mm thick MS pressed sections, square tubes, angles etc. The complete structure shall be first ZINCPLATED not less 18 microns and then EPOXY painted for better corrosion resistance. <b>All the seats will be Tata/Zindal/SAIL make and the papers Must be submitted at the time of second stage of inspection.</b>			
2- The body shall be externally paneled with 1.6mm aluminum sheets & internally paneled with 1.2mm aluminum sheets. 25mm thick Thermocol should be sandwiched between internal & external panels. Flooring shall be of 2mm thick aluminum chequered plate. The doors on both sides should have sliding type aluminum panel windows. The aluminum panels should be powder coated. On both the side of driver rear view mirrors should be installed. All the glass shall be protected by heavy gauge 1 sq. inch wire mesh. <b>All the seats will be Tata/Zindal/SAIL make and the papers Must be submitted at the time of second stage of inspection.</b>			
<b><u>WATER TANK:-</u></b>			
1- The water tank shall be of 2500 Ltrs. Capacity made of 4mm MS duly Zinc plated and epoxy coated for corrosion resistance. A 500mm dia manhole shall be provided on the top of the tank with 200mm threaded water inlet with a blank cap. A male coupling shall be provided near the pump for water replenishment fitted with a ball valve. The tank should have a drain hole with 50mm dia. Ball valve. A 50mm line has to be provided for over flow. This pipe should not be near or between the wheels. 75mm suction male coupling with valve provided for drawing water for portable pump.			
2- All the piping & flanges of the pump/tank should be of good quality MS duly galvanized for corrosion resistance. All valves used should be of investment casting. 2 Nos. 3mm baffle plate shall be provided. The tank side plates shall be die-pressed for more strength and torsion resistance. The tank shall be mounted on a runner fixed on the chassis frame. The tank shall be provided with 2 lifting eyes. Balata packing shall be provided between chassis runner & chassis. Radiography of water tank for all joints / welding to be ensured 100%.			

<b>and report of all details should be submitted at the time of second stage of inspection.</b>		
<b><u>PUMP:</u></b>		
The pump for this vehicle shall be of a capacity of 150 LPM @100 bar pressure. The pump shall be <b>three plunger positive displacement type</b> working to the capacity at not more than 1000 RPM. A by-pass for letting the water back to the tank shall be provided to release excess pressure generated due to shutting of the hand lines or while discharging 150 LPM @40 bar or 75 LPM @100 bar. The pump shall be guaranteed for a min. life of 5000 hours. The pump shall have plunger and cylinders ceramic coated and lined. The pump suction line shall have inline mesh filters. The pump shall deliver water to hose reels and cooling system.. <b>Pump should be UL certified.</b>		
e) Taper punch with persuader :1NO.		
f) 16 mm dia nylon rope : 2Nos. 30m long		
g) 20 mm dia manila rope : 1 No. 30m long		
h) AFF Foam Jerry cans (12Ltrs.) : 2 Nos.		
i) Portable pump Of 275 LPM @ 4.5 kg with Greaves make engine : 1 unit and provision for taking out water for fire fighting .		
j) high pressure pump and gun shall have relevent EN/NFPA/DIN/CE certification		
<b><u>STABILITY:</u></b>		
Fully filled with water, the fabricated vehicle shall undergo a TILT test of 27.5° angle from the horizontal plain & the vehicle tilted to this angle should not topple down. Gradiability test shall be demonstrated to 1:4 with the fully laden appliance, without the front and the rear part of the vehicle touching down.		
<b><u>MISCELLANEOUS REQUIREMENTS:</u></b>		
The vehicles shall conform in all respect of the provisions contained in the M.V. Act and M.V. Rules 1989 or to any other statute modifications or re-enactments thereon from time to time. All the equipment necessary for R.T.O.'s clearance shall be provided on vehicles.		
<b><u>DATA, INFORMATION &amp; DRAWING:</u></b>		
Full detailed information of the body shall be submitted for approval before fabrication. The detailed drawing of the body, showing details of construction, water tank drawing showing baffle walls arrangement, mounting arrangement, PTO mounting drawing etc. Full detailed drawing of the ladder showing details of construction, technical data sheets of the pump etc shall be submitted along with the tender.		
<b><u>WORKMANSHIP AND MATERIAL:</u></b>		
1- Workmanship executed shall be of the highest order. All rivets and bolt holes shall have a coat of approved paint on both surface before riveting or bolting or welding. All steel screws, bolts, nuts, rivets etc. shall be zinc coated or shall have rust proof coats by a recognized process. The roof joints shall be subjected to rigid water test at our workshop in presence of purchaser's representative. All directions & instructions on all points related to the fabrication shall be executed whenever given by the Purchasers representative for quality workmanship.		
2- All the material shall be used in the fabrication of the body work shall be of good quality or approved make & type. All equipment & material shall comply with the requirements of the latest relevant IS specifications. The structure of the vehicle shall be rattle free and noiseless while in motion. No welding shall be done on chassis.		
<b><u>HOSE REELS: 02 LENGTH HOSES OF 60M EACH &amp; ADDL. ONE LENGTH 30M WITH SUITABLE COUPLINGS.</u></b>		
The hose shall mounted at the rear of the vehicle complete with geared winding system. At the discharge ends of both the hose reels the high-pressure fog guns of capable of discharging - 75 LPM @ 100 bar / 150 LPM @ 40 bar in jet or Fog patterns, as required shall be connected. The jet range shall not be less than 20 mtrs. and fog shall be of 50 microns water droplets at 45° angle.		
High pressure hose Reel Tube Two wire Braid Hose 60 Meter Length and performance requirement of DIN- 20022 2SN/EN-85325N.		
1. Oil and Water resistant synthetic rubber tube.		
2. Internal DIA : 15.9mm		
3. Working pressure : 250 Bar		
4. Minimum Burst pressure : 1000 Bar		
5. Minimum Bend Radius : 4"		
6. Flame resistant tube Acceptance Designation "US. MSHA 2G"		
<b><u>PTO UNIT:</u></b>		
A full torque drive line PTO shall be installed for operating the pump. This PTO should be of a proper gear ratio to drive the pump at the required RPM without loss of power from the engine & also preventing engine overheating. <b>The power take off shall be VAS/WEBSTER/FIREHAWK make compatible with torque and RPM of the supplied chassis.</b>		
<b><u>INSTRUMENTS &amp; CONTROLS:</u></b>		
Adequately illuminated numn control panel shall be provided on the appliance on a plate fitted with anti-		

vibration pad housing RPM meter, Pressure gauge & light. The panel shall be compact and have:		
Auxiliary throttle control for engine		
Pump pressure gauge		
Plastic tube type level gauge with fluorescent floating indicator		
Pressure regulator		
<b>COOLING SYSTEM:</b>		
An appropriate closed circuit indirect cooling system, to cool the engine, with return back to the sump, shall be provided.		
<b>ELECTRICAL SYSTEM:</b>		
12 Volt, 180 Ah capacity battery with 63 Amp alternator shall be provided.		
<b>ACCESSORIES:</b> The vehicle shall be equipped with following accessories:		
(a) one emergency light bar : It shall be of Mars Voice Series Blue & Amber grand make (with siren and public address system) covered with wire mesh		
a) A Extension Ladder 10.5 Mtrs. (trussed type ) shall be CE/EN/ISI approved.		
b) Two nos. reverse lights - automatic with the gear box.		
c) Single plate mudguard shall be provided on all wheels.		
d) Space for automobile battery to be provided for housing 21 plate battery at the lower level at the exterior of the cab.		
e) Platforms shall be provided at the rear of the tender.		
f) Spark arrester/muffler which can be easily attached to vehicle exhaust	1	
<b>SPACE FOR THE BELOW MENTIONED ACCESSORIES WILL BE PROVIDED ON THE VEHICLE. THE LOCKERS FOR THE SAME WILL BE OF THE ALLUMINUM ROLLER SHUTTER TYPE. DETAILS OF THE SAME SHOULD BE PROVIDED IN THE OFFER.</b>		
<b>Mandatory Accessories TO BE PROVIDED ALONG WITH THE VEHICLE</b>		
a) DCP fire extinguishers as per IS 2171 (5 kg) : 1 No.		
b) Large Axe as per IS 703 : 2 Nos.		
c) Crow bar as per IS 704		
• 20mm dia X 1m long : 1 No.		
• 20mm dia X 0.5m long : 1 No.		
d) Sledge hammer-10 pounds as per IS 841 : 1 No.		
e) Portable pump of 275 LPM @ 4.5 Kg		
f) Hose pipe 63 mm 10 Nos.		

#### SPECIAL TERMS AND CONDITION :-

- Validity of bid:** Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.
- F.O.R.:** Various destinations in U.P.
- (a) Capacity of Fabrication of High pressure water tender per month must be quoted.**
- (b) High pressure water tender Fabrication may be Allotted to the L-2 and L-3 Tenders if capacity of L-1 is found Less, at the rate quoted by L-1 with consent of L-2 & L3**
- Inspection:**
  - The committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.
  - After award of the contract, inspection will be done by indenting department at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier. Inspection will be done in three stages:
    - After fabrication of superstructure
    - Before final painting
    - Before delivery.
- The bidders must have complete testing & trial arrangement regarding fabrication of **High pressure water tender** with them.
- The bidders must describe in technical bid about their past performance for last five years related to similar type of work with documentary proof.
- Performance Security:** The successful bidders shall have to submit an performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 07 days from the date of award of contract, duly pledged to the Director/Addl. General of Police, Fire Service Headquarters, U.P., Lucknow' failing which their

tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**8- Delivery period:** Delivery of **High pressure water tender** shall be latest by 15<sup>th</sup> March, 2016.

**9- Insurance against Chassis:** All Chassis shall be comprehensively insured (within 7 days from the date of award of contract) by the fabricator/ vender in favor of 'U.P. Fire Service Head Quarter, Lucknow' for full compensation in case of loss by theft and/ or fire or any other way whatsoever for the period after they have been handed over to the fabricator/ vender and till we take possession of these Chassis as **High pressure water tender**.

**10- Penalty** of Rs.500/- (five hundred only) per day per body will be charged for any delay in completion of work or handing over the completed body beyond the stipulated period as mentioned in Para 7 above.

**11-** No drilling welding and cutting of the chassis shall be allowed.

**12- Warranty :** Warranty shall be for a period of 12 months from the date of acceptance of Foam Tender by competent authority.

**13-** The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.

**14-** The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.

**15-** Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

**16-** The decision of technical committee will be final.

**17-** Delivery period may be extended on reasonable ground by 'Director General./Addl. Director General of Fire Service'.

**18-** The brand names and makes of the following items must be specified in the Tech. offer by the tenderers.

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

TENDER NO –XXII-FS(T)-224-2015

DATE : 08-07-2015

### BREATHING APPARATUS SET WITH DSU & SPARE CYLINDERS (carbon composite cylinder ) 10 nos.

Specification	Accepted	Deviation
<b>A- GENERAL REQUIREMENT:</b>		
1- The set should be self-contained open circuit type compressed air Breathing Apparatus fully confirming to EN 137 standard and EN 137 class ii- 2006 or latest.		
2- The cylinder of the set should be approved by CCOE India.		
3- The minimum duration of use of the set should not be less than 45 minutes.		
4- The design of the set should be such that it shall be possible to use the set under water up to the depth of 1 meter.		
5- The main valve of the air cylinder should be so arranged that it can be operated in worn position by the wearer.		
6- The design of the set should be flexible to allow the use of cylinders of different size and it should be possible to change the cylinder without the need of a any special tool.		
<b>B-MATERIALS:</b>		
1- The back plate of the set should be made from carbon composite material.		
2- The facemask should be made from EPDM/ Neoprene/ Silicon rubber.		



3- The material of the facemask visor should be demisting, scratch proof polycarbonate.		
4- The materials used for the fabrication of various parts of the set should be anti-static.		
5- The shoulder strap and hip belt should be made from Kevlar with Nomex padding.		
6- The high and low pressure hoses should not be interchangeable.		
<b>C- WEIGHT :</b>		
The weight of the ready to use set with facemask and fully charged compressed air cylinder should not exceed 16 kg.		
<b>D –BACK PLATE (BODY HARNESS):</b>		
1- All the adjusting devices should be so constructed that once adjusted they would not slip inadvertently.		
2- The back plate should have universal type cylinder strap to accommodate all types of cylinders, from 6.0-liter to 9.0-liter cylinder, with cam lock mechanism.		
3- The back plate should be ergonomically designed to follow the natural contour of the back and the weight should be concentrated on hips to reduce the back strain, stress and fatigue. It should allow the user to DON and DOFF the set quickly and easily without assistance.		
<b>E -FACEMASK:</b>		
The facemask should be in accordance and approved as per EN 136. Or latest		
<b>F -AIR CYLINDER:</b>		
1- The air cylinder should have a minimum water capacity of 6.0 liters and free air capacity of min.1800 liters when filled at a pressure of 300 bars.		
2- The material for cylinder should be carbon composite and the cylinder diameter should not be less than 140 mm.		
3- The cylinder should be CCOE India/PESO tested .		
<b>G –PRESSURE REDUCER:</b>		
1- Small, light, sturdy pressure reducer with high air delivery with direct filling devices and a safety pressure relief valve.		
2- The pressure reducer valve should have a high-pressure outlet and low-pressure outlet with a warning whistle.		
3- The pressure reducer valve should have a provision of safety pressure relief valve.		
4- The pressure reducer should provide up to 1000 lpm flow of air.		
<b>H –LUNG DEMAND VALVE:</b>		
1- The LDV should start the air supply as soon as the wearer takes the first breath and shall be equipped with a bypass facility.		
2- The LDV housing should have molded construction and should house all the components of LDV. The design of LDV should be as small as possible and should not restrict the view of the wearer when attached to the facemask.		
3- The LDV should be attached to the facemask in such a way that it should not create any hindrance to the firemen while crawling.		
4- The LDV should have flow not less than 500 liters per minute and should activate at first breath at 20 – 30 mbar.		
<b>I –HOSES:</b>		
1- All the hoses used in the set should be flexible and non-kinking type and should permit the free movement of the head.		
2- The hoses should not restrict or close the supply at any time and shall not collapse.		
3- The hose connected to the lung demand valve from the pressure reducer including the connector should be capable of withstanding twice the operating pressure of pressure reducer safety valve or 30 bar, whichever is higher for a minimum of 15 minutes.		
<b>J –OPERATION AND MAINTANENCE MANUAL:</b>		
The manufacturer should supply operation and maintenance manuals with each BA Set plus two additional sets. All manuals should be in English.		
<b>K-GUARANTEE:</b>		
1- The manufacturer should give the guarantee of minimum 12 calendar months from the date of supply of goods against any manufacturing defects.		
2- The manufacturer should also give guarantee for the supply of spares and service for minimum period of 10 years from the date of supply of goods.		
<b>L-AFTER SALES SERVICE</b>		
The supplier should have a full fledged after sales service facility in India in accordance to BIS 10245. It should have the following facilities for testing.		
1- Instruments for measuring the air flow capacity, breathing resistance and exhalation resistance.		
2- Instrument for conducting Positive and Negative Pressure Leak tests for mask/lung demand regulator		



3- Artificial lung simulator for Respirator Performance tests.		
4- Facility for refilling and hydrostatic testing of cylinders duly approved by CCOE/PESO Nagpur.		
<b>M-CARRYING CASE -</b>		
Carrying case should be supplied along with each set.		
<b>N-DISTRESS SIGNAL UNIT-</b> Each SCBA set should be provided with a separate D.S.U. in dependently operating on its own , should be small ,lightweight, which can be easily fixed at users waist belt with the help of a clip, developed for the fire service suitable for critical fire fighting and rescue applications . It should have international approvals e.g. N.F.P.A/EN/CN		
<b>O- The complete set must comply EN-137 class ii – 2006 or latest.</b>		

### **SPECIAL TERMS AND CONDITION:-**

1. ☐ Validity of bid: Bid should remain valid for a period of 180 days from the date of opening ☐ of financial ☐ bid. Validity of bid can be extended with mutual consent.
2. ☐ F.O.R.: Various destinations in U.P.

#### **3.1 Inspection:**

- (a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.
- (b) After award of the contract, inspection may be done by FSHQ Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier.

© The bidders must describe in technical bid about their past performance for last five years related to supply of **BREATHING APPARATUS SET WITH CYLINDERS** with documentary proof.

#### **3.2 Supply:-**

**1. Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 07 days from the date of award of contract, duly pledged to the **Director/ Addl Director General of Police, Fire Service Headquarters, U.P., Lucknow** failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**2. Delivery period:** Delivery of equipment shall be latest by 15<sup>th</sup> March, 2016.

**3. Penalty** of Rs.100/- (One hundred only) per day per **BREATHING APPARATUS SET WITH CYLINDERS** will be charged for any delay in completion of work or handing over the completed equipment beyond the stipulated period.

**4. Warranty :** Warranty shall be for a period of 12 months from the date of acceptance of equipment by competent authority.

5. The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.


6. Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

7. The decision of technical committee will be final.

**8. Delivery period** may be extended on reasonable ground by 'Director General,/Addl. Director General of Fire Service .

9. The onus of liability lies on the bidder to attach an updated copy of any standard like BIS ☐ Europion etc., mentioned in the tender document.

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.

	<p align="center"><b>UTTAR PRADESH FIRE SERVICE HEADQUARTER</b></p> <p align="center">4<sup>th</sup> &amp; 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW</p>
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TENDER NO –XXII-FS(T)-226-2015

DATE : 08-07-2015

**MULTI-LAYER FIRE PROXIMITY SUIT - 10 Nos.**

SPECIFICATION OF MULTI-LAYER PROXIMITY SUIT, GLOVES, BOOT, HOOD, HELMET WITH ACCESSORIES	Accepted	Deviation
<b>Multilayer fire proximity suit with accessories</b>		
1- Suit Multilayer fire coat and over trousers		
2- Material Three layer assembly containing an outer shell made of inherently flame resistant Aramid or equivalent FR fabric , breathable moisture barrier and thermal layer with liner to insulate against heat. Outer shell fabric shall be in Blue or Black colour. Both Fire Jacket and Trouser should have EN certified Triple Trim Reflective tape of 50 mm width as per the requirements stipulated in EN 469 Standards.		
3- Conformity <b>EN 469: 2008 Level 2 , CE marked or latest</b>		
<b>Gloves</b>		
Multilayer fire fighter gloves As per EN 659 , CE marked or equivalent or latest		
<b>BOOT</b>		
Fire fighter boot As per EN 15090 standard or latest		
<b>Hood &amp; Helmet</b>		
Hood Flame resistant knitted hood made of inherently FR fabric Helmet Fireman Helmet as per EN 443 standard, CE marked complete with EN 166 Visor , providing shell protection to the upper neck area besides head portion. The Helmet shall be supplied in Yellow/ Red/ Fluorescent green colour.		
Certificates All certificate must be submitted showing conformity to stated standards		

**SPECIAL TERMS AND CONDITION:-**

1. Validity of bid: Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.
2. F.O.R.: destinations in U.P.

**3.1 Inspection:**

- (a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.
- (b) After award of the contract, inspection may be done by FSHQ Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier.

I The bidders must describe in technical bid about their past performance for last five years related to supply of **MULTI-LAYER FIRE PROXIMITY SUIT** with documentary proof.

### 3.2 Supply:-

**1. Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 7 days from the date of award of contract, duly pledged to the 'Director/ Addl Director General of Police Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**2. Delivery period:** Delivery of equipment shall be latest by 15<sup>th</sup> March, 2016.

**10. Penalty** of Rs.100/- (one hundred only) per day per equipment will be charged for any delay in completion of work or handing over the completed equipment beyond the stipulated period.

**11. Warranty:** Warranty shall be for a period of 12 months from the date of acceptance of equipment by competent authority.

**12.** The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.

**13.** Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

**14.** The decision of technical committee will be final.

**15. Delivery period** may be extended on reasonable ground by 'Director General,/Addl. Director General of Fire Service.

**16.** The onus of liability lies on the bidder to attach an updated copy of any standard like BIS /Europion etc., mentioned in the tender document.

( P.k. Rao )  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

TENDER NO-XXII-FS(T)-225-2015

DATE 08-07-2015

### SPECIFICATION OF CHEMICAL AND GAS TIGHT SUIT LEVEL – A - 10 Nos. .

	Accepted	Deviations
<b>Chemical and Gas Tight Suit</b>		
1- Level Level-A gas tight suit		
2- Suitability Suitable to be used with Breathing Apparatus Set		
3- Resistance Resistant against a wide range of chemicals like acids, gaseous flames, liquids etc.		
4- Conformity EN 943-2: 2002 standard or Equivalent		
5- Certificate Copy of certificates showing conformity to stated standard		

### SPECIAL TERMS AND CONDITION:-

1. Validity of bid: Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.

2. F.O.R.: Various destinations in U.P.

### 3.2 Inspection:

(a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.

(b) After award of the contract, inspection may be done by FSHQ Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier.

© The bidders must describe in technical bid about their past performance for last five years related to supply of **CHEMICAL AND GAS TIGHT SUIT** with documentary proof.

**3.2 Supply:-**

**1. Performance Security:** The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 07 days from the date of award of contract, duly pledged to the **Addl/ Director Director General of Police**, Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**2. Delivery period:** Delivery of equipment shall be latest by 15th March, 2016.

**3. Penalty** of Rs.100/- (One hundred only) per day per **CHEMICAL AND GAS TIGHT SUIT** will be charged for any delay in completion of work or handing over the completed equipment beyond the stipulated period.

**4. Warranty :** Warranty shall be for a period of 12 months from the date of acceptance of equipment by competent authority.

5. The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.

6. Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

7. The decision of technical committee will be final.

**8. Delivery period** may be extended on reasonable ground by 'Director General,/Addl. Director General of Fire Service .

9. The onus of liability lies on the bidder to attach an updated copy of any standard like BIS/Europion etc., mentioned in the tender document.

**( P.k. Rao )**  
Joint Director,  
Fire Service Hqrs,  
Lucknow.



## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

TENDER NO -XXII-FS(T)-222-2015

DATE 08-07-2015

TECHNICAL SPECIFICATION FOR HIGH PRESSURE PUMP WITH WATER MIST TECHNOLOGY TO BE FABRICATED ON A SMALL COMMERCIAL PICK UP TYPE VEHICLE HAVING A PAYLOAD OF MINIMUM ONE TON CAPACITY- 14 nos.

Chassis will be provided by U.P. Fire Services Head Quarter ,Lucknow.

	NOTE:-		
1	Rates must be quoted exclusive of excise duty, specifying the rates of excise duty if any applicable		
2	Transportation Charges of chassis (To & Fro) must be included in Basic Price.		

SPECIFICATION	Accept	Deviation
<b>1-Forward</b>		
<b>1-</b> The specification covers the requirements of design, manufacture, testing, supply of MINI WATER TENDER BASED ON WATER MIST TECHNOLOGY- 400 LTRS CAPACITY mounted on a prime mover of pay load capacity of 1 ton.		
<b>2-DESCRIPTION:</b>		
1.The vehicle shall comprise of the following components		
2.Water Mist Fire Fighting System		
3- The water mist fire fighting system shall have a filling volume of 400 liters of Water and 50 liters of Foam. (total 450 ltrs 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.		
<b>3-Specification/Details of the Unit</b>		
Weight of empty 400 ltrs. Unit . . . . . <150 kgs.( Max)		
Max. Measurements of the unit (in mm):.....As compact as possible		
Usable Water capacity: . . . . . 400 ltrs.		
Usable Foam capacity . . . . . 50 ltrs		
No. of deliveries . . . . . 2-Nos		
<b>4- Main Extinguishing Gun -</b>		
Flow rate . . . . . 22 ltrs/min( ±5%)		
Weight of extinguishing 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 mts. (+/- 10%) Spray: not less than 6m (+/- 10%)		
High pressure Hose reel Tube length 60mts and performance requirement of DIN-		

20022 2SN/EN-85325N(must confirm latest (standard) on manual drum. Working pressure of hose reel should not be less than 250 bar, minimum burst pressure 1000 bar and minimum bend radius 4". Flame resistant tube Acceptance Designation "US MSHA 2G"		
Max. set operating pressure.....100 bars		
Starter.....Electric starter with provision of Pull cord over-ride		
Level Indicator.....Mechanical		
Max. set operating pressure.....100 bars		
Starter.....Electric starter with provision of Pull cord over-ride		
Level Indicator.....Mechanical		
<b>5- Main Pump-</b>		
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		
High pressure Pump and gun shall have <input type="checkbox"/> relevant EN /NFPA/DIN certification		
<b>6- ENGINE-</b> 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.		
<b>7- Foam Induction</b> - 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.....50lts( Min).(included in the water tank and rested from the water tank which will remain with 400 litres)		
Max. induction.....6% ( From 0,5 to 6 adjustable)		
<b>8- Accessories</b>		
Electric starter(Enabling the Unit to be Electrically started) 1		
Additional hose(Real) length of 30 mts. With Drum 1 Per Set.		
- Aqueous film forming foam (AFFF) 50 ltrs filled in the foam tank .		
-Tool kit comprising of 1 no adjustable spanner 12", 1 no. cutting plier, 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.		
<b>9- DESIGN &amp; DEVELOPMENT</b>		
Equipment details:-		
The Water Mist Fire Fighting System will be a self driven fire fighting 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 400 liters of water and Foam tank of 50 <b>made of SS</b> 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.		
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		
The size of mist particle shall be in the range of 150 to 300 microns.		
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.		
The foam required shall be aqueous film forming foam ( <b>AFFF</b> ).		
The unit shall have adequate provisions for safety of the system.		
<b>10- SAFETY DEVICES</b>		
The following safety device 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.		
<b>11. MAIN WATER TANK-</b> The water tank shall be made of <b>SS</b> giving a free corrosion for life and a lightweight of the WATER MIST SYSTEM, having useable water storage capacity of 450 ltrs (400 for water and 50 ltrs capacity for foam) properly baffled into		

segment to reduce water surge. The water tank shall be T shaped and the thickness of the water tank should be of 5mm minimum. A man hole of Ø 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.		
12 <b>GUN-</b> The gun shall be provided with a suitable stainless steel filter. The discharge rate of main gun shall not be less than 20 ltrs/Min at pressure not exceeding 100 bars. The second gun should have a flow rate not exceeding 20 LPM. The design of gun shall be such that there is no appreciable re-coil pressure and the throw shall not be less than 15 mts (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.		
13. <b>HOSES-</b> Hoses- must confirm latest EN/DIN OR Equivalent Standard.		
The hoses provided in the system shall be high quality and shall be capable of holding the temp. ranges -20° to + 55°C. 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 60 M		
The seals and O-rings used in the system should be of synthetic material like Nitrile rubber or equivalent.		
14. <b>MARKING-</b> Marking shall give details of capacity, manufacturer's name, month/year of manufacturing of the system etc.		
15. <b>Test of acceptance of fire fighting system</b> – Physical dimensions, performance & weight check of equipment as given under different items above shall form part of test of acceptance.		
16 canopy/hood should be provided for this Unit		
<b>17-BLINKERS BAR LIGHT</b>		
- <b>one emergency light bar : It shall be of Mars Voice Series Blue &amp; Amber Grand make (with siren and public address system) covered with wire mesh.</b>		
18- Spark arrester/muffler which can be easily attached to vehicle exhaust	1	

#### SPECIAL TERMS AND CONDITION :-

1. **Validity of bid: Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.**
2. **■■■■■■■■F.O.R.: Various destinations in U.P.**
- 3.(a) **■■■■■Capacity of Fabrication of HIGH PRESSURE PUMP WITH WATER MIST TECHNOLOGY per month must be quoted.**
- 3.(b) **■■■■■HIGH PRESSURE PUMP WITH WATER MIST TECHNOLOGY Fabrication may be allotted to the L-2 and L-3 Tenders if capacity of L-1 is found Less, at the rate quoted by L-1 with consent of L-2 & L-3 .**
- 4.1 **Inspection:**
  - (a) A high level committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.
  - (b) After award of the contract, inspection will be done by Fire Service Head Quarter Lucknow at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier. Inspection will be done in Two stages:
    - (1) After fabrication of superstructure and installation of pump etc.,
    - (2) Before delivery.
  - (3) The bidders must have complete testing & trial arrangement regarding fabrication of HIGH PRESSURE PUMP WITH WATER MIST TECHNOLOGY with them. If third party inspection is required the expenses will be born by the supplier the bidder must have testing facility e.g. deep lift test , flow test (v-notch )and tilting test, gradian test facility etc.
  - I The bidders must describe in technical bid about their past performance for last five years related to fabrication /supply of fire fighting vehicle with documentary proof.
  - (d) Insurance against Chassis: All Chassis shall be comprehensively insured (within 07 days from the date of award of contract) by the fabricator/ vender in favor of 'U.P. Fire Service Head Quarter, Lucknow' for full compensation in case of loss by theft and/ or fire or any other way whatsoever for the period after they have been handed over to the fabricator/ vender and till we take possession of these Chassis as water Tender.

- (E) No drilling welding and cutting of the chassis shall be allowed.
- (f) The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.

3.2Supply:-

- i. Performance Security: The successful bidders shall have to submit a performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 15 days from the date of award of contract, duly pledged to the Director/ Addl. Director General of Police, Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract. Delivery period: Delivery of proto type vehicle shall be made within 30 days from the date of receipt of the supply order and balance latest by 15th March, 2016
- ii. Fabricated vehicles should be supplied on proportionate basis from the date of receipt of chassis.
- iii. Penalty of Rs.500/- (five hundred only) per day per body will be charged for any delay completion of work or handing over the completed body beyond the stipulated period.
- iv. Warranty : Warranty shall be for a period of 12 months from the date of acceptance of work by Tender by competent authority.
- v. The bidders shall have to remove all manufacturing/ operational or any other defects/ problem detected in the equipment during the 12 months warranty period within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.
- vi. Printed leaflet and detailed specifications should be submitted by the bidders along with technical bid. The details of past supply of tendered items, if any, should also be mentioned.
- vii. The decision of technical committee will be final.
- viii. Delivery period may be extended on reasonable ground by 'Director General./Addl. Director General of Fire Service .

**( P.k. Rao )**  
Joint Director,  
Fire Service Hqrs,  
Lucknow.





## UTTAR PRADESH FIRE SERVICE HEADQUARTER

4<sup>th</sup> & 5<sup>th</sup> FLOOR, INDIRA BHAWAN, ASHOK MARG, LUCKNOW

**TENDER NO –XXII-FS(T)-221-2015**

**DATE 08-07-2015**

### **SPECIFICATION FOR FABRICATION OF ADVANCE RESCUE TENDER (ART) - 01 Nos.**

Uttar Pradesh Fire Service, Lucknow, will provide 16 Ton Chassis for fabricating the ART.

<b>(A) GENERAL REQUIREMENTS:</b>	Accepted	Deviation
1. This specification lays down requirements regarding material, design, construction, workmanship, finish, accessories and equipments.		
(a) The ART should be designed to carry the equipment listed in Appendix 'A'.		
(b) The equipment should be arranged in a manner so as to provide easy, quick and speedy operational and working facilitation with all personal protective equipments and life saving equipments in and outside vehicle.		
2. (a) No part of the body should reduce the ground clearance less than 230 mm		
(b) The Overall width should not be more than 2500 mm.		
I Height should not be more than standards set by M. V. Act from the ground level.		
4. (a) The ART should be provided with electrical winch, Alternator, Pneumatic light installation and other accessories as built-in features of the appliance.		
Due consideration in designing the fabrication of the ART should be given to the fact that the ART may be required to operate on rough terrain also.		
<b>(B) MATERIAL SELECTION AND TREATMENT:</b>		
1. The choice of materials to be used in the construction of the ART should be made with a view of combining lightness and strength, durability and efficacy of the body.		
2. (a) Timber fact should not be used in body construction of the ART, as the ART shall be used in conditions with constant high humidity and heat. This fact should be given full consideration while selecting the materials.		
(b) The material used for fabrication should be selected to ensure a hindrance free performance of the ART in adverse operational conditions and to ensure its prescribed life.		
3. All metal parts exposed to atmosphere either should be corrosion resistant or treated to resist corrosion.		
4. Ferrous metal fittings should not be used without nickel or chromium plating. Plating should be of extra heavy quality.		
5. The aluminum used in fabrication of ART should be anodized.		
6. All compartments should be manufactured with material of best quality and workmanship.		
7. All equipments should have sufficient lubrication arrangements so that the bearings and other parts do not get unusually heated/wear out in the course of operation.		
8. All moving parts and exposed parts should be guarded absolutely to prevent accidents. The ART, equipments and accessories should conform to relevant statutory requirements in all respects.		
<b>BODY WORK:</b>		
1. (a) <b>Cabin-</b> Enclosed accommodation for driver; officer in charge & five men should be provided in double compartment driver's cab.		
(b) The driver's seat should be of adjustable bucket type.		
I All seats should have foam cushions of minimum 40 density & should be covered with good quality rexin cloth.		
(d) The cabin should be internally lined with a good quality PVC coated aluminum sheets.		
2. (a) The entire structure of the ART including that of the driver's cab should be MIG welded structure, made from MS pressed sections & square tubes of minimum 2mm thickness.		
(b) Angles & channels used for the structure should be minimum 3 mm thick.		
I The complete superstructure should be electroplated with ZINC PLATING not less than 18 microns. Then epoxy painting on it must be done after the fabrication.		
3. (a) The outer paneling should be made from minimum 1.60 mm thick aluminum sheet.		
(b) The internal paneling and lockers shall be made from minimum 1.22 mm thick aluminum checkered plates.		

I Minimum 25 mm thick, thermocol insulation should be sandwiched between roof top and the cabin. The paneling should be done with minimum 1.22 mm PVC coated aluminum sheets.		
4. (a) The complete cabin floor & top of the rear superstructure compartment should be covered with minimum 1.60 mm aluminum checkered plates.		
(b) The cabin doors on either side should be fitted with toughened safety glasses and winding type regulators.		
5. (a) The shape of the cabin should be aerodynamic. Suggestive picture of the vehicle is enclosed in Appendix 'C'. Design and illustrative drawing should be enclosed with the offer.		
(b) The Bidder must submit detailed drawing of the vehicle with cabin along with the offer and a soft copy in AutoCAD for 3D viewing.		
6. The Front windshield should be placed as low as possible, to provide the driver with clear visibility of traffic directly in front of the vehicle & should be curved from the sides & the top to give better vision on the sides & aerodynamic efficiency with a better and wider look.		
7. The driver should be provided with large size (about 45 cm long and 20 cm wide) rear view mirrors on both sides of the cabin & convex round mirrors for overall rear view of the vehicle from top to bottom & left to right.		
8. The doors of the lockers below the chassis level should have concealed type of hinges & attached with heavy duty chains to enable it to be used as a platform for standing. The doors, the hinges and the chains should be strong enough to take the weight of minimum 2 persons.		
9. The complete rear body should be separate from the driver's cabin and a minimum 50mm space should be maintained between the driver's cabin and the rear body.		
10. The bodywork should be designed to enclose all the items listed in Appendix 'A' and 'B' of the ART without interfering with necessary accessibility.		
11. Lockers should be provided with drawers with sufficient space to store all equipments listed in Appendix 'A' and 'B' and should be designed with roll-in-roll-out type drawers with opening in tapered position giving easy and immediate access to all equipments.		
12. All equipments should be stowed very scientifically and systematically in the drawers and each piece of equipment should have its designated location so that at the time of emergency the required equipment can be very easily located and retrieved for use. Location of equipment (LABELS) should be provided on each drawer for immediate identification. Labels should be written with florescent paint		
13. (a) All lockers/drawers should be fitted with internal lighting which should automatically switched "ON" and "OFF" by the opening and closing of shutter/gates. Lockers should also be provided with a manual backup switch to cater any failure of automatic lighting system.		
(b) A master switch for isolating the locker lighting circuit should also be provided in the driver's cabin.		
14. Grab-rails made from minimum 1.6 mm thick corrugated aluminum and non-slip steps should be provided to give access to the roof of the ART and for easy and speedy removal and mounting of ladders.		
15. All equipments should be properly clamped and strapped in the drawers to prevent shifting of the equipments while the vehicle is in motion.		
16. (a) The drawers should be completely constructed from 10 gauge aluminum sheets and should be provided with self-locking system to prevent any accidental opening while the vehicle is in motion.		
(b) The bottom edges of the drawers should be fitted with SS 304 angles of minimum 2 mm thickness.		
I The 'roll-in-roll-out' drawers should be made according to the required size of the equipment that is to be stowed.		
(d) The drawer floor should be covered with minimum 6 mm thick good quality PU foam rubber sheets.		
17. (a) The lockers should be covered with 'push-pull' type aluminum roller shutters for faster and smoother rescue operation at the time of emergency.		
(b) The aluminum shutters should be made of extruded and anodized aluminum sections.		
I The shutter should be roller type only and not the sliding type.		
(d) Shutters should be of the self-locking type so that while the vehicle is moving, the shutters do not open accidentally.		
18. (a) A 10.5 meter aluminum double extension truss type ladder Simplex/King's make should be mounted on suitable gallows fitted with rollers on top of the vehicle and should be designed to facilitate easy, speedy and quick removal of the ladder from the rear of the ART.		
(b) The headlock on the gallows should be positive in action.		
I No equipment should be so positioned as to interfere with the easy and independent removal of the extension ladder.		

19. Two collapsible stretchers should be mounted separately on the ART in such a way that they could be easily, quickly and independently retrieved, when required.		
<b>(D) STABILITY:</b>		
The stability of the ART should be such that under fully equipped and loaded conditions (excluding crew) if the surface on which the ART stands is tilted to either side by an angle of 27 ½ degrees from the horizontal, the ART should not overturn.		
<b>(E) WORKMANSHIP AND FINISH:</b>		
(a) The standard of workmanship of all mechanical and other replaceable parts should be done with due consideration to the easy maintainability.		
(b) The ART should be painted in Golden Yellow Dupont.		
(c) The driver's compartment, crew's compartment inside the vehicle and inside lockers should be painted in cream colour.		
(d) Lockers should be finished in shadow board painting or replica of items to show the position of each piece of equipment in the locker.		
(e) All remaining parts except engine should be painted in black colour.		
(f) Necessary anti-corrosion and primary coats should be applied before painting.		
(g) Finish should be smooth and without sharp edges.		
(h) All necessary electrical/mechanical protections should be provided in the ART.		
<b>(F) INSTRUCTION AND OPERATING MANUAL AND ACCESSORIES:</b>		
(a) Instruction manual(s) for the guidance of the user, including both operating and normal maintenance procedure, should be provided.		
(b) The manual(s) should include an itemized and illustrated spare parts list, giving reference to all the wearing parts.		
<b>(G) ACCESSORIES:</b>		
The following accessories should be provided in addition to those normally fitted on the chassis:		
1. One 250 mm diameter bell as per IS: 928-1984 mounted externally with facilitation for operation from inside the crew cabin.		
2. Two Fog lights (Lumax or Autolight) low mounted in front of ART.		
3. Reversing light suitably situated to assist reversing of ART.		
4. Two Windscreen wipers of approved design (electrically operated).		
5. <b>Tools-</b> all tools required for normal routine maintenance of the ART, which are not included in the tool kit of the chassis.		
6. Two adjustable Search light of minimum 500 watts each, 220V AC to provide flood and beam light mounted in convenient position on the ART and at the same time should be capable of being readily removed and mounted on tripods away from the ART. These should each be supplied complete with tripod and with minimum 30 meter of TRS Cable on reel mounted on the ART.		
7. A light bar with a 100 watt P.A. system (Grand make) and a Siren (75 watt) (Kheraj make) should be provided on the roof of the cabin with suitable protection.		
8. Two adjustable spot lights (Lumax or Autolight) should be mounted at a convenient position on the roof of the ART.		
9. Two all field obstruction marking light, one fitted in front and other at the rear of the ART should be provided.		
10. Inspection lamp (Protected type) on wander lead with plug. A socket should be provided on the control panel in the driver's cab for plugging in the lamp.		
11. Spare part catalogue and all test certificates should be supplied with unit.		
<b>(H) MARKING:</b>		
Each equipment/appliance should be clearly and permanently marked with the following information:		
i. Manufacturer's Name or trade-mark, if any		
ii. Year of manufacture		
<b>(I) ACCESSORIES &amp; ELECTRICAL FITTINGS:</b>		
The following accessories and fittings should be provided on the ART at suitable location: One trickle type battery charger for self-charging of battery along with a red pilot lamp light to indicate that the battery is being charged.		
<b>(J) ALTERNATOR UNIT:</b>		
An inbuilt ALTERNATOR of 15 KVA Single-phase CE/EN/NFPA/BIS approved should be installed. The alternator should be driven by a suitable power take off unit and it should not get overheated during continuous operation of 24 hours. The alternator should be placed at a level higher than the Gear level of the engine so that in case of flooding the electrical connection and		

not affected.		
The control panel of the alternator should include:		
1. Three sockets (plugs) and MCB switches		
2. Four 15 ampere sockets (plugs) with MCB switch for single-phase connections.		
3. Four 5 ampere sockets (plugs) with MCB switch for single-phase connections.		
4. Digital RPM Meter 1 No.		
5. Power meter – 1 No.		
6. Ampere meters		
7. Frequency meter – 1 No.		
8. Suitable TPN MCB – 1 No.		
<b>(K) TELESCOPIC LIGHT MAST:</b>		
(a) Telescopic light mast should be pneumatically operated through the air compressor of the vehicle engine. It should be able to rise up to a minimum height of 6 meter vertically and should be rigidly fixed at a convenient place such that it is not damaged during transportation. The mast must be collapsible along the surface of the vehicle.		
(b) Light mast should have 4 x 150 Watt LED flood light projectors in weatherproof casing.		
(c) The floodlights on the top should be able to rotate 360°.		
(d) Suitable connections for taking Power supply from vehicle generator set through spiral wire in protective sleeve to the earthed sockets at the projector support should be provided.		
(e) Control panel should be below the mast in a weatherproof box.		
(f) Electrical connection from generator should be provided.		
(g) The floodlights should be locked in box for protection against damage when not in use.		
(h) The unit should comprise of handheld remote control with cable, controlling RCP, rotation, tilt and pan mounting frame with built-in system.		
<b>(L) RECOVERY WINCH:</b>		
(a) Electrically operated cable winch of minimum 6-ton capacity should be provided.		
(b) The winch unit should be complete with minimum 5.5 HP 12V DC series wound electric reversible motor for increased pulling power.		
(c) Rope drum with minimum 90 ft heavy duty galvanized EIPS wire rope.		
(d) Replaceable self locking clevis hook should be mounted in front of the vehicle.		
<b>(M) STOWAGE FACILITIES :</b>		
The ART should be fabricated and designed with ingenuity and appropriate provision for stowage of equipments listed in Appendix 'A'. Note that equipments listed in Appendix 'A' are not being purchased in this offer and may be purchased later.		
<b>(N) EQUIPMENT :</b>		
The supplier should supply equipment with specification listed in Appendix 'B' with the ART. The specifications of the items listed in Appendix 'B' have been attached with the Tender.		

## **SPECIAL TERMS AND CONDITION :-**

- Validity of bid:** Bid should remain valid for a period of 180 days from the date of opening of financial bid. Validity of bid can be extended with mutual consent.
- F.O.R.:** Various destinations in U.P.
- (a) Capacity of Fabrication of ADVANCE RESCUE TENDER (ART) per month must be quoted.**
- (b) ADVANCE RESCUE TENDER (ART) Fabrication may be Allotted to the L-2 and L-3 Tenders if capacity of L-1 is found Less, at the rate quoted by L-1 with consent of L-2 & L-3 .**
- Inspection:**
  - The committee may inspect the works/ establishment of the bidders before the finalization of the contract for evaluation/ assessment of bidders.

(b) After award of the contract, inspection will be done by indenting department at supplier's workshop. All the expenses and cost of the inspection including travel, boarding and lodging as per entitlement etc. will be borne by the supplier. Inspection will be done in three stages:

- (7) After fabrication of superstructure
- (8) Before final painting
- (9) Before delivery.

- 1- The bidders must have complete testing & trial arrangement regarding fabrication of ART with them.
- 2- The bidders must describe in technical bid about their past performance for last years related to similar type of work with documentary proof.
- 3- **Performance Security:** The successful bidders shall have to submit an performance security in shape of Bank Guarantee/ F.D.R., for 10% of the contract value, within 30 days from the date of award of contract, duly pledged to the 'Addl. Director General of Police, Fire Service Headquarters, U.P., Lucknow' failing which their tender will be rejected and contract will be awarded to next bidder. The performance security should remain valid till the expiry of the contract.

**Delivery period:** Delivery of vehicle shall be made before 15th March, 2016.

- 4- **Insurance against Chassis:** Chassis shall be comprehensively insured (within 30 days from the date of award of contract) by the fabricator/ vender in favor of 'U.P. Fire Service Head Quarter, Lucknow' for full compensation in case of loss by theft and/ or fire or any other way whatsoever for the period after they have been handed over to the fabricator/ vender and till we take possession of these Chassis as ATR.
- 5- **Penalty** of Rs.500/- (five hundred only) per day per body will be charged for any delay in completion of work or handing over the completed body beyond the stipulated period as mentioned in Para 7 above.
- 6- No drilling welding and cutting of the chassis shall be allowed.
- 7- **Warranty and AMC:** Warranty shall be for a period of 12 months from the date of acceptance of ART by competent authority. The supplier has also to provide additional 04 (four) years of comprehensive annual maintenance contract (AMC) after the expiry of 12 months warranty. Cost of four year AMC should be included in the 'bid price per unit' as mentioned in the price schedule.
- 8- The bidders shall have to remove all manufacturing/ operational or any other defects/ problems detected in the equipment during the 12 months warranty period and during four years of AMC within 07 days at their risk and cost, at the station where the machine/ equipment is stationed.
- 9- The trial piece shall have to be constructed as per delivery schedule strictly conforming to the specifications and drawing approved by the indenting officer, failing which the advance security money of the firm shall be forfeited.
- 10- Printed leaflet and detailed specifications should be submitted by the bidders along with the technical bid. The details of past supply of tendered items, if any, should also be mentioned.

15-The rates of ART along with accessories and items listed in appendix B mentioned in the tender notice must be quoted separately in sealed envelopes for each individual item.

16- The evaluation of bid will be done on the basis of total cost of ART and accessories jointly.

17-In case either one or more accessories of ART are rejected by the Technical Committee on the basis of not conforming to the prescribed specifications, then these accessories shall not be considered, and final decision shall be taken on the basis of remaining common accessories quoted by all bidders, after removing the accessories so rejected.

18-The decision of technical committee will be final.

19-The date of supply may be extended by D.G.F.S./A.D.G fire service

**( P.k. Rao )**  
Joint Director,  
Fire Service Hqrs,  
Lucknow.

## **APPENDIX-A(ART)**

### **LIST OF EQUIPMENTS**

<b><u>(1) SEARCH</u></b>		
01	Life detector	1 Set.
02	Victim location system with breaching	1 Set.
03	Flood lights 500 W- 220 V with cable reel of 30 meter length on tripod	1 Nos.
04	Search light with rechargeable battery pack on tripod	1 Nos.
05	Rechargeable portable search Light	1 Nos.
06	Search light with rechargeable battery pack (hand held)	1 Nos.
<b><u>(2) EMS</u></b>		
01	Oxygen automatic resuscitation apparatus	1 Set
02	First aid medical kit (for 50 persons)	1 Set
03	Fire Blanket (woolen)	10 Nos.
04	Collapsible stretchers	6 Nos.
05	Ambu bag resuscitation kit (hand operated)	6 Nos.
<b><u>(3) FIRE FIGHTING</u></b>		
01	ABC. Fire Extinguisher 10 kg ISI Marked	4 Nos.
02	Ultra high-pressure fire fighting system with 300 liter FRP tank	1 No.
<b><u>(4) PPE (PERSONAL PROTECTIVE EQUIPMENT)</u></b>		
01	Breathing apparatus set with spare cylinders.	6 Sets
02	Portable electrical motor operated BA compressor Capacity not less than 200 lpm at 200 and 300 Bar.	1 Set
03	Leather gloves, for use with oxy-LPG cutting set	2 pairs
04	Goggles with dark glasses for use with oxy- LPG cutting set	2 pairs
05	Chemical and Gas Tight Suit	2 Nos.
06	Mat, rubber, 1 m X 1mX 20 mm	1 No
07	Rubber gloves in container (20,000 volt) to work in proximity to electricity	2 pairs
08	Multilayer fire proximity Suit with accessories	6 Nos.
09	Fluorescent vests	6 Nos.
10	Safety goggles	6 Nos.
11	Safety harness with rope and hook	4 Nos.
12	Life Jacket	6 Nos.
13	Fireman Axe with belt & pouch	6 Nos.
<b><u>(5) RESCUE</u></b>		
01	Chain-sling, double leg, complete with rings	1 No.
02	Chain, lifting 3 tons, complete with end ring and 6 m shackles	1 No
03	Hydraulic Spreader	2 No.
04	Hydraulic cutter	2 No.
05	Hydraulic pump (hand / foot operated )	1 No.
06	Hydraulic Combination Tool	1 No.
07	Telescopic Ram Jack	2 No.
08	Petrol engine operated Hydraulic pump	1 No.
09	High pressure pneumatic lifting bags	2 set
10	Diamond Chain saw (petrol engine driven)	1 No
11	Leak Sealing Pads	1 Set
12	Long line, 30m (16mm)	2 Length
13	Short lines, 15m (50 mm)	2 Length
14	Spades	6 Nos.
15	Shovel	6 Nos.
16	Mattocks with handle	6 Nos.
17	Picks with handle	6 Nos.
18	Axes, felling	6 No.
19	Crow bars, 1m long Heavy Duty	6 Nos.
20	Sledge hammer	2 No.
21	Hammer, 3 kg	4 No.

22	Concrete breaker 30 kg (electrical)	2 unit
23	Engineering Tools with container	1 Set
24	Inflatable pneumatic Boat with all accessories for 6 persons	1 No.
25	Life Buoy	2 Nos.
26	Hook Grapnel with chain	1 No.
27	Loud hailer	1 No.
28	Imported self rescue system and tripod	1 Set
29	Cordoning Nylon Rope 20 mm. (yellow color 30 meter)	4 Nos.
30	Guide lines 60 m long and 6 to 8 mm in diameter with running and terminating in a snap hook and other and with a loop of 150mm in length	1 No.
31	Personal lines 6m in length and 4mm diameter	6 Nos.
32	A pouch for carrying a personal line	6 Nos.
33	Shoring system	1 Set.
34	Wood cutting saw	1 No.
35	Iron cutting saw	1 No.
36	Generator 3KVA	1 No.
37	Pulling and lifting machine	1 No.
38	Folding tent for 10 person	3 No.
39	Lifting bags	1 Set

## **APPENDIX –B (ART)**

### **List of Equipments**

1	Breathing Apparatus (BA) Set with spare cylinders 06 Liter 300 bar with distress signal units (DSU)	06 Set with each ART
2	Portable Electrical Motor operated BA set compressor of minimum capacity 200 liters at 200-300 bars.	01 set with each ART
3	Chemical and gas tight suit Level-A	06 set with each ART
4	Multilayer fire proximity suit, gloves, boot, hood and helmet with accessories as per EN standard or equivalent	06 Set with each ART
5	Hydraulic spreader, Cutter, Combtool, Ram jack, Hydraulic Pump	01 set with each ART
6	Concrete breaker BOSCH/HITACHI	02 set with each ART
7	Leak sealing bags/pads	01 set with each ART
8	Lifting bags	01 set with each ART

### **SPECIFICATION OF EQUIPMENTS OF APPENDIX –B (ART)**

#### **1. BREATHING APPARATUS SET WITH CYLINDERS**

<b>A- GENERAL REQUIREMENT:</b>	<b>Accepted</b>	<b>Deviation</b>
1- The set should be self-contained open circuit type compressed air Breathing Apparatus fully conforming to EN 137 standard and to per EN 137 or latest class II.		
2- The cylinder of the set should be approved by CCOE India.		
3- The minimum duration of use of the set should not be less than 45 minutes.		
4- The design of the set should be such that it shall be possible to use the set under water up to the depth of 1 meter.		
5- The main valve of the air cylinder should be so arranged that it can be operated in worn position by the wearer.		
6- The design of the set should be flexible to allow the use of cylinders of different size and it should be possible to change the cylinder without the need of a any special tool.		
<b><u>B-MATERIALS:</u></b>		
1- The back plate of the set should be made from carbon composite material.		
2- The facemask should be made from EPDM/ Neoprene/ Silicon rubber.		
3- The material of the facemask visor should be demisting, scratch proof polycarbonate.		
4- The materials used for the fabrication of various parts of the set should be anti-static.		
5- The shoulder strap and hip belt should be made from Kevlar with Nomex padding.		
6- The high and low pressure hoses should not be interchangeable.		
<b><u>C- WEIGHT :</u></b>		
The weight of the ready to use set with facemask and fully charged compressed air cylinder should not exceed <b>11kg.</b>		
<b><u>D –BACK PLATE (BODY HARNESS):</u></b>		
1- All the adjusting devices should be so constructed that once adjusted they would not slip inadvertently.		
2- The back plate should have pull forward adjustment for waist belt with quick connect		

buckle and independent shoulder straps.		
3- The back plate should have universal type cylinder strap to accommodate all types of cylinders, from 6.0-liter to 9.0-liter cylinder, with cam lock mechanism.		
4- The back plate should be universal and comfortable fit to wearer.		
5- The back plate should be ergonomically designed to follow the natural contour of the back and the weight should be concentrated on hips to reduce the back strain, stress and fatigue. It should allow the user to DON and DOFF the set quickly and easily without assistance.		
<b><u>E -FACEMASK:</u></b>		
The facemask should be in accordance and approved as per EN 136.		
<b><u>F -AIR CYLINDER:</u></b>		
1- The air cylinder should have a minimum water capacity of 6.8 liters and free air capacity of min.1800 liters when filled at a pressure of 300 bars.		
2- The material for cylinder should be light weight carbon composite material.		
3- The cylinder should be approved by CCOE.		
4- The cylinder valve should be so designed that the spindle can not be completely unscrewed during the normal operation and it shall be so positioned that it can not be closed inadvertently during the use.		
<b><u>G –PRESSURE REDUCER:</u></b>		
1- Small, light, sturdy pressure reducer with high air delivery (enough for 2 users) with safety pressure relief valve.		
2- The pressure reducer valve should have a high-pressure outlet and low-pressure outlet with a warning whistle incorporated in the digital pressure gauge.		
3- The pressure reducer valve should have a provision of safety pressure relief valve.		
4- The pressure reducer valve should comply with all the safety requirements stipulated under EN 137 or latest class II.		
5- The pressure reducer should provide up to 1000 lpm flow of air.		
<b><u>H –LUNG DEMAND VALVE:</u></b>		
1- The LDV should start the air supply as soon as the wearer takes the first breath and shall be equipped with a bypass facility.		
2- The LDV housing should have molded construction and should house all the components of LDV. The design of LDV should be as small as possible and should not restrict the view of the wearer when attached to the facemask.		
3- The LDV should be attached to the facemask in such a way that it should not create any hindrance to the firemen while crawling.		
4- The LDV should have flow not less than 500 liters per minute and should activate at first breath at 20 – 30 mbar.		
<b><u>I –HOSES:</u></b>		
1- All the hoses used in the set should be flexible and non-kinking type and should permit the free movement of the head.		
2- The hoses should not restrict or close the supply at any time and shall not collapse.		
3- The hose connected to the lung demand valve from the pressure reducer including the connector should be capable of withstanding twice the operating pressure of pressure reducer safety valve or 30 bar, whichever is higher for a minimum of 15 minutes.		
4- Hoses should be provided with necessary end connections for connecting the various parts of the set.		
<b><u>J –OPERATION AND MAINTANENCE MANUAL:</u></b>		
The manufacturer should supply operation and maintenance manuals with each BA Set plus two additional sets. All manuals should be in English.		
<b><u>K-GUARANTEE:</u></b>		
1- The manufacturer should give the guarantee of minimum 12 calendar months from the date of supply of goods against any manufacturing defects.		
2- The manufacturer should also give guarantee for the supply of spares and service for minimum period of 10 years from the date of supply of goods.		
<b><u>L-AFTER SALES SERVICE</u></b>		
The supplier should have a full fledged after sales service facility in India in accordance to BIS 10245. It should have the following facilities for testing.		
1- Instruments for measuring the air flow capacity, breathing resistance and exhalation resistance.		
2- Instrument for conducting Positive and Negative Pressure Leak tests for mask/lung demand regulator.		
3- Artificial lung simulator for Respirator Performance tests.		
4- Facility for refilling and hydrostatic testing of cylinders duly approved by		



CCOE, Nagpur.		
<b>M-CARRYING CASE -</b>		
Carrying case should be supplied along with each set.		
<b>N- SPARE CYLINDER</b>		
One spare cylinder should be supplied with each B.A. Set along with FRP wall mounted casing for spare cylinder.		

**2. PORTABLE ELECTRICAL MOTOR OPERATED B.A. SET COMPRESSOR CAPACITY  
MINIMUM 100 LITERS AT 200 and 300 BARS**

	Accepted	Deviations
1- Discharge capacity – not less than 100 lpm over the full discharge range		
2- Operating discharge pressure 200 and 300 bars		
3- Prime mover Electrical motor with thermal overload protection, manual on/off switch and other standard accessories, single phase, 220 volt		
4- Air quality As per DIN 3188 or En 12021		
5- Maximum pressure 330 bars		
6- Air tubing & connectors -- As per DIN 14571 (V4A) and filling hoses to be kink protected .		
7- Standard -- As per EN/CE/DIN standard		
8- Safety Norms- It should be provided with safety relief valve at all stages and water and oil separator after all stages except first stage.		
9- Two additional set of air purification filter should be provided.		
10- weight should not be more than 55 kg.		

**3. CHEMICAL AND GAS TIGHT SUIT WITH CHEMICAL BOOT LEVEL – A**

	Accepted	Deviations
<b>Chemical and Gas Tight Suit</b>		
1- Level Level-A gas tight suit with chemical boot		
2- Suitability Suitable to be used with Breathing Apparatus Set		
3- Resistance Resistant against a wide range of chemicals like acids, gaseous flames, liquids etc.		
4- Conformity EN 943-2: 2002 standard or Equivalent		
5- Certificate Copy of certificates showing conformity to stated standard		

**4. MULTILAYER PROXIMITY SUIT, GLOVES, BOOT, HOOD, HELMET WITH ACCESSORIES**

	Accepted	Deviations
<b>Multilayer fire proximity suit with accessories</b>		
1- Suit Multilayer fire coat and over trousers		
2- Material Three layer assembly containing an outer shell made of inherently flame resistant NOMEX fabric, moisture barrier and thermal liner to insulate against heat.		
3- Conformity EN 469 : 2008 or equivalent		
<b>Gloves</b>		
Multilayer fire fighter gloves As per EN 659 or equivalent		
<b>BOOT</b>		
Fire fighter boot As per EN 345-2 or equivalent		
<b>Hood &amp; Helmet</b>		
Hood Flame resistant hood & Kevlar shell		
Helmet Fireman helmet as per EN 443 latest		
Certificates All certificate must be submitted showing conformity to stated standards		

**5. HYDRAULIC SPREADER, CUTTER, COMBITOOL, RAMJACK AND HYDRAULIC PUMP**

	Accepted	Deviations
<b>(A) HYDRAULIC SPREADER</b>		
1- Minimum spreading force 80 kN		
2- Minimum spreading distance 500 mm		

during spreading and squeezing		
4- Sharp cutting tips with optimal angle		
5- Slim arm and yoke design to facilitate easy penetration in confined spaces, accurate spring return to neutral position. Full protection against overload.		
6- All standard accessories like pulling chains, chain adopter, pigtail hose along with a fully equipped maintenance kit.		
7- The equipment should conform to class CS spreader classification of EN13204: 2004 and appropriate certificates must be enclosed showing the conformity		
<b>(B) HYDRAULIC CUTTER</b>		
1- Minimum cutter opening $\geq 200$ mm		
2- Cutting capacity Category A-H of EN 13204		
3- Built in check valves, accurate spring return to neutral position, full protection against overload.		
4- All standard accessories including pigtail hose		
5- Fully equipped maintenance kit along with an spare blade and tool kit to change the blade, torque wrench for central bolt etc.		
6- The equipment should conform to class CC cutter classification of EN13204: 2004 and appropriate certificates must be enclosed showing the conformity		
<b>(C) HYDRAULIC COMBINATION TOOL</b>		
1- Minimum spreading force $> 35$ kN		
2- Minimum spreading distance $> 350$ mm		
3- Cutting capacity Category A-H of EN 13204		
4- Pulling force Minimum 60% of nominal spreading force		
5- Pulling distance Minimum 60% of nominal spreading distance		
6- Jaws should have well serrated tips for easy grip during spreading and squeezing. Jaws shall contact each other parallel and symmetrically when in fully closed position.		
7- Slim arm and yoke design to facilitate easy penetration in confined spaces, accurate spring return to neutral position. Full protection against overload.		
8- All standard accessories like pulling chains, chain adopter, pigtail hose along with a fully equipped maintenance kit with a spare blade and tool kit to change the blade.		
9- The equipment must conform to class CK combination tool classification of EN13204: 2004 and appropriate certificates must be enclosed showing the conformity		
<b>(D) TELESCOPIC RAM JACK</b>		
1- Spreading force plunger 1 Minimum 180 kN		
2- Stroke of plunger 1 Minimum 300 mm		
3- Spreading force plunger 2 Minimum 80 kN		
4- Stroke of plunger 2 Minimum 300 mm		
5- A rotating cross head for easy positioning and perfect grip in every position, accurate spring return to neutral position, full protection against overload.		
6- All standard accessories like pigtail hose along with a fully equipped maintenance kit.		
7- The equipment must conform to prEN13204: 2004 and appropriate certificates must be enclosed showing the conformity.		
<b>(E) PETROL OPERATED HYDRAULIC PUMP</b>		
1- Working pressure should be compatible with the pressure requirements of the above stated tools.		
2- No. Of tools operating simultaneously 2 tools		
3- Maximum weight 50 kg		
4- High pressure hydraulic hoses compatible to all the above stated tools, 15 meter long with anti kink springs on both ends and quick couplers.		
5- The equipment must conform to MTO classification of EN13204: 2004 and appropriate certificates must be enclosed showing the		

conformity		
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Notes:

- All hydraulic systems should comply with safety requirement specified in EN 982 or equivalent.
- Opening and closing time of any hydraulic tool should not be less than 2 seconds.
- Hydraulic fluid used should be non toxic and non allergic and the flash point of the fluid should not be less than 90°C.
- Couplings for pressure and return connections should not be interchangeable.

#### 6-CONCRETE BREAKER

	Accepted	Deviations
Concrete breaker 30 ± 5 kg (electrical) with two spare chisel (pointed and flat each) BOSCH/ HITACHI make		

#### 7- LEAK SEALING BAGS/PADS

	Per set	Accepted	Deviations
1- Working pressure 1.5 bar			
2- Foot pump with safety valve	1 no.		
3- Suitable number of fastening belts			
4- Leak sealing bag	1 No.		
5- Leak sealing pads of minimum size 600X300mm	1 set		
6- Conforming to latest EN or equivalent standards and certificates showing conformity must be enclosed			

**Note:** Bidder must specify the number along with size of belts and pads in a set.

#### 8- LIFTING BAGS

		Accepted	Deviations
(1)Max. working pressure 9 bar			
(2)Material Aramid/ Kevlar reinforced nitril rubber			
(3)Design Non slip design			
(4)Resistance Resistant to ozone and range of chemicals etc.			
(5) Minimum lifting capacity 40,000 kg. – two nos.			
(6)Accessories:			
(b) Air hoses 5 m 2 nos	One set		
(c) Air hoses 10 m 2 nos			
(d) Control box 2 nos			
(e) Pressure reducer 1 nos			
(f) Double control unit 1 nos			
(g) Single control unit 2 nos			
Air cylinder 6 lt. water capacity, 300 bars, CCOE approved steel cylinder 2 nos			
(7) Standard Conforming to relevant EN standards			

**Note:** Bidder should quote the appropriate model number and make of the equipment. Bidder should also enclose necessary technical specifications, drawings, manufacturer's information manuals and any other relevant document about the quoted equipment.

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