DIRECTORATE GENERAL
FIRE SERVICES, HOME GUARDS & CIVIL DEFENCE,
ODISHA

SHORT TENDER CALL NOTICE

1. Sealed tenders are invited from the original equipment manufacturer (OEM) or their authorized agent/ dealer for purchase of different types of equipments during 2019-20. The details of items with requirement are as follows.

<table>
<thead>
<tr>
<th>SI No.</th>
<th>Name of the item</th>
<th>Approximate Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clean Agent Fire Extinguisher</td>
<td>10 Nos</td>
</tr>
<tr>
<td>2</td>
<td>Aluminum Short Branch Pipe</td>
<td>74 Nos</td>
</tr>
<tr>
<td>3</td>
<td>Concrete Cutter</td>
<td>10 Nos</td>
</tr>
<tr>
<td>4</td>
<td>Mechanical Saw (24 Inch)</td>
<td>300 Nos</td>
</tr>
<tr>
<td>5</td>
<td>Single Nozzle B.A Compressor</td>
<td>05 Nos</td>
</tr>
<tr>
<td>6</td>
<td>Generator Set</td>
<td>35 Nos</td>
</tr>
<tr>
<td>7</td>
<td>Victim Location Camera</td>
<td>01 No.</td>
</tr>
<tr>
<td>8</td>
<td>Search Light</td>
<td>155 Nos</td>
</tr>
<tr>
<td>9</td>
<td>Tarpaulin</td>
<td>110 Nos</td>
</tr>
<tr>
<td>10</td>
<td>Gum Boot with Steel Toe (Black Colour)</td>
<td>100 Prs</td>
</tr>
</tbody>
</table>

2. The tender document with detail technical specification may be seen from the state website www.odisha.gov.in and Odisha Fire Service website www.odishafshqscd.gov.in. The tender document may be obtained by depositing `300/- (Rupees three hundred) only between 11.00 A.M to 5.30 P.M each working days from the office of the undersigned at the address given below or downloading from state website and should be submitted duly signed in each page of the tender document with seal in token of having read understood and accepted the terms and conditions of the contract in the address given below. The tender should be submitted in prescribed format along with a Demand Draft Non-A/C payee of `300/- (Rupees three hundred) only payable at SBI, Main Branch, Cuttack (Code No-0059) in favour of D.D.O, Directorate General of Fire Service, Odisha, Cuttack, towards the cost of tender paper in case of firms submitted tender by downloading the tender document from website. However, the authorities shall not be responsible for postal or any other delay.
3. The bidder has right to quote any one of the item and it is not mandatory to quote all items mentioned in the tender.
4. Bids submitted other than the manner prescribed in the tender document shall be rejected.
5. The Tender Calling Authority has right to accept or reject the tender(s) without assigning any reason thereof. The bidder should drop the sealed tender packet in the "Tender Box" available in the office of the undersigned by the stipulated date and time at his own risk and responsibilities.
7. Last date for sale of tender document dt. 05-02-2020, 5.30 P.M.
8. Last date for receipt of tender document dt. 05-02-2020, 5.30 P.M.
9. Date for opening of tenders/Technical Bids dt. 06-02-2020, 11.00 AM onward.
10. The bidders are required to depute their representatives to remain present during opening of Tender/ Technical Bid as per dates mentioned above.
11. The tenders received after the stipulated date shall not be taken in to consideration and liable for rejection.
12. The tender calling authority has the right to cancel or alter quantity of any of above item without assigning any reason thereof.
13. Address.
   Directorate General of F.S, H.Gs & C.D,
   At-3rd Floor of Vigilance Directorate,
   Nuapatna, Cuttack, Pin-753001
   FAX-0671-2300201/ 2303387.

I.G of Police, Fire Service,
Home Guards & Civil Defence,
Odisha, Cuttack.

Address - 3rd Floor, Vigilance Building, Nuapatna, Buxibazar, Cuttack-753001
Tel. - 0671-2300317, Fax : 0671-2300201,
E-mail : cghomeguardsodisha@gmail.com, fireservicesodisha@gmail.com
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

DIRECTORATE GENERAL
FIRE SERVICES, HOME GUARDS & CIVIL DEFENCE,
ODISHA


To

M/s

DIFFERENT TYPES OF EQUIPMENTS FOR ODISHA FIRE
SERVICE ORGANIZATION DURING THE FINANCIAL
YEAR 2019-20.

DIRECTORATE GENERAL
FIRE SERVICES, HOME GUARDS & CIVIL DEFENCE,
ODISHA

Certified that the book contains page- 1 to 22.

1. Sale of tender document w.e.f - dt. 22-01-2020
2. Last date for sale of tender document - dt. 05-02-2020, 5.30 p.m
3. Last date for receipt of tender document - dt. 05-02-2020, 5.30 p.m
4. Date of opening of sealed Tender/Technical Bids. - dt. 06-02-2020, 11.00 a.m
TENDER DOCUMENT NO-(I)

GENERAL CONDITIONS OF THE CONTRACT

1. The bidder/supplier should either be an Original Equipment Manufacturer (OEM) or their agent/dealers authorized to sell, supply and service their products. The latest authenticated documentary proof of this shall be submitted. The proof submitted earlier in some other context shall not be treated as valid and sufficient.

2. All the information as called for in the tender document should be submitted truly, clearly, legibly, transparently, unambiguously and without the use of abbreviations. It shall be submitted in English.

3. All the crucial figures, like, rates and amount should written in figures followed by words in a bracket.

4. There shall be no over writing in the tender document and other papers submitted.
   All the addition, alterations, deletions and cuttings should be initialed with rubber stamp (or seal) by the same person, who signs the tender document. Failing so, the tender may be rejected.

5. The tenders (also call bids) not submitted in prescribed format or in the prescribed manner, shall be rejected at the risk and responsibility of the bidder.

6. All the rates and amounts shall be quoted in Indian Rupees (IR) and shall be presumed to be in Indian Rupees unless specifically permitted to be quoted otherwise in these tender documents.

7. The rates quoted shall be valid for a period of one year counted from last date of receipt of bids/tenders.

8. Each page of this tender document should be signed by the bidder with seal in token of having read, understood and accepted the terms and conditions of this contract.

9. For the Companies and Corporation making the bids, the tender document shall be signed by the Managing Director. If it is otherwise, the authority to sign the tender papers on behalf of the Company/Corporation shall be enclosed. In case of partnership Firm, it shall be signed by the active partner. In case of a Proprietary Firm, the tender document shall be signed by the proprietor.

10. "Legal Status" of a bidder shall mean either proprietorship or partnership of private/Public limited Company or otherwise (to be specified) as the case may be.

11. All the documents and papers submitted with the bid should either be in English or in Oriya and shall be authenticated under the seal and signature of the bidder unless specified otherwise in this tender document. If the documents are in any other language, a true translation in English, duly certified by an independent person of repute, shall be submitted.
12. All the promotional and technical literature of the products intended to be supplied should be submitted for proper appreciation of the bid, whether or not specifically call for in this tender document. This literature should also be in English.

13. Submission of more than one competitive bid by the same firm in response to the tender call notice is prohibited. All such bids, except one, will be cancelled at the discretion of the authority calling the bids. A bidder may, however, offer in his bid more than one product of the same Original Equipment Manufacturer (OEM) if in his opinion, all such products meet the prescribed technical specification s. In that case, he should submit “Technical Bid” of all such products separately but in the same prescribed format, in the same sealed single cover. Separate “Financial Bids” should also be submitted similarly in the same sealed single cover (see below for the meaning of sealed cover).

NOTE
i) A bidder can not bid the same item for more than one OEM firm.

14. The bidder may use separate piece of paper, where the space provided in the formats in this tender document for submission of information, is not sufficient. The information in the separate sheet of paper shall be prescribed format and each page should be serial numbered and duly authenticated.

15. All the information submitted or supplied in the formats in this tender document shall be presumed to be true to the best of knowledge of the bidder.

16. No firm/Company without valid Value GST Registration number and PAN shall be eligible for submitting bids. Firms blacklisted shall also not be eligible for participating in the bid.

17. Copy of Valid Registration Certificate issued by competent Authorities under the GST Act and copy of PAN shall be enclosed to the Tender document. In no case other certificates issued by authorities in lieu of such certificates shall be accepted.

18. Copies of income Tax return and Annual VAT and CST returns of previous year along with copies of Audited Balance Sheets, P/L a/c and Trading a/c of previous year where ever applicable need also be enclosed to the Tender document by the Original Equipment Manufacturer / Authorised Agent of OEM.

19. At the time of opening of Tender/Financial bid the bidder will have to satisfy the competent authority that he is not only authorised as per his Registration Certificates to deal in the tendered item but he has also a running business in such items and he has the ability to supply the tendered quantity in prescribed time limit and to meet the warrantee conditions of the product.

20. The Bid Security/ Earnest Money Deposit (EMD) shall either be in the form of Demand Draft/Banker's Cheque of a scheduled Bank payable at Cuttack or by pledging of NSC/FDR/Postal Saving Pass Book all in favour of D.D.O, Directorate General of Fire Service & Home Guards & Civil Defence, Odisha, Cuttack. EMD shall be returned immediately after the rejection of a Bid. The DD/Banker's
Cheque/NSC/FDR/Postal Saving Pass Book etc. shall be returned in original with or without reverse endorsement as required for the refund. EMD of the successful bidders shall be retained till the supplied materials/articles are successfully delivered as ordered or adjusted against performance security. After that it shall be returned in the same manner as in the case of unsuccessful bidders.

21. This tender document has prescribed a two bid format for submitting the offers. It contains the “TECHNICAL” and ‘FINANCIAL’ bid formats. Both the bids shall be submitted in separate sealed cover identified as ‘TECHNICAL’ or ‘FINANCIAL’ bid after detaching their formats from this tender document. Both the sealed covers, the remaining part of this tender document and all the other papers/documents should be put inside a bigger sealed cover and shall be delivered as per conditions published in the tender call notice. All the sealed covers shall have boldly written with the name of the supplier/bidder, the tender call notice number and the last date for submission.

22. The tenders or the bids can be sent by Regd. Post or courier as well. However, the authorities shall not be responsible for the postal and other delays in receipt of bids. The Tenders/ Bids can also be dropped in the sealed “Tender Box” kept in the office of the Tender Calling Authority.

23. If the last date for submission of the tender/bid turns out to be a holiday, it will automatically be extended to next working day.

24. The tender calling authority shall make arrangements in his office for issuing a written acknowledgement, under proper seal and signature of the filled in tenders, provided those are submitted on or before the due date. The acknowledgement shall be issued even if the tenders are required to be dropped in a sealed box. The acknowledgement receipt shall mention, among others, the tender call notice number.

25. A bid submitted can not be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders. They will not participate in the discussions. Clarifications sought, if any, may be provided by them.

26. All or any of the tenders (or bid) submitted can be rejected without assigning any reason thereof. No claim, whatsoever, shall be admissible for; the alleged loss/damage suffered by the bidders on account of such rejections.

27. The sealed Tenders and Technical Bids shall be opened by the Technical Committee in 1st stage. The documents like EMDs, GST Regd. No. etc shall be verified to ensure that the bidders have been found to have fulfilled all the prescribed criteria and conditions of this tender document other than technical specifications of the products.

28. All the products, failing to fulfill the prescribed technical specifications, will be rejected. Decision of the Technical Committee in this respect shall be final and binding. A bidder can improve the technical specifications of the product offered...
before the opening of 'Financial Bid'. Decision of the Technical Committee on, whether or not, the revised specification is an improvement, shall be final. Improvement in the technical specifications offered as above, may be accepted or rejected at the discretion of the Tender Calling Authority.

29. Not withstanding an offered product meeting the prescribed technical specifications, it may be rejected, if it has not been tried and tested or used in Orissa Fire Service with satisfaction. It may also be rejected if the bidder fails to successful demonstration before the Technical Committee.

30. 'Financial Bids' shall be opened only in those cases, where one or more of the offered products have fulfilled the prescribed technical specifications. No preference or extra payment shall be admissible for the superior technical specifications or quality of the like if any. All the financial documents like Registration Certificate issued under GST Act and IT Acts, IT, S.T returns, Audit Balance Sheet, Trading Account and P/L Account shall be verified at the time of opening of Financial Bids.

31. All the prices quoted shall be FOR Cuttack, Odisha. This means that the prices shall include the cost of delivery at Cuttack.

32. The authorities are not bound to accept the lowest Financial Bid.

33. The order for supply may be placed on the successful bidders but the technical specifications (or quality requirements) for the purpose of supply shall be those, which were offered and accepted by the Technical Committee and not those specified in the tender document.

34. On delivery, the supplies or products shall be inspected to verify the quantity and to see whether those are in accordance with the technical specifications (or quality requirements) for which the order was placed. If it turns out to be otherwise the acceptance of delivery shall be refused at the risk and responsibility of the supplier. Further, the articles found damaged shall not be counted as accepted until repaired or replaced to the satisfaction of the authority.

35. Short deliveries may not be accepted. All the items ordered must be supplied in full for claiming even the part payment.

36. All the transit risks shall be the responsibility of the supplier.

37. User manuals of the product shall be supplied without being asked for or even if it is not mentioned in the supply order. Moreover, it should be in English.

38. Failure to supply the order in full within the stipulated period or supply of substandard goods may lead to forfeiture of EMD and blacklisting of the suppliers. If at all the delivery is allowed to be accepted after the due date, Liquidated Damages (LD) @ 0.5% of the total amount of order (excluding taxes) per week or part thereof shall be charged from the bidder, however, that the L.D. shall not exceed 5% of the amount of order.
39. The supplier shall submit an undertaking given by him or the OEM committing to supply spare parts for the maintenance of the supplied items for a period at least 18 months from the date of supply.

40. The supplier shall give a "Performance Warranty" for a minimum period mentioned in the special condition or one year of the contract. 5% of the amount of the order (excluding taxes) as mentioned in the special conditions of the contract shall be deposited in shape of FDR/Irrevocable Bank Guarantee duly pledged in favour of Tender Calling Authority and shall be returned after the performance warranty period is over. The said amount may be forfeited partially or fully for failure to fulfill the terms and condition of supply and post sales commitment/obligations. The Bank Guarantee should be enforceable and payable at Cuttack. The Performance Security should remain valid for a period of 60 days beyond the date of completion of the obligation of the supplier including warranty obligations.

41. The bidder must submit in a separate paper mentioning "complied or not complied" against each column of the Tender Specification given in the Tender document.

42. Terms and conditions of this tender document can not be negotiated for variation without obtaining the prior approval of the Govt.

43. All the clarifications sought from the bidders/suppliers on technical specifications of the products or otherwise shall be promptly submitted in a transparent and unambiguous manner.

44. Entire tender document duly filled in shall be treated as part or the contract agreement for supplies in case of the successful bidders.

45. All the disputes shall be subject to jurisdiction of Civil Courts situated at Cuttack.

46. The bidder shall submit all required documents along with tender. Under no circumstances a bidder would be allowed to make any addition/ alteration if any, related to tender or to submit required documents after receipt of the tender by the tender calling authority.

Seal & Signature of the Bidder

I.G of Police, Fire Service
Home Guards & Civil Defence,
Odisha, Cuttack.
# TECHNICAL BID

<table>
<thead>
<tr>
<th>SL.NO.</th>
<th>NAME OF THE ITEMS.</th>
<th>WHETHER OFFERED PRODUCTS FULFILLS THE DETAILED TECHNICAL SPECIFICATIONS KINDLY ANSWER YES OR NO ONLY.</th>
<th>OFFERED SPECIFICATIONS AND DETAILS OF VARIATIONS IF ANY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Signature & Seal of the Bidder.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

FINANCIAL BID


NAME OF THE ITEMS…………………… PER UNIT IN INDIAN RUPEES

1. Price including all the duties & levies : 

2. Basic Unit Price : 

3. IGST @ - % - : 

4. CGST @ - % - : 

5. OGST @ - % - : 

6. Other Charges (To be specified) 

7. Total Unit price of the Item : 

8. Total amount payable for supply of entire quantity of the item mentioned in the tender document.

9. Name of the Original Manufacturers and The brand name or trademark of the item 

Signature & Seal of the Bidder.
GENERAL BID FORM

1. Name, Full Address, Fax No.
   Telephone No. & E-Mail of the firm:

2. Legal status of the firm:

3. Items for which you have submitted the Bid:

4. For which of the items above you are the ORIGINAL EQUIPMENT MANUFACTURER (OEM):

5. Give the location and Address of your Factory:

6. For the items listed at (3) above and where you have submitted the bid but you are not the O.E.M. indicate against each the names of the O.E.M:

7. Kindly confirm by writing ‘yes’ or ‘no’ only that you have been authorized by the respective O.E.Ms either as dealer or as sale, supply and servicing agent in respect of the items you are not the (OEM):

8. Which of the items, you have submitted the bids for, will be fully or substantially imported. Indicate the country to be imported from:

9. Have you enclosed the EMD? If yes, mention the amount and its identifying details:

10. Have you enclosed all the documents and papers called for in this tender document? Kindly enclose a list(use a separate sheet of paper):

11. If the answer to (10) above is ‘No’ which is the documents/document have not been enclosed.(Kindly enclose a list of such documents/papers). Use a separate sheet of paper if necessary:

12. Do you have a post sales servicing, center in Odisha? If yes, give its name, full address, Fax and Telephone numbers:

Seal & Signature of the Bidder

I.G of Police, Fire Service, Home Guards & Civil Defence, Odisha, Cuttack.
SPECIAL CONDITION OF THE CONTRACT.

TENDER DOCUMENT NO. (II)

1. The Special Conditions given here shall prevail over the General Conditions.

2. **Bid Security:** - The tender document shall accompany with Earnest Money Deposit (EMD) at the rate quoted at Col-5, Para-3 without which tender shall be rejected. The EMD deposited instrument should be available outside the sealed covers of “Technical” and “Financial” Bid. (EMDs available in the Technical Bid also be accepted). However the MSEs registered in Odisha with respective DICs, Khadi Village, Cottage and Handicraft Industries, OSIC and NSIC shall pay 25% of the prescribed security deposit while participating in tender.

3. **Quantity:** - Sealed Bids in this tender document have been invited for the supply of the items listed below. The approximate quantity required has been mentioned against each. The detailed technical specifications of each item are available in the Annexure-‘A’ to “Special Conditions of the contract” identified against each.

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Name of the item</th>
<th>Approximate Quantity</th>
<th>Technical Specification</th>
<th>E.M.D Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clean Agent Fire Extinguisher</td>
<td>10 Nos</td>
<td>Technical Specification as Annexure-A</td>
<td>`2,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Aluminum Short Branch Pipe</td>
<td>74 Nos</td>
<td>-- do --</td>
<td>`1,400/-</td>
</tr>
<tr>
<td>3</td>
<td>Concrete Cutter</td>
<td>10 Nos</td>
<td>-- do --</td>
<td>`20,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Mechanical Saw (24 Inch)</td>
<td>300 Nos</td>
<td>-- do --</td>
<td>`4,80,000/-</td>
</tr>
<tr>
<td>5</td>
<td>Single Nozzle B.A Compressor</td>
<td>05 Nos</td>
<td>-- do --</td>
<td>`30,000/-</td>
</tr>
<tr>
<td>6</td>
<td>Generator Set</td>
<td>35 Nos</td>
<td>-- do --</td>
<td>`80,500/-</td>
</tr>
<tr>
<td>7</td>
<td>Victim Location Camera</td>
<td>01 No.</td>
<td>-- do --</td>
<td>`4,000/-</td>
</tr>
<tr>
<td>8</td>
<td>Search Light</td>
<td>155 Nos</td>
<td>-- do --</td>
<td>`15,500/-</td>
</tr>
<tr>
<td>9</td>
<td>Tarpaulin</td>
<td>110 Nos</td>
<td>-- do --</td>
<td>`6,600/-</td>
</tr>
<tr>
<td>10</td>
<td>Gum Boot with Steel Toe (Black Colour)</td>
<td>100 Prs</td>
<td>-- do --</td>
<td>`1,000/-</td>
</tr>
</tbody>
</table>
4. The quantities mentioned above are subject to variations. The rates quoted per Unit shall continue to be valid even if the quantities of items mentioned above are varied. Further, the bidder should certify that the rates quoted by it or any item listed above shall remain valid subject to variation in any Govt. Tax Structure on the same (i.e. base price of the item quoted shall remain valid irrespective of variation in the Tax Structure) for a period of one year from the date of finalization of the rate by the Purchase Committee.

5. It shall not be necessary to bid for all the items above.

6. The bidder shall submit along with this tender document a list of names, complete address, Telephone/FAX number of the customers to whom, the item, for which the bid has been submitted, have been supplied and installed in last three year, if any. A clear, unambiguous statement shall be made if an item has not been sold anywhere in India so far.

7. The supplies shall be delivered at Cuttack.

8. Working of the equipment shall also be demonstrated and the expenditure incurred thereof shall be borne by the supplier.

9. The supplier shall train at their cost our employees.

10. **Performance Security**: - The successful bidder shall have to enter into an agreement with the Tender Calling Authority for successful completion of supply/ installation of the tendered items after proper inspection within the stipulated period and also for performance warrantee of the items from the date of supply/ installation up to a period of one year. In this regard the selected firm shall have to deposit 5% of the cost of stores excluding taxes as security deposit called as Performance Security in shape of FDR/irrevocable Bank Guarantee duly pledged to the Tender Calling Authority which will be returned back after performance warrantee period is over. The Performance Security should remain valid for a period of 60 days beyond the date of completion of the obligation of the supplier including warranty obligations.

11. All the supplies made shall be subject to a minimum period of one year warrantee for all items.

12. Other things being equal, preference shall be given to a bidder, who has opened his sale and service center in Odisha.

13. If an equipment or supply goes out of order within the warranty period and the supplier is informed above it, It must be attended to within 48 hours counted from the time the service call is placed.

14. **Payment**: - No advance shall be paid. 100% of the payment will be made on delivery of supplies after successful installation and demonstration.
15. The firms located outside the State of Odisha should include their transportation charges with the basic price.

16. Entry Taxes, if any should be clearly indicated in the tender. The amount if paid by the party should be supported with documentary evidence, failing which the said amount shall be deposited by way of Treasury challan.

17. The bidder must attend the Technical Committee with samples for evaluation/ demonstration purpose. Without sample the offer will be not taken into consideration.

18. Before under taking the final contract the successful tenders will have to enter into an agreement with the department at their own cost in Govt. stamp paper.

19. **Sample:** - The tender shall accompany samples of the items quoted. No rate shall be quoted without furnishing the sample. In case the rates are quoted without samples, the tender is liable for rejection. The parcel containing samples should be freight paid. A label with seal and the details of manufacturing unit/ company with trademark of the articles so tendered, if any should be affixed to the sample. The label should contain a reference to the serial number of the articles quoted/ indicated in the tender. In respect of all ISI products mentioned in the tender the relevant ISI mark shall be printed on the sample. For each item not more than 2 (two) variety of samples shall be submitted by a vendor.

20. As regards ISI marked, the attested copies relating to valid Registration of IS number of the item, if obtained from Indian Standard Bureau, New Delhi are to be enclosed.

Seal & Signature of the Bidder

I.G of Police, Fire Service,
Home Guards & Civil Defence,
Odisha, Cuttack.

1. CLEAN AGENT FIRE EXTINGUISHER.

<table>
<thead>
<tr>
<th>Generic</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Stored Pressure</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Clean Agent</td>
</tr>
<tr>
<td>Expellant Medium</td>
<td>N2 Based (Stored Pressure)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Constructions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Agents Based Extinguishing Media</td>
<td>HFC</td>
</tr>
<tr>
<td>Clean Agents Fire Extinguisher Capacity (Kg)</td>
<td>9</td>
</tr>
<tr>
<td>Rechargeable</td>
<td>Required</td>
</tr>
<tr>
<td>Color Coding</td>
<td>Red</td>
</tr>
<tr>
<td>Fire Extinguisher Suitable for Class -A, B, C &amp; D Fire</td>
<td>Required</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature (°C)</td>
<td>-20°C to + 55°C</td>
</tr>
<tr>
<td>Test pressure/ Burst Pressure Extinguisher except CO2</td>
<td>for Clean agent fire extinguisher Test Pressure &gt;=30 Bar, Burst Pressure &gt;=55 Bar</td>
</tr>
<tr>
<td>Test pressure/Burst pressure for CO2 type Extinguisher (write NA if not applicable)</td>
<td>35 BAR</td>
</tr>
<tr>
<td>Discharge Range for Extinguisher (Meters)</td>
<td>&gt;=2 for Class-A</td>
</tr>
<tr>
<td>Effective Discharge Time for Fire Extinguisher, Min (Seconds)</td>
<td>8.5 S</td>
</tr>
<tr>
<td>Fire Rating for Class -A Fire Extinguisher</td>
<td>1A</td>
</tr>
<tr>
<td>Fire Rating for Class -B Fire Extinguisher</td>
<td>8B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIS Marking</td>
<td>Required</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Authorization</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate- Authorization from OEM</td>
<td>Required to be attached in case of authorized agent/ firm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Note</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Before placing Supply Order the firm should be able to supply the equipment before the Committee/ buyer for technical evaluation of the products for technical evaluation.</td>
<td>Required</td>
</tr>
</tbody>
</table>
2. ALUMINUM SHORT BRANCH PIPE.

**Generic**

Conformity to Indian Standard for fire hose delivery couplings | IS:903 latest
---|---

**Constructional**

| Material of Couplings | Aluminium alloys |
| SIZE (mm) | 63 |
| Nozzle Size (mm) | 12/14 mm |

**Packaging**

<table>
<thead>
<tr>
<th>Packing (consist of male half coupling and female half coupling assembled with washer) (as Accounting Unit)(Nos)</th>
<th>Required</th>
</tr>
</thead>
</table>

**Certification**

| ISI MARKED | Required |
| CM/L No | --- |

| Availability of Type Test Report covering complete test parameters as per IS:903 latest from any ILAC/NABL accredited/ Central Gov. LAB. | Required |

**Authorization**

| Certificate- Authorization from OEM | Required to be attached in case of authorized agent |

**Note**

Before placing Supply Order the firm should able to demonstrate the equipment/ item before the Committee/ buyer within the scheduled date for technical evaluation of the products. | Required |

3. CONCRETE CUTTER.

**Requirement:**

- Ring type concrete cutter attached with 16 inch dia diamond blade for optimum depth cutting of concrete/RCC as per the following specification:

**Engine:**

Air Cooled 2 stroke petrol Engine, Pull cord Start with Choke arrangement. The engine should fuel efficient, integrated with advanced carburetor to reduce emissions in comparison to power.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

- Engine Displacement: 81 cc or above.
- Power developed at rated rpm: 4.0 Kw. or more.
- Minimum rated RPM: 8500 or more.
- Fuel tank capacity: 1 (one) ltr. (Min.)
- Dry weight of power cutter with blade: 15 Kg (max.)

**Cutting Equipment:**
Type: Ring type cutting blade
1. It should be capable of running 16” (406 mm) dia. ring type diamond blade for concrete cutting.
2. Minimum depth of cutting should be 140 mm.
3. Blade Guard should be having the wheels on it for smooth operations.
4. Rollers should be adjustable for ensuring the proper installation of ring in the machine.
5. A suitable arrangement should be provided with the equipment to spray water along with a flow control valve to adjust the pressure of water on the Cutting Ring for heat dissemination and to reduce frequent clogging.
6. Equivalent Noise level shall not be more than 120dB (A). Equivalent vibration level at front and rear handle should not be more than 6.0 m/s².
7. Quality test certificate in accordance to ISO/EC or any National/international standard confirming to specification must be attached with the bid.

**Safety Kit:**
- Hand Gloves, Hearing Protector, Nose Muff and Eye Protector.

**Accessories to be supplied with machine:**
1. Three nos. Ring type blade compatible with the above machine (406 mm dia.)
2. 5 Ltr. fuel Container.
3. 5 Nos. of spare air filter.
4. 1 No. Water tank with 15 ltr (min.) Capacity.

**Authorization**
- Certificate- Authorization from OEM
  Required to be attached in case of authorized agent

**Note**
Before placing Supply Order the firm should able to demonstrate the equipment/ item before the Committee/ buyer within the scheduled date for technical evaluation of the products.

**4. MECHANICAL SAW (24 INCH).**

**Standards**
- Conforming standards for the item: EN/DIN/US/Equivalent standards

**Performance Parameters**
- Mechanical Petrol Driven Chain Saw needs to be designed for cutting of wood and trimming of trees
  Required
during any disasters and it must be manufactured by reputed firm.

<table>
<thead>
<tr>
<th><strong>Type of Engine</strong></th>
<th>2- Stroke Petrol Driven, Air Cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Displacement in CC</strong></td>
<td>Minimum 75 CC</td>
</tr>
<tr>
<td><strong>Output Power</strong></td>
<td>Minimum 6.3 Hp</td>
</tr>
<tr>
<td><strong>RPM</strong></td>
<td>13500 maximum</td>
</tr>
<tr>
<td><strong>Type of Blade</strong></td>
<td>Steel Alloy</td>
</tr>
<tr>
<td><strong>Full blade guard with adjustable depth limiter in inches</strong></td>
<td>0-8&quot; (minimum 1 cm adjustment)</td>
</tr>
<tr>
<td><strong>Length of guide bar</strong></td>
<td>24 inch (One piece construction)</td>
</tr>
<tr>
<td><strong>Type of Fuel used</strong></td>
<td>Petrol</td>
</tr>
<tr>
<td><strong>Fuel tank capacity (in litres)</strong></td>
<td>0.70 L and above</td>
</tr>
<tr>
<td><strong>Ignition system should be electronic with preferably one button start up</strong></td>
<td>Required</td>
</tr>
<tr>
<td><strong>Weight of chain saw in kg</strong></td>
<td>Not more than 8 Kg.</td>
</tr>
<tr>
<td><strong>Cutting chain detail</strong></td>
<td>Steel Alloy Chain Saw</td>
</tr>
<tr>
<td><strong>Fully automatic and adjustable chain lubrication system</strong></td>
<td>Required</td>
</tr>
<tr>
<td><strong>Automatic Chain Brake System for quick stoppage when required</strong></td>
<td>Required</td>
</tr>
<tr>
<td><strong>Availability of adjusting chain tension</strong></td>
<td>Required</td>
</tr>
<tr>
<td><strong>Technical manual, servicing details and instruction manual to be provided</strong></td>
<td>Required</td>
</tr>
<tr>
<td><strong>Warranty in years</strong></td>
<td>1 Year</td>
</tr>
<tr>
<td><strong>Air Filtration system for Petrol Engine</strong></td>
<td>Required</td>
</tr>
</tbody>
</table>

**Additional Parameters**

- **Extra Chain with Guide Bar**: 2 Nos each
- **Standard Tool Kit for maintenance and trouble shooting to be provided with Machine**: Required
- **Operations Manual, Maintenance Manual and service details supplied with machine**: Required
- **Protective carry case supplied with the machine**: Required
- **Copies of test certificates and certifications as applicable to be furnished to buyer on demand at time of supplies**: Required
- **Demonstration of equipment and training to be provided after completing supplies**: Required
- **Availability of test reports from Central Govt./NABL/ILAC accredited Lab covering all the parameters**: Required
5. **SINGLE NOZZLE B.A COMPRESSOR.**

- The Compressor should be Portable, High pressure air cooled Breathing Apparatus Compressor used for refilling/ re-charging of air cylinder for SCBA Sets, SCUBA & water mist system at a pressure of 200 and 300 bar.
- The Compressor will be a multi stage unit with free air delivery of 100LPM for standard filling norm 0 to 200/ 300 bar. The Compressor shall be an enclosed type with steel frame powder coated having carrying handles.
- The Compressor should be provided with air intake filter, inter coolers, after cool and pressure safety valve. Details specification is as follows:
  - Free Air Delivery : 100 liters per minute (for standard filling norm)
  - Operating Pressure : 300 and 200 Bar
    (Compressor should be provided with special adopters for filling of 200 bar as well as 300 bar cylinders)
  - No. of Stages (Compressor) : Three or Four stages.
  - Drive : V. Belt
  - Prime Mover : 4 Stroke Petrol Engine, minimum 5.5 HP
  - Type of Lubrication : Splash Type
  - Filling Connection : One meter long hose with filling adapter for 300 Bar (DIN type) with special provision/adapter so that same can be used to refill 200 Bar Cylinders (DIN & INT) also. There may be a provision to display the cartridge status and the period of service.
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

i) **Compressor System:**
- The Compressor will be a Multi Stage Air-cooled High Pressure Compressor with inter cooler between stages and after-cooler after final stage, safety valve etc.
- The air should be sucked in via a suction filter to remove dust particles from air and then be compressed in the compressor.
- After compression the moisture should be separated and air should be filtered in the main filter cartridge to remove all impurities to make it suitable for breathing.

ii) **Tool Kit/ Oil & Instructions:**
- Necessary tool kit for compressor along with first fill of Oil and Operating manual should be supplied with the compressor.

iii) **Approvals:**
- The compressor shall comply the norms codified in IS-15879/ 2009 or equivalent international standard.
- Air quality should be as per EN 12021. Copies of air quality test report shall be submitted along with the Technical Bid.

iv) **Warranty:**
- Compressor should be supplied with warranty against manufacturing defects for 24 months from date of commissioning.

v) **Commissioning Support:**
- The supplier should provide free commissioning at site and should train the operators on use and operation of compressor, trouble shooting and normal maintenance of the compressor.
- The supplier will be responsible for free checkups in every six month intervals of the machine during the warranty period.
- In post warranty period, the supplier shall have to provide after sale service of all types and maintenance of the machine at Bhubaneswar/ Cuttack after execution of an annual maintenance contract with the Department.
- Separate rate will be quoted by the supplier for Annual Maintenance Contract.
- The supplier shall have to submit a test certificate from the competent authority/authorized agency about the functioning and performance of the compressor.

vi) **Past Performance:**
- The supplier should have supplied at least 50 high pressure breathing air compressors in Asia of the same size or bigger and copies of Purchase Orders from the same should be submitted along with the bid without which the bid will be rejected.

**Authorization**

| Certificate- Authorization from OEM | Required to be attached in case of authorized agent |

Page 20 of 24
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

Note

| Before placing Supply Order the firm should able to demonstrate the equipment/ item before the Committee/ buyer within the scheduled date for technical evaluation of the products. | Required |

6. GENERATOR SET (7 KVA).

Technical Specification.

i). Max Power Output : - 7000 VA

ii). Rated Power Output at 230 v/ 50 Hz : - 5500 VA

iii). Engine Type : - 4 Stroke, Single Cylinder, Air Cooled

iv). Engine Throttle : - Electronic Governor (Load Sensitive)

v). Inverter Technology : - Pure Sine Wave Output

vi). Engine Control Panel Display : - Monitor Equipped display Engine RPM, Generator Load (in VA), No. of Hours Run (Cumulative) Battery Voltage

vii). Starting : - Electric/ Recoil Start

viii). Fuel Type : - Unleaded Petrol

ix). Fuel System : - Electronically Controlled Duel Injection system

x). Fuel Tank Capacity (Ltr.) : - 19 to 20 Ltrs

xi). Continuous Operating Hours : - 12 at 50% Load / 6.5 at rated load

xii). Oil Alert System : - Yes

xiii). Dry Weight (Kg) : - 123.2 Kg with battery

xiv). Dimensions (L×W×H mm) : - 1261 × 680 × 722 approx.

xv). Air Cleaner : - Dual

xvi). Exhaust : - Large Capacity Muffler with 3-way catalyzer

xvii). Warranty : - 1 Year from date of supply.

7. VICTIM LOCATION CAMERA.

This victim location system is electronic equipment for location and rescue of trapped victims. With this equipment, light and easy to carry, it is possible to explore the ruins, collapsed structure caused by earthquake, explosions, landslides, construction cave-ins or mine disasters and to communicate with victims via the microphone incorporated in the camera. The system should comprise of telescopic boom with a camera, able to turn through 360º fixed to the end and connected to a portable control box screen.
**Capabilities required:**

i) The system's primary configuration should be based on a video camera built at one end of a telescopic boom which can reach out into depths and void spaces up to a telescopically and shall have 4 sections giving a total length of 2 m and shall be fitted with minimum 5 m of cable. Provision should also be made to manually lock the telescopic boom at the distance required.

ii) The video camera shall have a colour display with a sensitivity of 0.5 lux and shall have 6 white LED lights which will allow visibility in pitch black conditions to a distance of 4 m. The camera head shall be able to rotate 360° without stop (infinitely). A speaker and a microphone shall be built into the body of the video camera, which will allow communication with the trapped person through a head-set.

iii) The system shall have a control box for the operator which will be fitted with a minimum 7 inch, LCD colour screen, TFT active matrix, and shall be stored in a leather protective case with adjustable shoulder strap.

iv) The system shall also be provided with mono headphones fitted with dynamic microphone with anti-disconnection plug which will allow the operator to communicate with the victims via the speaker and microphone buildt in the video camera. The cable length shall be minimum 1.5 Mtrs.

v) There should be provision for attachment of an additional headset for use by a third person like an interpreter or a doctor etc.

vi) The system design shall be such that it would not require more than 2 persons to operate one operator to handle the probe, and the second for the control box of the probe to see and search through the screen, communicate with victims.

vii) The system shall have an inbuilt battery 12 V. 4.5 AH battery, Ni-MH technology with an intelligent charger. The battery shall allow minimum 4.5 hours of continuous usage of the system and should be able to be fully charged in 4 hours. The system shall be equipped with an audible alarm which will warn the operator when the battery is low. A suitable Cigar-lighter adapter shall be provided to enable the charge the battery in a vehicle if necessary.

viii) An additional water proof camera capable of being used at a depth of 60 Mtrs with 60 Mtrs cable mounted on reel shall be provided. The camera shall be IP 67 compliant and shall give colour display. The camera should rotate 360 deg. And shall have integrated LED lights. Speaker and microphone shall be integrated in the body of the camera.

The system shall be capable of being operated in temperature range- 10° to +60° C.

**Authorization**

| Certificate- Authorization from OEM | Required to be attached in case of authorized agent |
Note
Before placing Supply Order the firm should be able to demonstrate the equipment/item before the Committee/buyer within the scheduled date for technical evaluation of the products.

8. **SEARCH LIGHT.**

LED search light with rechargeable 10 watt LED power consumption.

**Specification:**
- Hi-Beam Rechargeable hand held search light Led - 10watt High Power LED.
- Body material - ABS water proof
- Light Range - 800-1000 Mtrs.
- Light spot - 400-500 Mtrs.
- Power adopter - AC-110-240 volt & 12V DC car/Auto adaptor
- Illuminating time - more than 05 hours
- Weight - Not more than 1.25 KG
- Battery service life - Not less than 300 Cycles
- Front Glass - Toughened
- Should be equipped with shoulder strap
- Must be equipped with Lithium ION battery bank having capacity of minimum 3.7v 5800 mAH pack.

**Authorization**

<table>
<thead>
<tr>
<th>Certificate - Authorization from OEM</th>
<th>Required to be attached in case of authorized agent</th>
</tr>
</thead>
</table>

Note
Before placing Supply Order the firm should be able to demonstrate the equipment/item before the Committee/buyer within the scheduled date for technical evaluation of the products.

9. **TARPAULIN.**

**Type and Specification**

<table>
<thead>
<tr>
<th>Type of Tarpaulin</th>
<th>Common proofed (Confirming to IS: 2089: 1977: Latest)</th>
</tr>
</thead>
</table>

**Colour**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Olive green for special proofed tarpaulins</th>
</tr>
</thead>
</table>

**Basic Fabric**

<table>
<thead>
<tr>
<th>Basic Material</th>
<th>Cotton Duck 610gms/mtr square conforming to variety No-2 of IS-1422-1983: Latest</th>
</tr>
</thead>
</table>

**Fabrication And Proofing**

<table>
<thead>
<tr>
<th>Fabrication and proofing</th>
<th>Fabrication and common water proofing as per IS: 2089, 1977: latest for common water proof tarpaulins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewing thread</td>
<td>As per clause No. 4.1.1.2 of IS:2089-1977:latest, 165 Tex.x 3 linen for common water proof tarpaulins</td>
</tr>
<tr>
<td>Seam joint</td>
<td>Flat</td>
</tr>
</tbody>
</table>
DIRECTORATE GENERAL F.S., H.Gs & C.D., ODISHA, CUTTACK.

<table>
<thead>
<tr>
<th>Size</th>
<th>5 Mtr × 6 Mtr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyelets</td>
<td></td>
</tr>
<tr>
<td>Size of eyelets</td>
<td>size 30 of IS 4084</td>
</tr>
<tr>
<td>Material of Eyelets</td>
<td>Aluminum passivated</td>
</tr>
<tr>
<td>Number of eyelets (Nos)</td>
<td>5 Nos in each side</td>
</tr>
<tr>
<td>Lashing Ropes</td>
<td></td>
</tr>
<tr>
<td>Lashing ropes</td>
<td>Indian sisal (Aloe fibre) 3 strands hawser laid to specification No.:IS:1321(Part-1)/2003; latest (untarred variety) for general construction and sizes</td>
</tr>
<tr>
<td>Length of Lashing Ropes (min)</td>
<td>1.5 meter</td>
</tr>
<tr>
<td>Diameter of lashing rope</td>
<td>12 millimeter</td>
</tr>
<tr>
<td>Number of Lashing Ropes (Nos)</td>
<td>4</td>
</tr>
<tr>
<td>Authorization</td>
<td>Required to be attached in case of authorized agent</td>
</tr>
</tbody>
</table>

**Note**

Before placing Supply Order the firm should be able to demonstrate the equipment/ item before the Committee/ buyer within the scheduled date for technical evaluation of the products.

**10. GUM BOOT WITH STEEL TOE (BLACK COLOUR).**

- FIRE FIGHTER BOOTS will be made of flame Retardant Rubber Boots and will be fitted with Steel Toe Cap and Steel Mid Sole (CSA Class-1 certified). Boots will be Electric Shock Resistant (CSA Omega) and will have a heat and oil resistant anti-slip sole.
- The boots will have heavy canvas lining with sponge cushion inside. The boots will provide ankle protection. The boots will be water proof & it will have strong carrying loops arrangement on the top for ease donning.
- The boots will be CE marked and Certified to EN-15090-2012 standards. Copy of certificate to be submitted with offer.

**Authorization**

| Certificate- Authorization from OEM | Required to be attached in case of authorized agent |

**Note**

Before placing Supply Order the firm should be able to demonstrate the equipment/ item before the Committee/ buyer within the scheduled date for technical evaluation of the products.

-------- o --------