

# सुरक्षा मुख्यालय, उत्तर प्रदेश

413, Dr Baijnath Road, New Hyderabad, Lucknow

Fax No 0522-2781005

No. Suraksha-Adhu/Up.Krya-236/2011-14

Dated: July 30 , 2014

Date of opening tender Sep 05 ,2014

## OPEN TENDER NOTICE

The tender for the following equipments are invited in duplicate including Technical Bid and Financial bid for following items from the authorized manufacturer/ Distributor /authorized agents.

S.N.	Name of the Equipment	Quantity	EMD Required in Rupees	Proposal Form Fee (in Rupees)
<b>File No. Suraksha-Adhu/Up.Krya-236/2011-14</b>				
1	पोर्टेबुल एक्स-रे व्यू सिस्टम	8	2,56,000.00	350
2	फाइबर स्कोप सर्च किट	8	1,60,000.00	350
3	टोटल कन्टैनमेन्ट वेसिल (TCV)	1	4,00,000.00	350
4	मिनी आर.ओ.वी.	1	1,00,000.00	350
5	टेलिस्कोपिक मैनीपुलेटर	8	1,60,000.00	350
6	डी.एस.एम.डी.	3	9,000.00	170
7	फायरिंग सिमुलेटर	1	1,60,000.00	350
8	ओवर आल फायर प्रूफ	10	40,000.00	350

2. Firms willing to participate in tender of above equipments can obtain Tender Form along with terms and conditions and specifications of the equipment by depositing the cost of tender form as mentioned above in cash on any working day in the office of the undersigned **till 05-09-2014 at 1200 Hrs.** Any enquiry regarding tender can be obtained from telephone No. (0522) 2781005/2782779 on any working day. The fax No. of undersigned is 0522-2781005. Those firms willing to get tender form through post. will have to send money order of the cost of tender form. The firms willing to get the tender form through courier have to send money order of the cost of tender form along with Rs. 100.00 extra (Courier charges). Money order should be addressed to the under signed. Security branch shall not be responsible for any postal or courier delay.

3. Tender form can also be downloaded through website of U.P.Police and Information department of U.P. at i.e. <http://uppolice.up.nic.in> and [www.upgovt.nic.in](http://www.upgovt.nic.in). but the cost of tender form must accompany with the tender in the shape of Demand Draft in the favour of **I.G. of Police (Security) U.P. payable at Lucknow** otherwise tender will be rejected out rightly.

4. Separate tender form is required for every model of the equipment. If more than one model is quoted in one tender it will not be considered and stand cancelled.

5. Please note down the following points very carefully before floating the tender:-

(1) Earnest Money as mentioned against each equipment in the form of Demand Draft in favour of **I.G. of Police (Security) U.P. payable at Lucknow** has to be enclosed along with every tender. In absence of Earnest Money tender shall be rejected.

(2) Tender submitted not complying with the terms and conditions or a Conditional tender shall be rejected

(3) If the firm is exempted from depositing Earnest Money, the copy of order for the same has to be enclosed along with the tender (firms registered with DGS&D New Delhi, NSIC New Delhi, D.I. Kanpur and UPSIC Kanpur are exempted from depositing earnest money).

(4) Undersigned is not bound for minimum contract and reserve the right to terminate the full or any part of the contract. and also reserve the right to increase or decrease the number of equipments to be purchased.

(5) The bidders whose equipments are available at Rate Contract from DGS&D New Delhi or D.I. Kanpur have to enclose all relevant documents along with the tender.

(6) Authorized agent/distributor/manufacturer (as the case may be) has to enclose all required certificates such as Trade Tax/ VAT registration, Notary certified self declaration for not blacklisting by any Govt. Organization in India on a Non Judicial Stamp of Rs. 10-00 only. In the absence of these certificates and affidavits tender shall not be considered.

(7) Bidder can quote equipment of higher specifications mentioned in the Technical specifications but the decision of the Technical Sub Committee will be final and binding to all.

(8) If there is holiday on specific date the tenders would them open on next working day apart from Saturday / Sunday. Programme of the tender is as follows:-

(अ) निविदा विक्रय की अन्तिम तिथि/समय	05.09.2014 समय 1200 बजे
(ब) निविदा जमा करने की अन्तिम तिथि/समय	05.09.2014 समय 1400 बजे
(स) टेक्निकल बिड खोले जाने की तिथि/समय	05.09.2014 समय 1600 बजे
(द) उपकरणों के प्रदर्शन की तिथि/समय	16.09.2014 समय 11:00 से प्रारम्भ

उपकरण का नाम	प्रदर्शन की तिथि
पोर्टेबुल एक्स-रे व्यू सिस्टम	16/17-09-2014
फाइबर स्कोप सर्च किट	18/19-09-2014
टोटल कन्टैनमेन्ट वेसिल (TCV)	19-09-2014
मिनी आर.ओ.वी.	23-09-2014
टेलिस्कोपिक मैनीपुलेटर	24/25-09-2014
डी.एस.एम.डी.	26-09-2014
फायरिंग सिमुलेटर	29-09-2014
ओवर आल फायर प्रूफ	30-09-2014

**Note:** Representatives of the firms participating in the tender should have enough time at their disposal for the demonstration of their equipment so that they do not feel inconvenient in case of change in time schedule.

( O.P.Srivastava )  
Supdt of Police (Trg & Security)

## **No. Suraksha-Adhu/Up.Kraya-236/2011-14**

### **TERMS AND CONDITIONS OF TENDER**

1. The sealed tenders shall be accepted by the undersigned up-to 14-00 hrs. on Sep. 05,2014. There after, the tenders shall be opened in the presence of the Bidders / their authorized agent at 16-00 Hrs. On Sep.05, 2014 at Security H.Q, "OM NIWAS " 413 Dr.Baijnath Road, New Hyderabad, Lucknow.
- 2- The tenderer shall give the Technical Bid and the Financial Bid each in duplicate and in separate sealed covers respectively clearly marked as "**Original Technical Bid**" "**Duplicate Technical Bid**" "**Original Financial Bid**" "**Duplicate Financial Bid**" in red ink. All these four envelops should be kept in one large envelop and sealed marked as "**Tender for.....**" The **Technical bid (Original)** will accompany Original Tender form (SPD-3) issued by the office, Technical offer such as Technical detail of the equipment along with Original brochure/ leaflets of the equipment (Not photo copy) and Earnest Money Deposit , Authorization of Original Equipment Manufacturer and other document asked for except Financial offer. The **Financial bid** will accompany photo copy of SPD-3 issued by the office. Financial offer in which Price of the equipment and taxes will be entered separately along with supply schedule and rate of AMC after expiry of the warranty period. The Technical and Financial bid shall be clearly marked stating name of equipment, tender notice no and date on the top of the envelop. The Financial bid shall be opened only after evaluation of the Technical Bid . The date of opening of Financial bid will be intimated in due course to the representatives of the qualified firms after evaluation of the Technical parameters .Tender documents and earnest money should be enclosed with Original Technical Bid . The Duplicate Technical Bid and Financial Bid should carry photocopy of the details provided in the respective original Technical and Financial Bid. Tenders which are incomplete ,without earnest money,Conditional tenders, first hand non-compliance of specified Technical parameters shall not be considered. Name of manufacturer, service centers in India should be mentioned in Technical Bid.
- 3- Incomplete offers, offer not conforming fully to Technical Evaluation requirements or with vague replies or without EARNEST MONEY (If applicable) or Conditional Offer will be rejected. **The tenderer shall quote only one model in the Technical bid/ Financial Bid.** If any tenderer willing to quote more than one model he should have to submit separate tender form for each and every model. The Technical offer must specify the name and address of the manufacturing company and their service centres in India.
- 4- The demonstration of the equipments will be held as per tender schedule. in Security H.Q. premises at **413, Dr. Baijnath Road, New Hyderabad, Lucknow.**No request for extension for demonstration date will be considered.
- 5- Every tender should be accompanied with earnest money (If applicable) in the form of Bank Draft cash certificate, Defence bond certificate, National Saving Certificate, Deposit –at- call (Issued by Nationalized Bank) valid for three years and pledged to the **Inspr.Genl. of Police(Security)U.P., Lucknow** payable at Lucknow. The earnest money will not be accepted in any other manner , and in those cases the tender submitted will not be accepted.
- 6- The tender form can be procured and submitted from the office of the undersigned at Security Branch, "Om Niwas" ,413, Dr. Baijnath Road, New Hyderabad, Lucknow on either in cash or by money order addressed to the undersigned with the cost of tender form mentioned in tender notice .The firms willing to get the tender form through courier or speed post have to send Rs. 100.00 extra (Courier/ postal charges) otherwise tender will be dispatched through ordinary post. Money order should be addressed to the under signed. The security branch shall not be responsible for any postal or courier delay. If amount will not be received the tender documents will be sent

through ordinary post and the undersigned shall not be responsible for any postal delay. Cost of tender form will not be refundable/ adjustable in any circumstances.

7- Tender can be downloaded through website of U.P.Police and Information department of U.P. i.e. <http://uppolice.up.nic.in> and [www.upgovt.nic.in](http://www.upgovt.nic.in). but the cost of tender form must accompany with the tender in the shape of Demand Daft in the favour of I.G. of Police (Security)U.P. payable at Lucknow otherwise tender shall be rejected out right.

8- All such firms, which are not registered with DGS & D, New Delhi, NSIC New Delhi, D.I. Kanpur or U.P.S.I.C. Kanpur, are, as a rule, required to deposit earnest money along with their tenders without which their tenders shall be ignored out right and as a rule and no correspondence thereafter shall be entertained. Such firms as are registered with any of the above four organizations mentioned above are exempted from depositing earnest money. For being considered for exemption from earnest money the copy of registration certificate duly attested by a gazetted officer or public notary should be enclosed with the tender.

9- The tenders can be dropped at the sealed box stationed at Security Branch, Lucknow or through post but the tender must be received in the office of the undersigned by the due date and time. The undersigned shall not be responsible for any postal delays and no tender shall be accepted after the designated time.

10- The Chairman of the purchase committee (mentioned as "Chairman" hereinafter) reserves the right to alter the number of equipments to be purchased and cancel any tender in partial or full without assigning any reason to the bidder. The reason of cancellation will be noted down on the file and will be disclosed if required under rules.

11- Tenders can be submitted for the desired equipment with the specifications better than the prescribed one but the selection of such equipment will be done by the committee constituted for this purpose and its decision will be final and binding on all.

12- The firms should submit their tender keeping in view all the terms and conditions. If the tender is not submitted as per the terms and conditions, SPD-3 form and check list given by the department, the authority for cancellation shall be vest in the Chairman.

13- **Tender will be valid up-to one year.**

14- After receiving the supply order, the equipments should be made available to the undersigned by the due date along with the bill in triplicate. The Pre-Delivery inspection of all the equipments will be made at Security Branch by the Technical committee constituted by the Chairman for the purpose. The equipment supplied will be accepted after their O.K. report for the Technical committee constituted for the purpose after P.D.I. If the equipment is not supplied within the stipulated time the firm has to inform the reason of delay in supply failing which fine @ 10% of the quoted price will be imposed for each fortnight. The decision of the Chairman in this regard will be final and binding to all.

15- The payment will be made after the supply of equipments and their accessories. Deduction of Income-tax and VAT as applicable as per rules will be made from the final payment.

16- No accessories will be accepted as Optional. The bidder will have to supply all the accessories with the equipment mentioned in literature of the submitted with the tender and no extra cost will be paid for the accessories. **Tenderer will also not quote price of accessories as optional in Financial bid otherwise their Financial bid will not be considered.**

17- Any dispute arising in the matter will be considered in the court of Lucknow (U.P.) jurisdiction only.

18- Undersigned is not bound for minimum contract and reserve the right to terminate the contract or any part of the contract. In any case of dispute on this subject the final decision is vested in the Chairman.

19- If the supply of equipment is not ensured within the stipulated time, the supply order shall stand void automatically and equipment will not be accepted thereafter. No correspondence shall be entertained for extension of supply date. In case of equipments not supplied by the due date, the earnest money and security money shall stand forfeited.

20- Tender which are submitted on any form other than the prescribed issued from the office of the undersigned, will be rejected. Tender can be submitted after download from the website but the tender must accompany the cost of tender in form of Demand Draft in favour of **Inspr,Genl. of Police(Security) U.P., Lucknow payable at Lucknow.**

21- Equipments will be accepted in the office of undersigned at Security Branch, Lucknow for which no extra payment as transportation, packaging charged, insurance etc. will be payable.

22- The prices of equipments along with all payable taxes/exchange rate etc. will be mentioned along with the tender submitted. At the time of submission of bills any amount other than the agreed amount mentioned in price bid along with taxes, will not be payable by the department.

23- For imported equipments, the bidder will submit tenders for only such equipment, for which they are the authorized dealer/ distributors. They will be required to submit an authority letter from the foreign manufacturer (Not from the authorized dealer of the company in India), clearly indicating (i) that the bidder is the authorized agent for the supply of such equipment on behalf of the foreign company (ii) that the specific item is manufactured by the foreign manufacturer and (iii) that the said agent is authorized to submit tender on behalf of the foreign manufacturer in India. Any authority letter submitted by the agent on behalf of the foreign manufacturer that he represents such firm, will not be accepted. No document , other than those submitted along-with the tender, will be accepted separately. Tender submitted without satisfying above conditions will be rejected and the earnest money will be forfeited. If the manufacturer himself participating in the tender then he will submit a proprietary certificate that he is the manufacturer of the equipment. OEM has also to submit an authority letter that if bidder/ Authorized agent fails to provide warranty/services after the completion of warranty period of the equipment OEM shall provide warranty/ spare parts of the equipment.

24- If the equipment quoted is a proprietary item, the firm/agent submitting the tender will also give a proprietary certificate.

25- Interest for any delay in payment due to any reason will not be payable.

26- While submitting the tender, it should be clearly specified that supply of consumables for such items, spare parts that may be required, will be guaranteed, The firm/ agent submitting the tender should also specify the after-sales service, which will be provided. Such firm/agent shall also be bound to provide training for the use and repair of such equipment free of cost as and when and where required. After expiry of guarantee period from the date of installation, the company should also indicate the A.M.C. charges for next year with per year rate and after the acceptance of tender, agreement bond has to be filled for responsibility of maintenance under the AMC on the quoted rates . During the maintenance and repair of equipments, the firm will not have any claim (or any amount) to the items/parts replaced with new items for free of cost, Ownership of parts of the equipments taken out in replacement during AMC/ maintenance, will be the property of the department. In case firm fails to execute AMC or delays in repair of the equipment the Chairman can impose fine and the firm will be liable to pay the fine. It is made clear that if firm does not obey the

- conditions of AMC and subsequently the security measures are adversely affected, the firm shall be black listed.
- 27- If the firm fails to supply the equipment after accepting the supply order, the earnest money and security money will be forfeited and the firm will be declared blacklisted and undersigned can initiate legal action as per rules.
- 28- The firm registered in U.P. should enclose VAT registration . Tenderers who are registered with other states should enclose the C.S.T. certificate and also indicate its registration number in tender form.
- 29- The firm participating in the tender should have to submit an affidavit on Non Judicial Stamp worth Rs. 10-00 only that they have not been blacklisted by any of the department/unit/organizations in India.
- 30- After supply of the equipment and during their warranty period their installation at any place/District/ Unit in U.P., if required, will be the responsibility of the supplier and no extra charges shall be paid for the purpose. Warranty period is mentioned in the specification of the equipment .
- 31- Such firms who are not registered with either of four organizations viz. (i) D.G.S.& D (ii) N.S.I.C. New Delhi (iii) D.I.,U.P. and (iv) U.P.S.I.C. shall be required to deposit advance security @ 10% of the total cost of the equipment in the form of Demand Draft or Bank Guarantee pledged to the **I.G. of Police (Security) U.P.,Lucknow for a period of Warranty** payable at Lucknow and will execute an agreement on a Non Judicial Stamp worth Rs. 100-00. Such firms who are registered with any of above four organizations may be considered for exemption from depositing security money (If application is made) for which Chairman reserves the right to do so but they have also to execute an agreement on Non Judicial Stamp worth Rs. 100-00. The Chairman also reserve the right to reduce/increase the amount of security money as may be deemed fit. The security deposit shall be retained with the undersigned up-to the period of warranty period. The security deposit, if the chairman deemed fit, can be returned after the successful running of the equipments for a period of one Year.
32. The firm will submit Operating and maintenance Manual preferably in Hindi of each and every equipment being supplied at the time of delivery. Supplier will also impart training free of cost regarding Operation and maintenance of equipment at Security Branch as well as at other places in U.P. as directed by the Security Branch for which no extra cost will be paid.
- 33 Firm as also to certify that they have qualified Technical team and service centers which are capable to attend complaint within 24 to 72 Hrs. If the firm fails to attend complaint within stipulated time a fine will be imposed on him for which decision of chairman will be final and binding to all.
34. Firm has to submit their experiences for the supply of the equipment being quoted and list of their customers Specially Govt. offices/Units along with the tender.
35. If the total cost of the equipment exceeds to Rs. 10 Lac excluding taxes. The firm have to pay 2% Entry Tax in cash before the supply of the equipments. The amount of Entry Tax will be charged by the firm in the bill submitted for payment.
36. Period of **warranty shall be 03 or 01 year as mentioned in the specification of the equipment concern** and will be counted from the date of installation of the equipment . Tender offers below warranty period shall be rejected.
37. The firm will ensure visit of their engineers every quarter for maintenance of the equipment supplied by the firm during warranty period and a report regarding visit and maintenance will be submitted to the Security Branch.

38. Firm has to quote rates including accessories in their Financial bid as no accessories mentioned in the literature will be accepted as "OPTIONAL" After receiving supply order firm has to supply all the accessories mentioned in the specification/ Literature as "ACCESSORIES".
39. The Bidder has to provide a undertaking at the time of supply of equipment that the equipment being supplied is the same which has been demonstrated and mentioned in the Technical bid. Firm has also also to provide model/serial no., manufacturer name, address along with warranty card. In future if equipment happens to be duplicate firm has to face legal action as per rules.
40. P.D.I. of equipment shall be performed at firm's workshop (if required) but P.D.I. at Security Branch premises at Lucknow will be must which will be the duty of the firm.
41. Rates of AMC will be counted if required to establish lowest bidder in Financial bid.
42. If more than one rates are quoted in Financial bid, the bid shall be rejected.
43. If required, extra terms and conditions could be added to the existing Terms and Conditions which has to be complied by the firm.
44. The bidder who demonstrated their equipment at the time of full tender and have quoted same make and model of the equipment which has already been demonstrated at the time of full tender, subject to their demonstration being successful, need not to demonstrate their equipment again but they have to give in writing that they have quoted same make and model of the equipment in this tender and their earlier demonstration report shall be considered for this tender.
45. After the demonstration of their equipment the firm has to leave their equipment with the Security Branch till the opening of the Financial bid of the equipment. After opening of the Financial bid equipment of the firm who did not succeed in Financial bid shall be returned The equipment of the firm, who succeeds in Financial bid, shall remain in the custody of the Security Branch till the supply and PDI of the ordered equipment.
46. The authority letter from equipment manufacture firm will not be accepted until it is ink signed.
47. After opening of Technical bid, the committee will see the demo of equipment only after receiving a confirmation letter from the original manufacturer company that the "Ink Signed" authority letter submitted by the participating firm in "legit"
48. It will be mandatory for a firm to mention the following points in its counter affidavit:-
- (a) That their firm was neither black-listed by any government department in the past 5 years, nor their firm was prevented to participate in any tender.
  - (b) That neither any criminal case in running in any court against the firm, nor any case is pending trial with regard to copyright/patent.
  - (c) That there is no blood-relation or family-relation (husband, wife, son, daughter, brother in law, sister in law, father in law, mother in law, cousin etc) among any member of any black-listed firm and the participating firm.
  - (d) If the authority letter is found fake, then the demonstration of the equipment of the tendering firm will not be seen or entertained and action will be taken against the firm as per law.
  - (e) If the affidavit is found fake or wrong then the tender of the firm shall stand rejected at any stage.

**( O.P.Srivastava )**  
Supdt of Police (Trg & Security)

**ORIGINAL**

**S.P.D.(3)  
TENDER FORM**

**GOVERNMENT OF UTTAR PRADESH  
SECURITY HEAD QUARTER. U.P., LUCKNOW**

**No. Suraksha-Adhu/Up.Kraya-236/2011-14**

**CONDITIONS OF AGREEMENT**

<b>Name of equipments</b>	<b>Date of demonstration</b>
Portable X-Ray View System	16/17-09-2014
Fibro scope Search Kit	18/19-09-2014
Total Containment Vessel (TCV)	19-09-2014
Mini ROV	23-09-2014
Telescopic Manipulator	24/25-09-2014
D.S.M.D.	26-09-2014
Firing Simulator	29-09-2014
Over All Fire Proof	30-09-2014

**Date of Opening of Tender: Sep.05 , 2014**

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 Chairman, Security Branch, U.P., Lucknow 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 (3).

3. The goods or 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 tenders and approved by the Security Branch, U.P., Lucknow. 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 per cent 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 Security Branch, U.P., Lucknow may, by notice in writing, call upon the supplier to supply additional goods or materials to serve as samples, and upon such notice in writing the supplier shall be bound to supply additional samples of goods or 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. stations nearest to suppliers or Indenting Officers as asked for in the tender notice.

(b) Railway freights, if pre-paid, shall be added to the 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 suppliers 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 dispatched within 14 days of the receipt of indent by the supplier.

7. 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 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 I.G.(SECURITY), Security Branch, U.P., Lucknow or any of the experts attached to the security Department or the Indenting Officer or any other officer or person duly authorized in writing by the Chairman Security Branch, U.P., Lucknow, 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 or portion, if he or they be not satisfied that the same is equal or according to the 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 ten 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 ten days, it shall be lawful for the Security Branch, U.P., Lucknow to authorize 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 of damage that may be occasioned by such sale. If the contractor is not satisfied with the decision of the authority rejecting or refusing goods, he may appeal to the Security Branch, U.P., Lucknow with in five days of the receipts of such notice, and the decision of the Chairman, Security Branch, U.P., Lucknow 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 the Indenting Officer and on receipt of these, the Indenting Officer or his superior officer shall make payment direct. The suppliers may, however, for their own convenience send an advance intimations 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 payment shall be subject to the deduction of any amount to which the supplier may be or render himself 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 Security Branch, U.P., Lucknow. 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 within the time allowed, the Security Branch, U.P., Lucknow 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 Security Branch, U.P., Lucknow 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 Security Branch, U.P., Lucknow 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 Security Branch, U.P., Lucknow may declare in writing to be a 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 forego 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 conditions of this arrangement the Chairman Security Branch, U.P., Lucknow 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 Uttar Pradesh police Department 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 this Agreement), the same shall be referred to the arbitration of an arbitrator nominated by the Security Branch, U.P., Lucknow and an arbitrator nominated by the contractor, or in the case of the contractor or the said Security Branch, U.P., Lucknow failing to nominate an arbitrator within the time fixed in the notice to be served on him by the said Security Branch, U.P., Lucknow or the contractor, as the case may be, by the arbitrator, nominated by the said Security Branch, U.P., Lucknow 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 Deputy Director of Industries (Stores), Uttar Pradesh Kanpur, quarterly statement of goods they supply under this arrangement in the following form ;

Supplies during the quarter ending 200 :

Name of officer	Indent no. and date	Name of article	Quantity or number supplier	Value of applies	Remarks (whether Indian make or foreign)
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QUOTATION

1. I/We hereby quote to supply the goods and materials in the under writing Schedule in the manner in which and within 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 Para as 1 to 18, 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 Uttar Pradesh from the date of issue of acceptance letter. I/We hereby further agree that if so required by the Security Branch, U.P., Lucknow. I/We shall execute a formal Agreement Deed.

2. I/We here with deposit a sum of Rs. as earnest money and should I/We fail to execute a fresh deed of agreement if so required, by the Security Branch, U.P., Lucknow on behalf of the Governor of Uttar Pradesh and deposit the security as laid down in the tender notice within ten 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

S. No.	Item with specification	Unit	Rates per unit	Taxes		Total	Make and Brand
				Sales tax	Excise duty		
1	2	3	4	5	6	7	8

All rates are f.o.r.....

Dated the  
Signature  
Address

Day of 2014

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 Governor of Uttar Pradesh

## **CHECK LIST**

**DO NOT FORGET TO ENCLOSE THE ATTESTED COPIES OF THE FOLLOWING DOCUMENTS ALONG WITH YOUR TENDER**

***Please tick whichever is applicable***

1. Prescribed Tender Form in original Issued by the department(not photo copy).
2. Earnest Money," in case you are unregistered firm."
3. Valid registration certificate with any of the following four organizations for the particular item (s) tendered or at least for the group head covering the item (s) tendered duly attested incase you are, seeking exemption from Earnest Money :--
  - (a) D. G. S. & D. New Delhi
  - (b) N.S.I.C., New Delhi
  - (c) U.P.S.I.C. Kanpur
  - (d) D.I. (Stores Purchase Department). U.P. Kanpur.
4. Valid Sales Tax Registration Certificate.
5. Complete test certificate (s) showing conformity to particular specification stipulated (if demanded in tender notice).
6. In case you are not manufacturer letter (s) of authority of your principal(s) whose product(s) has/have been tendered by you.
7. Please see that the tender form SPD-3 is properly filled in and signed by you on all pages and is properly enclosed in Technical Bid and Financial Bid .
8. In case item(s) quoted by you are 'ISI' marked, copy of the valid relevant license issued by Indian Standard Institution.
9. In case you are also on D.G.S. & D., rate contract for the tendered item attested copy of the D.G.S. & D. rate contract.
10. Affidavit as stated in tender conditions.
11. Any other documents specially called for.

## SPECIFICATIONS OF Portable X-Ray Inspection System

<b><u>PURPOSE</u></b>		To get a clear view of internal circuit of bomb mechanism and other objectionable /suspected items in a suitcase, bags, etc. within a minute on a radiographic film and laptop
<b><u>GENERAL SPECIFICATIONS</u></b>		
1	<b>Equipment</b>	Complete system with X-ray camera, cable, laptop, PCI interface, X-ray control software and a remote control with zooming facility should be available
2	<b>Detection</b>	Bomb mechanism and other objectionable /suspected items with prevailing detection norms and needs.  Detection must be capable of pinpointing the location.
3	<b>Weather Proof/ Shock proof</b>	<b>Weather Proof</b> means the capability of the equipment to work in all weather condition from a temperature range of –10 degree to +55 degree C and under different humid condition <b>Shock Proof</b> means that the equipment should be capable of withstanding the normal shock and bumps of daily operations without any problem.
4	<b>Safety</b>	The equipment should be safe to handle and be free from radiation hazards to the operator.
5	<b>Standards</b>	As per prevailing International Standards
<b><u>Technical Specification</u></b>		
1		The system should be as light in weight as possible. The system should be compact and easy to setup. Maximum thickness of the detector panel not to exceed 5 cms allowing the system to be based in smaller place.
2		All major components should be portable and light weight.
3		The system should be able to function with both pulses and continuous X-Ray source.
4		Real Time measurement of any object on screen should be possible.
5		The system should have laptop based control and display unit along with a video camera unit. The thin detector panel should be high resolution of minimum 1.8 lpmm or better with imaging area of minimum 323x206mm or better
6		X-Ray generator should be light weight (preferably less than 7-10 Kg.) and capable of being operated with cable from a distance up to 50 m.
7		The RTVS should be mountable / suspend able from ROV and mini ROV and should be able to integrate with Robot operations.
8		To facilitate the off side study, the system should be supported by a hardware / software capable of image recording on a storage media i.e. C.D. USB storage device etc.
9		A menu drive software, facilitating the operator to choose a wide range of function provided by the software, should support the system.
10		The software should have the facility of zooming the image along with the ability to scroll the full image.
11		The system should be able to store minimum 30,000 images in its data base library.

12		The system should at least provide image enhancement facilities as under:- Pseudo coloring facilities or better Brightness and contrast control Split screen capability Sharpening of image 3-D effect of an image Tilting / Rotation of an image On screen measurement facility Should have preferable material discrimination function Material Discrimination function should be available
13		The system should have wire & wireless operation (Both system)
14		For easy field use the system should be operated with a rechargeable battery and should have additional facility of operating with AC power supply.
15		A battery low level indication should be available.
16		The system should be protected by anti-virus software to protect its stored data.
17		The system should be capable of operating in the temp. range of – 10 degree C to + 55 degree C.
18		Exposure time / pulses of X-Ray should be adjustable depending on type of object to be viewed and X-Ray.
19		Audible and visual warning during the X-Ray activation should be available.
20		The laptop should be configured with the latest version of software and the hardware upgradeable and expandable. It should be industrial grade.
21		More than 30 images should be taken while operating from the fully charged battery.
22		Image data base should include user name, date, time, place, category, annotation etc.
23		The laptop should have enhanced indoor / outdoor display. It should have backlit keyboard.
24		The laptop should have wireless communication port.
25		X-Ray software should have a facility to use external camera to capture a real picture along with X-ray picture.
26		Operating manual giving illustrative instructions should be provided. Training should be given to operators.
27	<b>Accessories</b>	The carrying case should be light weight, water proof and scratch proof for storage and transportation. Proper load balancing Main and side handles. Rollway wheel design.
28	<b>Essential</b>	i. All connecting cables/ operating accessories ii. Operational manual and technical maintenance manual. iii. Price list of essential parts. iv. Demonstration at our premises before final acceptance without financial obligations. v. Training to member of staff by manufacturing / representative as part of tender vi. Availability of spare parts and suitable repair service centers.
29	<b>Operation &amp; Maintenance Manual</b>	1. Operating Manual and Service Manual should be provided with each unit. 2. Operator's training should be carried out in Lucknow/any district in Uttar Pradesh at our premises.

30	<b>Demonstration</b>	Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. PDI (pre-delivery inspections) will be conducted both at factory premises and also at security branch premises or test field of operation . During demonstration, the technical committee in the presence of the bidders will test the equipment.`
31	<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<ol style="list-style-type: none"> <li>1. The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</li> <li>2. Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period.</li> <li>3. Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 72 hrs. of complaint.</li> <li>4. Should have ready stock of important modules and spare parts</li> <li>5. Bidders should submit sufficient documents to prove their experience in dealing of <b><u>Portable X-Ray view System</u></b> and its maintenance for a period of minimum 5 years.</li> <li>6. Guarantee : Three years from the date of technical acceptance of delivery</li> <li>7. A certificate that the equipments are of the same efficiency what have been shown/ quoted be provided regarding such features which cannot be tested without equipments. A certificates regarding ‘Safety ‘and ‘Standards’ should also be provided. A Testing Report should be provided if the equipment is tested by some recognized Lab. Preference shall be given to the firm who provided necessary certificates and testing reports.</li> <li>8. Manufacturer products shall have quality system compliance with the I.S./ISO 9001/ EN 9001 with certification. Proof to be given with the technical bid..</li> </ol>
<b>After Sale Services in the past 5 Years</b>	<b>Valuation by Technical Branch</b>	
<b>NOTE</b>	<b>The above mentioned specifications are only indicative in nature. Better or technologically updated and superior products are also eligible for consideration.</b>	

## SPECIFICATIONS OF Deep Search Mine Metal Detector

<b><u>PURPOSE</u></b>		Able to detect buried items of explosive with minimum metal content and with its ease of use.
<b><u>GENERAL SPECIFICATIONS</u></b>		
1	<b>Equipment</b>	<b>Self adjusting to its immediate environment. Should be totally sealed, water proof and submersible.</b>
2	Detection	All Ferrous and non-ferrous metal even in low battery condition with prevailing detection norms and needs. Preferably different color LED indication for different detection of metal. Detection must be capable of pinpointing detected metal to 0 to 5cm range. The distance will be taken from the center of the search head to the center of the object.
3	Safety	The equipment should be safe to handle and be free from radiation hazards to the operator.
4	Standards	Prevailing International Standards to suit the ground requirements.
<b><u>Technical Specification</u></b>		
1.		Based on pulse technology
2.		Capable of detecting ferrous & Non-ferrous metals
3		High detection sensitivity
4		Automatic adoption to soil and water conditions
5		Unaffected by magnetized soil, seawater
6.		Safe for electrically activated mines
7.		Should be able to discriminate between two metals placed adjacent to each other
8.		Should be able to detect metal inside hallow metal pipe
9.		Should be able to detect metal in mineralized soils
10.		Max. useable detection to be 0.05 g stainless steel at 75 mm.
11.		Pin pointing the target within $\pm 5$ cm
12.		Adjustable volume control
13.		Selector switch for static or dynamic operation
14.		Battery operated
15.		Low battery indicator
16.		Weight of detector : < 2 Kg. preferable
17.		Complete operating weight : 3.5 Kg. max.(with batteries)
18.		Rigid design
19.		Can operate under all climatic conditions
20.		Ease of operation, no adjustment or compensation necessary
21.	<b><u>Accessories</u></b>	The carrying case should be ruggedize/easily portable. , spare battery and battery charger, if required
22	<b>Operation &amp; Maintenance Manual</b>	1. Operating Manual and Service Manual should be provided with each unit. 2.Operator's training should be carried out in Lucknow/any district in Uttar Pradesh at our premises 3-Informative user hand-book

23	<b>Demonstration</b>	Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. The demonstration must be done within one month after the tender submission. During demonstration the equipment will be tested by the technical committee in the presence of the bidders. PDI (pre-delivery inspections) will be conducted at security branch premises or test field of operation.
24	<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<ol style="list-style-type: none"> <li>1. The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</li> <li>2. Should undertake to provide maintenance/spares support for a period of 8 years including Guarantee period.</li> <li>3. Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24- 72 Hrs. of complaint.</li> <li>4. Should have ready stock of important modules and spare parts</li> <li>5. Should have proven infrastructure <u>including testing tools</u> for repair and maintenance.</li> <li>6. Bidders should submit sufficient documents to prove their experience in dealing of <b><u>Deep search mine metal detector</u></b> and its maintenance for a period of minimum 5 years.</li> <li>7. <b>Guarantee : Three years</b> from the date of technical acceptance of delivery.</li> </ol>
<b>After Sale Services in the past 5 Years</b>	<b>Valuation by Technical Branch</b>	
<b>NOTE</b>	<b>The above mentioned specifications are only indicative in nature. Better or technologically updated and superior products are also eligible for consideration.</b>	



**Specification of Telescopic Manipulator**  
**FILE NO. SURAKSHA/AADHU.UPKARAYA-236/2011-14**

<b><u>PURPOSE</u></b>	The Telescopic Manipulator is used to move suspect objects away. It is simple, easy to operate, and can control the switch of the manipulator. It is suitable for public security, fire protection and explosion protection.
<b>1</b> <b><u>General Specification</u></b>	<ul style="list-style-type: none"> <li>1-Electrically operated claw.</li> <li>2-Claw can be manually rotate.</li> <li>3- The rechargeable battery pack power source lasts for a minimum of 2-3 hours of continuous operation time.</li> <li>4-Adopted high strength and light weight material</li> <li>5-Height of stand can be adjusted and locked</li> <li>6-Easy and quick installation.</li> </ul>
<b>2</b> <b><u>Technical Specification</u></b>	<ul style="list-style-type: none"> <li>1-The Claw should adjustable and can be open up to 175mm</li> <li>2-Lifting capacity up to 15-20 kg.</li> <li>3-It has a minimum length of 4.5 meters in extended position.</li> <li>4-It should not have Weight more than 15Kgs when assembled for use(excluding Tripod)</li> <li>5-It should provide a standoff distance of minimum 3 meters from the claw.</li> <li>6-It should able to pickup soft objects like Toy –bomb, plastic bottles, soft packet bombs etc. by way of torque control feature</li> <li>7- The telescopic manipulator is having a breakaway tip arrangement, so that in case of a possible exploration only the tip is damaged and reduces the recoil effect almost to nil.</li> <li>8-Should not get interfered with electromagnetic interferences , Should confirm to EMC (Electro magnetic interferences certificate) specifications en55011B and en 50082-1</li> <li>9-The electronic components are water proof.</li> <li>10-The telescopic arm should be of non conductive, non magnetic carbon fiber.</li> <li>11.The equipment is provided with various optional claws, which can be fitted and used as required.</li> <li>12.The equipment is to be provided with only one set rechargeable batteries and charger.</li> </ul>
<b>3</b> <b><u>Operating Temperature</u></b>	-10 <sup>o</sup> C to + 50 <sup>o</sup> C
<b>4</b> <b><u>Accessories</u></b>	<ul style="list-style-type: none"> <li>Tripod Stand for easy move ability</li> <li>Nylon shoulder strap for balancing the system</li> <li>Transporting Carrying Box.</li> </ul>
<b>5</b> <b><u>Quality of component</u></b>	International standard and quality.
<b>6</b> <b><u>Operation &amp; Maintenance Manual</u></b>	<ul style="list-style-type: none"> <li>1- Operating Manual and Service Manual should be provided with each unit.</li> <li>2-Operator’s training should be carried out in Lucknow /any district in Uttar Pradesh at our premises</li> </ul>
<b>7</b> <b><u>Demonstration</u></b>	Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. PDI (pre-delivery inspections) will be conducted both at factory premises and also at security branch premises or test field of operation. During demonstration, the technical committee in the presence of the bidders will test the equipment.

8	<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<p>1-The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</p> <p>2-Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period, on site.</p> <p>3-Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24-72 hrs. of complaint.</p> <p>4-Should have ready stock of important modules and spare parts</p> <p>5-Bidders should submit sufficient documents to prove their experience in dealing of <b>Telescopic Manipulator</b> and its maintenance for a period of minimum 5 years.</p> <p>6-Guarantee: Three years from the date of technical acceptance of delivery.</p> <p>7- A certificate that the equipments are of the same efficiency what have been shown/ quoted, be provided regarding such features which cannot be tested without equipments. A certificates regarding 'Safety 'and 'Standards' should also be provided. A Testing Report should be provided if the equipment is tested by some recognized Lab. Preference shall be given to the firm who provided necessary certificates and testing reports.</p> <p>8- Manufacturer products shall have quality system compliance with the I.S./ISO 9001/ EN 9001 with certification. Proof to be given with the technical bid.</p>
<b>After Sale Services in the past 5 Years</b>	<b>Valuation by Technical Branch</b>	
<b>NOTE</b>	<b>The above mentioned specifications are only indicative in nature. Better or technologically updated and superior products are also eligible for consideration.</b>	

**Specification of Optical Fiberscope**  
**FILE NO. SURAKSHA/AADHU.UPKARAYA-236/2011-14**

<b>Technical specifications</b>		
1	<b>Flexible Fibroscope</b>	a- Effective Length : 1500-2000mm b- Outside Diameter : 6-8mm c- probe Type & Flexibility : Semi flexible d- <b>Exterior</b> -Stainless Steel Braid, Waterproof-Insertion Tube and Tip Chemical Compatibility-Machine Oil, Heating oil, Diesel & Petrol fuel.
2	<b>Optics</b>	a- Field of view : 90 D or more b- Direction of view : Forward c- Depth of field : 4 mm to infinity d- Recognition : Capable of recognizing a human target at a minimum distance of 6 meter or more d- Day/night viewing capability : Should be able to recognize object in pitch darkness(with the help of IR) and day light. e- Light source : Eye safe Infrared(invisible to naked eye) g- Lamp Life : Minimum 1000 Hrs of Operation h- <b>Illumination Method-</b> Super High-intensity white LEDS
3	<b>Articulation Section</b>	a. 4 way, Up/Down/ Right/ Left – 90 Degree or more.( to View 360 Degree) b. <b>Joystick with "Direct control"</b> mechanism or better. c. Operating temperature range: -10° C to +55° C
4	<b>Camera</b>	a. Camera Resolution : 10 Mega Pixel or better. b. Lens : Wide angle 1.8 mm or better c. Zoom : 2X or better
5	<b>Audio</b>	a- Microphone Type : Supersensitive audio microphone b- Sensitivity : Should be able to pickup sound in room of 15 feet x 20 feet c- Terminal Audio Output: Monaural Flat Jack for Hands free Earphone or better
6	<b>Rechargeable Battery</b>	<b>Battery</b> : 6V-12 V, sealed lead acid/ Nickel cadmium.  Battery charger : 6-12 V DC regulated output, 220 V AC input.
7	<b>LCD Monitor</b>	a. Type : Hand Held type LCD Monitor with shoulder harness/ neck strap to be provided b. Size : Not less than 3" c. Control: Should have control for brightness, contrast and audio volume. d. Audio / Video interfaces : provision for audio and vedio interface be provided.
8	<b>Recording</b>	a. <b>Encoding wideband-</b> :MPEG/MJPEG or better b. MPEG/MJPEG <b>frame rate-</b> Variable according to use or better. c. Memory : Minimum 2 hour of recording on detachable SD or Micro SD card.
9	<b>Power Supply</b>	a. Battery: rechargeable ob replaceable lithium battery evadible in India.

		<p>b. Battery working life : minimum 4-5 hours in day/ night working condition on full charge.</p> <p>c. Battery Charging time less than 4 Hrs.</p> <p>d. Weight of complete system excluding carrying case 5 Kg or Less.</p>
10	<b>Accessories with each Fiberscope</b>	<p>a. Micro SD Card or SD card: 10 Nos. spare detachable memory cards.</p> <p>b. Carrying case: soft carrying case with back strap and hard carrying case for transportation (water resistance)</p> <p>c. Spare battery : 2 No spare batteries</p> <p>d. Battery charger qty 01 per fiberscope : Should work with 220V/230 V AC 50 Hz and 6 or 12 volt Secondary battery.</p> <p>e. Belt Sets : Belt set should enable comfortable operation.</p>
10	<b>Operation &amp; Maintenance Manual</b>	<p>1- Operating Manual and Service Manual should be provided with each unit.</p> <p>2-Operator's training should be carried out in Lucknow /any district in Uttar Pradesh at our premises</p>
11	<b>Demonstration</b>	<p>Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. PDI (pre-delivery inspections) will be conducted both at factory premises and also at security Head Quarter premises or test field of operation. During demonstration, the technical committee in the presence of the bidders will test the equipment.</p>
12	<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<p>1-The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</p> <p>2-Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period, on site.</p> <p>3-Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24-72 hrs. of complaint.</p> <p>4-Should have ready stock of important modules and spare parts</p> <p>5-Bidders should submit sufficient documents to prove their experience in dealing of <b><u>Optical Fiberscope</u></b> and its maintenance for a period of minimum 5 years.</p> <p>6-Guarantee: Three years from the date of technical acceptance of delivery.</p> <p>7- A certificate that the equipments are of the same efficiency what have been shown/ quoted, be provided regarding such features which cannot be tested without equipments. A certificates regarding 'Safety'and 'standards' should also be provided. A Testing Report should be provided if the equipment is tested by some recognized Lab. Preference shall be given to the firm who provided necessary certificates and testing reports.</p> <p>8- Manufacturer products shall have quality system compliance with the I.S. /ISO 9001/ EN 9001 with certification. Proof to be given with the technical bid.</p>

<b>After Sale Services in the past 5 Years</b>	Valuation by Technical Branch
<b>NOTE</b>	<b>The above mentioned specifications are only indicative in nature. Better or technologically updated and superior products are also eligible for consideration.</b>

### **Specification of TOTAL CONTAINMENT VESSEL/BOMB TRUCK**

<u><b>Technical specifications</b></u>	
<b>1</b>	Should be capable of containing blast of minimum 8 Kg. Of high explosive (TNT) or equivalent quantity of explosive.
<b>2</b>	Body should be made of high grade steel.
<b>3</b>	The weight of complete system including vessel/ container (excluding trailer) should not exceed 5000 Kg.
<b>4</b>	The door access/ dia, if circular should be 40" ± 20% (40 inches ± 20 %)
<b>5</b>	The container should be reusable in the sense that is with stand repeated detonation with full capacity explosive.
<b>6</b>	Certified test report from the internationally recognized lab showing proof that with full capacity explosive should be submitted by the firm.
<b>7</b>	There should be an arrangement for stress measurement after the blast, if applicable
<b>8</b>	Should be provided with aluminum finish polish/anti corrosive coating.
<b>9</b>	Capable of remotely operating the opening and closing remotely (either by wireless remote control or equivalent interface with standard EOD remote.
<b>10</b>	Should have remote mobility platform that can move the containment vessel off the trailer and closer to the (i.e. track style or mobile car platform)
<b>11</b>	Configure unit to allow future upgrade of vessel to sealed capacity that can accommodate is device with channel or biological hazard while the unit remains in country.
<b>12</b>	The sampling system must incorporate operation under vacuum seals that liquid or vapour sample can be taken of the vessel atmosphere without external contamination.
<b>13</b>	A radio frequency shield should be provided to stop or prevent the operation of all radio controlled IED.
<u><b>Trailer</b></u>	
<b>14</b>	Length should be 15ft +/- 10%
<b>15</b>	Over all width should not exceed 10 ft.
<b>16</b>	Ground clearance should be more than 1 ft.
<b>17</b>	The weight of the trailer alone should not exceed 2000 Kgs.
<b>18</b>	It should be 4 wheeled with reliable suspension system to negotiate rough terrain.
<b>19</b>	Should have heavy duty tyres.
<b>20</b>	Brakes – Should have an effective braking system.
<u><b>Miscellaneous</b></u>	
<b>21</b>	System should have an on board power backup for operating in emergency.
<b>22</b>	System should have manual backup system for operating in an emergency.
<b>23</b>	The trailer mounted container/ vessel should be towable by range of medium vehicles available in India.
<b>24</b>	The equipment should be provided with
<b>A</b>	Cleaning Kit.
<b>B</b>	Special Maintenance tools/ special testing equipment, as applicable.
<b>C</b>	MRLS( Manufacturer recommended list of spares), if any.
<b>D</b>	Tech documentation as applicable.

<b>E</b>	Physical training in India.
<b>F</b>	Illustrated spare part list(ISPL), if any.
<b>G</b>	Tech specification of equipment including inspection criteria.
<b>H</b>	Proof schedule to include detail of testing and acceptance criteria.
<b>I</b>	Tech Manual giving full description of the equipment.
<b>J</b>	User hand book.
<b>K</b>	Literature on maintenance.
<b>L</b>	Specification for packing , including transportation/storage.
<b>M</b>	Details regarding periodical inspection of the User.
<b>N</b>	The Firm should confirm in the inspection of the system after the full capacity blast.
<b>Operation &amp; Maintenance Manual</b>	<p>1- Operating Manual and Service Manual should be provided with each unit.</p> <p>2-Operator’s training should be carried out in Lucknow /any district in Uttar Pradesh at our premises</p>
<b>Demonstration</b>	<p>Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. PDI (pre-delivery inspections) will be conducted both at factory premises and also at security branch premises or test field of operation. During demonstration, the technical committee in the presence of the bidders will test the equipment.</p>
<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<p>1-The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</p> <p>2-Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period, on site.</p> <p>3-Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24-72 hrs. of complaint.</p> <p>4-Should have ready stock of important modules and spare parts</p> <p>5-Bidders should submit sufficient documents to prove their experience in dealing of <b><u>TOTAL CONTAINMENT VESSEL/BOMB TRUCK</u></b> and its maintenance for a period of minimum 5 years.</p> <p>6-Guarantee: Three years from the date of technical acceptance of delivery.</p> <p>7- A certificate that the equipments are of the same efficiency what have been shown/ quoted, be provided regarding such features which cannot be tested without equipments. A certificates regarding ‘Safety’and ‘standards’ should also be provided. A Testing Report should be provided if the equipment is tested by some recognized Lab. Preference shall be given to the firm who provided necessary certificates and testing reports.</p> <p>8- Manufacturer products shall have quality system compliance with the I.S. /ISO 9001/ EN 9001 with certification. Proof to be given with the technical bid.</p>

After Sale Services in the past 5 Years	Valuation by Technical Branch
<b>NOTE</b>	The above mentioned specifications are only indicative in nature. Better or technologically updated and superior products are also eligible for consideration.

### Specification of MINI REMOTELY OPERATED VEHICLE (MROV)

<b>1</b>	<b>Structures/ Installation</b>	<p>The Mini ROV should be able to carry out EOD and surveillance of the following structures / Installation</p> <ol style="list-style-type: none"> <li>a. Inside air craft and train</li> <li>b. Building &amp; installation</li> <li>c. Urban transportation location</li> <li>d. Passenger Terminals</li> <li>e. Under the vehicle</li> </ol>
<b>2</b>	<b>Key Tech Feature</b>	<p>The Mini ROV should have the following key technical features:-</p> <ol style="list-style-type: none"> <li>a. Weight not more that 90 Kg, including the mini ROV base station and all accessories.</li> <li>b. Climbing ability – 45° stair and slopes.</li> <li>c. Operation in all type of weather.</li> <li>d. Telescope boom – Extended minimum 1 meter and maximum 2.5 meter or more from the ground/ floor.</li> <li>e. Video colour camera , driving reverse camera and aiming camera with pan and tilt capability.</li> <li>f. Night vision capability.</li> <li>g. Modular weapon mounting system.</li> <li>h. EOD manipulator arm with camera and white flood light.</li> <li>i. Aiming with help of both camera and laser aiming pointer.</li> <li>j. Lifting capability – 8 Kg and above with telescopic boom fully extended.</li> <li>k. Spot lights/ LED qty Two- one for driving camera and other for aiming camera and should be compatible with video camera.</li> <li>l. Should have built in test equipment (BITE) facility.</li> </ol>
<b>3</b>	<b>Control</b>	<ol style="list-style-type: none"> <li>a. Radio control Urban / built up area 200 meter</li> <li>b. Radio control open area - 500m</li> <li>c. Fiber optic control minimum 200m</li> <li>d. Capabilities to take X-Ray with X-ray mount assembly/ real time viewing system.</li> </ol>

<b>4</b>	<b>EMI/EMC</b>	Equipment should be EMI/EMC compatible.
<b>5</b>	<b>EOD Options</b>	<ul style="list-style-type: none"> <li>a. Water jet Disruptor.</li> <li>b. Charge Dropper Assembly.</li> <li>c. RTVS Mount.</li> <li>d. Lifting bracket with articulated movement for key opening .</li> </ul>
<b>6</b>	<b>Power Supply</b>	<ul style="list-style-type: none"> <li>a. AC to DC via on board power converter with cable minimum 100 meter.</li> <li>b. Rapid rechargeable Lithium ion Battery.</li> <li>c. Battery capacity. <ul style="list-style-type: none"> <li>i. Driving Endurance – 2 Hrs.</li> <li>ii. Operational Endurance – 4 Hrs.</li> </ul> </li> <li>d. Battery charger to be provided with option of fast charge and normal charge. The maximum charging time for fast charge should not be more than 6 Hrs. And for normal charge should not be more than 12 Hrs.</li> </ul>
<b>7</b>	<b>Base Station</b>	<ul style="list-style-type: none"> <li>a. Compact and light weight.</li> <li>b. Portable control system.</li> <li>c. Display unit with high resolution screen.</li> <li>d. Capable of powered on main and battery both.</li> <li>e. Should have picture in picture display with camera section switch.</li> <li>f. Should have joystick / toggle buttons controls.</li> <li>g. Should have inbuilt safety feature.</li> <li>h. Should have essential operational controls.</li> </ul>
<b>8</b>	<b>Operation &amp; Maintenance Manual</b>	<p>1- Operating Manual and Service Manual should be provided with each unit.</p> <p>2-Operator’s training should be carried out in Lucknow /any district in Uttar Pradesh at our premises</p>
<b>9</b>	<b>Demonstration</b>	Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. PDI (pre-delivery inspections) will be conducted both at factory premises and also at security branch premises or test field of operation. During demonstration, the technical committee in the presence of the bidders will test the equipment.
<b>10</b>	<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<p>1-The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</p> <p>2-Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period, on site.</p> <p>3-Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24- 72 hrs. of complaint.</p> <p>4-Should have ready stock of important modules and spare parts</p> <p>5-Bidders should submit sufficient documents to prove their</p>



		<p>experience in dealing of <b><u>MINI REMOTELY OPERATED VEHICLE (MROV)</u></b> and its maintenance for a period of minimum 5 years.</p> <p>6-Guarantee: Three years from the date of technical acceptance of delivery.</p> <p>7- A certificate that the equipments are of the same efficiency what have been shown/ quoted, be provided regarding such features which cannot be tested without equipments. A certificates regarding 'Safety'and 'standards' should also be provided. A Testing Report should be provided if the equipment is tested by some recognized Lab. Preference shall be given to the firm who provided necessary certificates and testing reports.</p> <p>8- Manufacturer products shall have quality system compliance with the I.S. /ISO 9001/ EN 9001 with certification. Proof to be given with the technical bid.</p>
<b>After Sale Services in the past 5 Years</b>		<b>Valuation by Technical Branch</b>
<b>NOTE</b>		<b>The above mentioned specifications are only indicative in nature. Better or technologically updated and superior products are also eligible for consideration.</b>

**Specification of ADVANCE WEAPON SIMULATOR**  
**FILE NO. SURAKSHA/AADHU.UPKARAYA-236/2011-14**

1. The QR for systems are giving in succeeding paras.
2. **Training Requirements**
  - a. **Simultaneous Firing** : The system should be capable of enabling eight or more firers to fire simultaneously.
  - b. **Multi Weapon Facilities**: Lanes should be capable of using different weapons. Each lane should have the facility to assign the number of bullets issued individually, with a facility to issue the same number of bullets to all the lanes simultaneously.
  - c. **Squad Post Training** : Squad post training should be provided in two modes with visual feedback normal (regular target) and Advanced (moving pendulum). In normal mode the trainee has to view the Bull's eye of the target. While, the trainee is on bull's eye a visual indication should be given to the trainee. In advanced mode the trainee should continuously track a pendulum. The speed of the pendulum should be capable of being varied to change the complexity of the training. Feedback as to the percentage of time the trainee was on target should be displayed.
  - d. **Application Fire**:
    - (i) **Static Target Practice** : Static Targets of application fire need to be provided in standard mode. Additional features in static targets should include.
      - (aa) Exercise should be timed.
      - (ab) Facility should be provided to change the special effects (tactical scenarios like clouds, fog, wind velocity, dust, smoke, night conditions etc).

- (ac) Scores as per firing practices, misses, scores and percentage obtained. The scoring pattern should be customized as per the user requirement and accept additional scoring patterns if required.
- (ad) Should be capable of replaying all lanes simultaneously or individual lanes only. In the case of individual lanes, the replaying should be viewed in normal or zoom mode. Facility should be provided to view full trace, from the beginning of the session to the end of the session, where the movement of the weapons needs to be visually traced, giving an opportunity of time and motion study.
- (ae) Replay should be provided as a short trace also. In short trace more, the point of aim and the point of impact (follow through) need to be displayed. In the case of individual lanes the replay should be viewed in normal and zoom mode. This should enable the instructor to interpret the mistakes and suggest corrective measures.
- (af) should be capable of controlling replay speed.
- (ag) Should be performing bullet by bullet analysis.
- (ah) Print out of the results of the exercise should include some or all of the parameters, as per the discretion of the user, with facility to preview the printout.
- (aj) Graphical depiction of the hold of the weapons giving both, the horizontal and vertical movements should be provided.
- (ak) Static targets, which rotate on being hit, should be provided.
- (II) **Moving target Practice:** Moving target exercises should be provided, with the following feature:-
  - (aa) Any of the default of user defined target should be capable of being used for moving targets.
  - (ab) Instructor should be capable of controlling direction and speed of moving targets.
  - (ac) Replaying facility providing information on track and bullet numbers at the point of impact on the target should be provided.
  - (ad) instructor should be able to choose from the default paths provided or define their own path. An orthographic view should be provided for defining paths.
  - (ae) Facilities similar to static targets like changing special effects etc should also be provided.
  - (af) Target must appear in various profile i.e. head-on, oblique, lateral , random path etc.

**(III) Snapshot Practice: Snapshot targets should be provided with the following features:**

- (aa) For each snapshot target, uptime, downtime, number of exposures, and special effects should be capable of being controlled.
- (ab) Targets with rotate option should be provided wherein, if the target is hit, during the visibility phase (uptime), it should rotate.
- (ac) Facilities similar to static targets like changing special effects, replaying etc should be provided.
- (ad) An exercise where the targets appear at random points should be provided. In this exercise, even the instructor should not be aware in advance where the target will appear.
- (ae) An exercise similar to 2 (d) (iii) (ad) above should be provided where in the instructor should be able to control points of appearance of the targets.
- (af) An exercise where each track is assigned a target with different shape and colour combination should be provided. The target in this exercise should appear at random points on the screen.
- (ag) An advanced snapshot exercise where each track is assigned a different coloured target should be provided. In this exercise the target should appear at random points on the screen.

**(e) Grouping Exercise :** A grouping exercise which judges the grouping of bullets fired by a trainee, and provides Hold, Aim and Trigger (HAT) feedback with percentage accuracy in each of the above aspects should be provided.

**(f) Video based Scenarios:** To include scenario hostage rescue, ambush, patrolling, VIP security, CI OPS etc should be provided Ranging from simple to Complex, these video scenarios should be relevant to Indian security forces customizable by the end user.

**(g) Documentation :** Complete trainees details should be stored including their rank, score, etc. Their performance over a period of time should be stored and displayed as and when required. To accommodate specific needs of the organization the format should allow customization. The following documents should be provided:-

- (i) Software test procedure
- (ii) Software user manual
- (iii) Software installation procedure document
- (iv) Software and hardware bilingual user handbook.
- (v) Software verification and validation and reliability document.
- (vi) Software should be upgradeable.

**(h) Operational Environment:** Different types of operational environment should be provided including built up area, high rise buildings like akshardham & red fort etc, historical monuments, desert area, jungle and mountainous terrain etc. These Operational Environments should be available for integration into the system as and when required during warranty period.

**(i) Targets:** Different types of targets should be provided including Fig 11, Fig 12, Rubia target, Fig 1x1 ,Fig 2x2 ,4x4 Target, Friend & Foe , and bunker target etc. Vehicle targets such as Light, Medium & Heavy motor vehicles should be included. Furthermore there should be facility to include defined target, if required.

### **3. Technical Specifications**

**(a) Facility of Aimer** An Aimer depicting point of aim with an option to disable the aimer should be provided.

**(b) Range :** Range should be upto 2000 meters.

**(c) Special Effects:** Special effect should be provided on the range to simulate:

(i) Different modes of sky, such as clear, sparsely clouded densely clouded and rainy conditions.

(ii) Configurable times of the day, allowing instructor specify any point in day(for e.g night, dust/dawn and day)

(iii)Configurable fog conditions which once enabled should allow the visibility range, in meters to be set.

**(d) Preview:** Facility to preview the range should be provided in the setup, A range should be displayed without starting the exercise.

**(e) Weapon Calibration:** Facility for weapons calibration should be provided and the details of the calibration should be stored for current as well as future sessions.

**(f) Annual Range Course :** \_Software should be provided to facilitate the end user to develop and incorporate annual range courses. Annual range course once designed should appear as integrated – as a menu item- in the software.

**(g) 3D Scenario :** 3D scenario software to generate scenarios comprising of 3D human targets, 3D vehicles, 3D structures etc should be provided. The 3D human targets should be interactive i.e on being shot they should fail.

**(h) Voltage Levels:** The system should work at the normal voltage of 220 volts AC, single phase/Generator/ 30 Minutes of UPS backup.

**(i) Storage Capacity:** There should be adequate data storage capacity for minimum 5 years available in the Simulator for use during its life span.

**(j) Endurance:** It should be able to operate for 6 hours without a break and a minimum of 12 hours of operation in a day should be possible.

- (k) **Service Life** : The service life should be minimum 10 years.
- (l) **Temperature Range**:- The Simulator should be capable to operate effectively in the temperature ranging from (-) 2 degree Celsius to (+) 55 degree Celsius.
- (m) **Tropical Condition**:- The system should be capable of operating up to (+) 35 degree Celsius with 90% relative humidity.
- (n) **Guarantee**: Three years from the date of technical acceptance of delivery.
- (o) **Service**:- Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24-72 hrs. of complaint and Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period, on site.

**Specification of OVERALL FIRE PROOF**  
**FILE NO. SURAKSHA/AADHU.UPKARAYA-236/2011-14**

<b>1</b>	<b>JACKET</b>	<p><b><u>Fire Fighting jacket tested as per International Standard</u></b></p> <ul style="list-style-type: none"> <li>➤ Fire Fighter jacket is provided with FR Zipper and FR Velcro ( Hook &amp; Loop )</li> <li>➤ The Zipper is concealed by a flap of the outer shell with Velcro provision for extra protection.</li> <li>➤ Heavy Duty shield lining provided on the front side of the shoulder and on elbow area for extensive abrasion resistance against extreme operations</li> <li>➤ Special design features provided under the armpits for easy movement of arms</li> <li>➤ FR Knitted round cuff material is provided at the wrist for firm fit and to ensure that heat is not transmitted through the wrists.</li> <li>➤ 2" FR Reflective trim is used at middle round of the jacket , two rows in bottom round of the jacket and, two rows on arms round of the jacket ensure high visibility</li> <li>➤ Two pockets with flaps at the bottom of Jacket and one radio pocket having flap on the left side chest area of jacket is provided</li> <li>➤ Anti wicking fabric provided sleeve bottoms and waist bottoms to enable water and liquid/ water runoff during Fire fighting operations</li> <li>➤ Loop is provided for fixing the torch</li> <li>➤ Name tag attachment Velcro provided on the right side chest area of the Jacket</li> <li>➤ The entire Jacket is stitched with inherent flame retardant Threads</li> <li>➤ The size of Jacket confirming to as per International Standard.</li> </ul>
<b>2</b>	<b>TROUSER</b>	<ul style="list-style-type: none"> <li>➤ Fire fighter Pant is Provided with one central fly zippers for easy wear and removal with comfort while wearing or</li> </ul>

		<p>removing</p> <ul style="list-style-type: none"> <li>➤ The Zipper is concealed by a flap of the outer shell.</li> <li>➤ The concealed FR Elastic is provided at the waist for firm fit</li> <li>➤ Two side thigh pockets are provided for storing any important accessories</li> <li>➤ The entire pant is held in place by adjustable FR Suspenders</li> <li>➤ Heavy Duty Stead shield lining is provided at the knee portion as an additional reinforcement to enhance the life of the garment during kneeling or any such operation.</li> <li>➤ Two strips of 2"FR Reflective trim provided at the ankle portion for high visibility</li> <li>➤ Anti wicking fabric provided at leg bottoms to enable water / liquid run off during Fire Fighting operations</li> <li>➤ The size of Pant confirming to as per International Standard</li> </ul>
3	<b>Hood</b>	<ol style="list-style-type: none"> <li>1. Anti flash hood made from inherent flame retardant knitted fabric.</li> <li>2. The entire hood is double layered to ensure to protect the fire man from any flash of heat.</li> <li>3. The hood is certified to as per International Standard.</li> </ol>
4	<b>HELMET</b>	<ul style="list-style-type: none"> <li>➤ The helmet is made out of FRP flame retardant material.</li> <li>➤ The helmet is having flame retardant collapsible visor. The visor should go inside the helmet.</li> <li>➤ The helmet is having soft cushion head band and ratchet type adjustment system to adjust the size of the helmet depending upon the wearer head size.</li> <li>➤ The helmet is having reflective strips on the shell for high visibility.</li> <li>➤ The helmet is having extra detachable neck protection.</li> <li>➤ The helmet is as per International Standard</li> <li>➤ The helmet shell should cover up to the neck</li> </ul>
5	<b>BOOT</b>	<p><b>Colour</b> : Yellow/ Black</p> <p><b>Size range</b> : 38 to 48</p> <p><b>Material</b> : Rubber compounds containing fire extinguishing additives, mixed FR cotton <b>Construction</b> Lining giving increased abrasion resistance, sock lining increasing antistatic properties</p> <p><b>Outsole</b> : With Steel anti-perforation insert, resistant to oil, fuels, acids and temperature to 250 degrees C and antistatic construction.</p> <p><b>Insole</b> :With anatomic replaceable innersole washable in water at 40 Degrees C , absorbing treads energy in heel</p> <p><b>Weight</b> : Approximately <b>up to 3</b> kg per pair</p>
6	<b>Gloves</b>	<ol style="list-style-type: none"> <li>1. Fire fighter gloves is made up of Multi layer assembly having outer layer as FR Leather and middle layer as moisture barrier and inner layer as thermal barrier and cut resistant lining</li> </ol>



		<ol style="list-style-type: none"> <li>2. The design of the gloves is five finger type</li> <li>3. The Fire Fighter Gloves is having FR Knit wrist for firm fit.</li> <li>4. 2” Reflective trim provided at back portion of palm for visibility.</li> <li>5. The Gloves is as per International Standard.</li> </ol>
	<b>Operation &amp; Maintenance Manual</b>	<ol style="list-style-type: none"> <li>1- Operating Manual and Service Manual should be provided with each unit.</li> <li>2-Operator’s training should be carried out in Lucknow /any district in Uttar Pradesh at our premises</li> </ol>
	<b>Demonstration</b>	<p>Demonstration for the verification of various Technical parameters claimed for the product by the firm will be required during technical evaluation and also at the time of delivery for technical acceptance. PDI (pre-delivery inspections) will be conducted both at factory premises and also at security branch premises or test field of operation. During demonstration, the technical committee in the presence of the bidders will test the equipment.</p>
	<b>Terms &amp; Conditions for After Sales Service/ maintenance &amp; spares, support &amp; infrastructure for maintenance</b>	<ol style="list-style-type: none"> <li>1-The manufacturer/supplier should be a reputed firm, having service centers preferably in Uttar Pradesh.</li> <li>2-Should undertake to provide maintenance/spares support for a period of 8 years including guarantee period, on site.</li> <li>3-Should have team of qualified engineers at service station to undertake prompt and efficient service/maintenance work within 24- 72 hrs. of complaint.</li> <li>4-Should have ready stock of important modules and spare parts</li> <li>5-Bidders should submit sufficient documents to prove their experience in dealing of <b><u>OVERALL FIRE PROOF</u></b> and its maintenance for a period of minimum 5 years.</li> <li>6-Guarantee: Three years from the date of technical acceptance of delivery.</li> <li>7- A certificate that the equipments are of the same efficiency what have been shown/ quoted, be provided regarding such features which cannot be tested without equipments. A certificates regarding ‘Safety’and ‘standards’ should also be provided. A Testing Report should be provided if the equipment is tested by some recognized Lab. Preference shall be given to the firm who provided necessary certificates and testing reports.</li> <li>8- Manufacturer products shall have quality system compliance with the I.S. /ISO 9001/ EN 9001 with certification. Proof to be given with the technical bid.</li> </ol>

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