



ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Govt. of ODISHA Undertaking)
Registered Office: Janpath, Bhubaneswar – 751022
CIN: U40102OR2004SGC007553

TENDER NOTICE No. TW-IT/OT/09/2016-17 DATE: 27-12-2016

Chief General Manager (IT), OPTCL, 3rdFloor, OPTCL TOWER, Janpath, Bhubaneswar on behalf of OPTCL invites bids in e-tender mode only from reputed eligible bidders for Automatic fire fighting equipment at Server, Network, UPS , IT Store rooms of OPTCL, GRIDCO DC & SLDC DC.

conforming to the terms and conditions mentioned as follows:

The interested eligible bidders may visit our website www.optcl.co.in on or after 27/12/2016 (14:00 Hrs) to go through / download the scope of supply and terms and conditions in detail. The techno-commercial bid shall be due for submission on dated 17/01/2017 (15:30 Hrs).

The interested bidders would be required to enrol themselves on the tender portal www.tenderwizard.com/OPTCL. Complete set of bidding documents are available at www.tenderwizard.com/OPTCL from 27/12/2016 (14:00Hrs) up to 17/01/2017(12:00 Hrs).

Interested contractors may visit OPTCL's official web site <http://www.optcl.co.in> and www.tenderwizard.com/OPTCL for detail specification.

N.B: All subsequent addendums/corrigendum to the tender shall be hosted in the OPTCL's official web site <http://www.optcl.co.in> and www.tenderwizard.com/OPTCL only.

Chief General Manager (IT)

CONTENTS

Sl. No.	Chapter		Page No	
A	SECTION - I	1	General Information to the Bidders	3
		2	Submission of Bids	3
		3	Bidding Schedule	4
		4	Scope of Work, Schedule of Fire fighting equipment, Work Deliverables	6
		5	Qualification of Bidder (Out Right Rejection)	10
B	SECTION - II	1	General Instructions to the Bidders	11
C	SECTION - III		General Conditions of the Contract the Bidders	11
D	SECTION - IV	1	Schedule of Technical Requirements and detailed technical specifications	33

A. SECTION-I

1. GENERAL INFORMATION TO THE BIDDERS

- I. **Name of the Project:** Automatic fire fighting equipment at Server, Network, UPS rooms and IT Store of OPTCL, GRIDCO & SLDC.
- II. The prospective bidders are advised to register their user ID, Password, company ID from website www.tenderwizard.com/OPTCL by clicking on hyper link "Register Me".

2. Submission of Bids

- I. The bidder shall submit the bid in Electronic Mode only i.e. www.tenderwizard.com/OPTCL. The bidder must ensure that the bids are received in the specified website of the OPTCL by the date and time indicated in the Tender notice.
- II. Bids submitted by telex/telegram will not be accepted. No request to collect the Bids in physical form will be entertained by the OPTCL.
- III. The OPTCL reserves the right to reject any bid, which is not submitted according to the instruction, stipulated.
- IV. The participants to the tender should be registered under IT Act, Service tax Act
- V. The Bidder must possess Compatible Digital Signature Certificate (DSC) of Class-II or Class-III.
- VI. Contractors / Vendors / Bidders are requested to follow the below steps for registration
 - (a) Click "Register", fill the online registration form.
 - (b) Pay the amount of Rs. 2300/- through DD in favour of KSEDC Ltd. Payable at Bangalore. This registration is valid for one year.
 - (c) Send the acknowledgment copy for verification.
 - (d) As soon as the verification is done the e-tender User ID will be enabled.
- VII. After viewing Tender Notification, if bidder intends to participate in tender, he has to use his e-tendering User Id and Password which has been received after registration and acquisition of DSCs.
- VIII. If any Bidder wants to participate in the tender he/ she will have to follow the instructions given below:
 - (a) Insert the PKI (which consist of your Digital Signature Certificate) in your System (Note: Make sure that necessary software of PKI be installed in your system)
 - (b) Click / Double Click to open the Microsoft Internet Explorer (This icon will be located on the Desktop of the computer).
 - (c) Go to Start > Programs > Internet Explorer.
 - (d) Type www.tenderwizard.com/OPTCL in the address bar, to access the Login Screen.

- (e) Enter e-tender User Id and Password, click on "Go".
 - (f) Click on "Click here to login" for selecting the Digital Signature Certificate.
 - (g) Select the Certificate and enter DSC Password
 - (h) Re-enter the e-Procurement User Id Password
- IX. To make a request for Tender Document, Bidders will have to follow below mentioned steps:
- (a) Click "Un Applied" to view / apply for new tenders.
 - (b) Click on Request icon for online request
 - (c) Enter the required fields including details of DD for tender Processing fee
- X. After making the request Bidders will receive the Bid Documents which can be checked and downloaded by following the below steps:
- (a) Click to view the tender documents which are received by the user
 - (b) Tender document screen appears
 - (c) Click "Click here to download" to download the documents
- XI. After completing all the formalities Bidders will have to submit the tender and they must take care of following instructions:
- (a) Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not
 - (b) Note down / take a print of bid control number once it is displayed on the screen
- XII. Competitors bid sheets will be available in the website
- XIII. For any e-tendering assistance, contact help desk number: [080-40482000](tel:080-40482000) (Bangalore)

3. SCHEDULE OF BIDDING

- | | | | |
|---|----------------------------|---|---|
| 1 | Type of Bidding | : | Two- part bidding |
| 2 | Tender Documents | : | The bidders can view the tender documents from Website "www.optcl.co.in" free of cost |
| 3 | Tender Cost | : | 6,300/- (non-refundable) including VAT@5% |
| 4 | Mode of paying Tender cost | : | Demand Draft payable to Drawing and Disbursing officer, Headquarters office, OPTCL, Bhubaneswar. The DD must be issued by a Nationalized/ Scheduled Commercial bank on or before the last date for sale of bidding documents, as per clause (j) below |

- 5 Tender Processing Fee(Online Payment) : The bidders shall have to submit a non-refundable tender processing fee of Rs. 5750/- in the form of Demand Draft, drawn in favour of K.S.E.D.C. Ltd., Payable at Bangalore
- 6 EMD* : All bids must be accompanied by a bid security (EMD) in the amount of 30,000/-(Thirty Thousand Only)
- 7 Mode of EMD : The bid Security may be submitted in one of the following forms:
a. Crossed bank draft/pay order/bank certified cheque from any Nationalised/ Scheduled Commercial Bank, drawn in favour of the Drawing and Disbursing Officer, OPTCL, Headquarters, Bhubaneswar
- 8 Submitted EMD, Tender Cost, Tender Processing Fee : The bidders shall scan the Demand Draft/Pay order Towards EMD, tender paper Cost and tender processing fee and upload the scanned image in the prescribed form in .gif or .jpg format in addition to submitted original
: The said demand drafts are to be submitted in original at the office of the undersigned on or before the last date & time of submission of tender
- 9 Date of commencement of Sale of bidding document : 27/12/2016(14:00Hrs)
- 10 Last date of sale of bidding document : 17/01/2017(12:00Hrs)
- 11 Last date and time for submission of bids : 17/01/2017(15:30Hrs)
- 12 Date of Pre-Bid meeting : 06/01/2017(11:00Hrs)
- 13 Time and date of opening of Techno-commercial bids : 18/01/2017(after 15:30)
- 14 Time and of opening price bids : Will be Intimated Latter
- 15 Place of opening of bids : Office of Chief General Manager (IT), 3rd Floor, OPTCL Tower, OPTCL, Janpath, Bhubaneswar-751022
- 16 Address for communication : Chief General Manager (IT), 3rd Floor, OPTCL Tower, OPTCL, Janpath, Bhubaneswar-751022

**Tender papers shall be free of cost, 50% exemption on payment of EMD will be allowed to the local MSEs registered with respective DICs, Khadi village, cottage industries, OSIC and NSIC. Registration / Scope of business of MSE should cover the items to be procured in this tender.

4. SCOPE OF WORK, SCHEDULE OF QUANTITY, WORK DELIVERABLES:

Scope of work: Scope of work comprises supply, installation, commissioning and integrating all components of the Automatic fire fighting equipment at Server, Network, UPS rooms and IT Store of OPTCL, GRIDCO & SLDC along with other accessories with 3 years warranty that meet the full functionality, provide the maintenance services during the warranty period of the systems.

Supplies:

A. BOQ for Room Protection 17 sets: (OPTCL) Server, UPS, IT Store & Network Rooms.

SL. NO.	ITEM DETAILS	QUANTITY EQUIPMENT TY
01	Modular Fire Extinguisher 10 kgs of HFC 236	17
02	Fire Alarm Panel	10
03	Smoke Detector	34
04	GSM Dialler	10
05	Hooter	10
06	Cable	As per requirement

B. BOQ for Panel Protection 2 sets: (OPTCL) Network Room

SL. NO.	ITEM DETAILS	QUANTITY EQUIPMENT TY
01	Fire Extinguisher 4 kgs of HFC 236	02
02	Hanging Bracket	02
03	Polyamide tube of 15 meter	02
04	GSM Dialler	01
05	Hooter	01
06	Cable	As per requirement

C. BOQ for Room Protection 5 sets: (GRIDCO) DC

SL. NO.	ITEM DETAILS	QUFIRE FIGHTING EQUIPMENT TY
01	Modular Fire Extinguisher 10 kgs of HFC 236	05
02	Fire Alarm Panel	02
03	Smoke Detector	10
04	GSM Dialler	02
05	Hooter	01
06	Cable	As per requirement

D. BOQ for Room Protection 5 sets: (SLDC) DC Mancheawar

SL. NO.	ITEM DETAILS	QUFIRE FIGHTING EQUIPMENT TY
01	Modular Fire Extinguisher 10 kgs of HFC 236	05
02	Fire Alarm Panel	02
03	Smoke Detector	10
04	GSM Dialler	02
05	Hooter	01
06	Cable	As per requirement

Note: Any Civil repair/modifications work during installation of the Fire Fighting equipment on the Ceiling, Floor and Wall areas should be included at no extra cost to the purchaser.

Sl. No Other Terms & Conditions

- 1 HO of OEM should belongs from India
- 2 Research & Development lab should belongs from India only
- 3 Support Engineer office at Bhubaneswar only.

5. Opening of Bids: -

- a. Bids will be opened in the presence of Bidders or Bidder's representatives who choose to attend at the specified date and time.
- b. Price Evaluation of Techno-commercial Bids shall be taken up only in respect of Bidders who fulfil the Qualifying Requirements.
- c. The bidders shall be intimated of the price bid opening date through OPTCL's web site in case of any change in the date of opening of the price bid.
- d. In the event of the date specified for bid receipt and opening being declared as a closed holiday for purchaser's office, the due date for submission of bids will be the following working day and the due date for opening of bids will be the next day after the last date of submission of bid.
- e. OPTCL reserves the right to cancel/withdraw the invitation for bids without assigning any reasons and shall bear no liability whatsoever consequent upon such a decision.

6. QUALIFICATION OF THE BIDDER:

Sl. No.	Requirement
1	<p>The bidder must be an OEM authorized dealer and should provide copy of OEM's Authorized Partner / Retailer Certificate for all Automatic fire fighting items quoted (except the items for which the bidder itself is the OEM) along with the bid.</p> <p>The bidder should submit a declaration, by OEMs as a mandatory requirement that the quoted items shall not be outdated within 5(five) years of supply and that OEM renders necessary spares support.</p>
2	<p>Bidder shall be financially sound and must not be anticipating any ownership change for three years from bid submission.</p> <p>An undertaking to this effect shall be submitted by the Bidder.</p>
3	<p>The bidder shall give an undertaking as a part of this contract to provide technical configuration, consultancy and guidance at no extra cost to OPTCL for proper configuration and integration of Automatic fire fighting items.</p>
4	<p>The Bidder should be a certified ISO:9001 & ISO:14001 approval</p>
5	<p>For all items the bidder must have service center at Bhubaneswar equipped with spare stock. The bidder must have an office since last 3 years at Bhubaneswar.</p>
6	<p>The tenders should be kept valid for a period of 180 days from the date of opening of the tender as notified in the tender notice failing which the tenders will be rejected.</p>
7	<p>Should submit audited Annual Accounts for last three financial years 2013-14, 2014-15, 2015-16.</p>
8	<p>Delivery & Installation Schedule must be agreed upon</p>
9	<p>The average annual turnover of the bidder, from similar business, during the last three FY i.e.13-14,14-15,15-16 should not be less than Rs. 2.40 crore. A certificate in this regard shall be submitted from a Chartered Accountant.</p>

10	Experience of minimum 3 nos of similar projects in 13-14,14-15,15-16.
11	Experience of handling minimum 3 nos of similar projects during the last 3 Financial Year . At least one order of Rs. 30 Lakh for supply and installation of similar items with a government / PSU / autonomous public body.

7. Manner to submit the bid

(A.) Tenders shall be in two Parts: The Tenderers are required to submit the tenders in two parts viz. Tenders shall be submitted in electronic mode only through (www.tenderwizard.com/ OPTCL).

- i. Part-I (Techno commercial)
- ii. Part-II (Price bid)

(B) Scanned Copies to be uploaded in .pdf format

All the following supporting documents as below are to be signed and scanned, then uploaded in the tenderwizard.com.

Attachments	Document / Description
doc1	Bid Declaration Form SCHEDULE-B
doc2	Earnest Money Deposit (EMD) DD / Bank certified cheque/ Bank Guarantee as the case may be from any Nationalized / Scheduled Commercial Bank, DD Towards tender paper cost and tender processing due.
Doc3	Authentic copy of registration Certificate as MSE unit if any, for claiming 50% EMD exemption
doc4	Manufacturers Authorization form on prescribed Schedule-C
doc5	OEM"s declaration <i>that the equipment shall not be outdated for six(6) years and for necessary spare support to ASI.</i>
doc6	Copies of certified auditor statement on Annual Turnover and Audited Financial Statement (BS, PL) for last 3 years 2013-14, 2014-15, 2015-16
Doc7	An undertaking that there will be no ownership change for three years from bid submission
Doc8	a) Constitution or legal status, Certificate of Incorporation and principal place of business; b) written power of attorney of the signatory of the bid to commit the bidder if any
Doc9	Detail of maintenance and support infrastructure at Bhubaneswar
Doc10	Declaration of No subcontracting of the contract shall be made
doc11	Information regarding any current litigation in which the bidder is involved, the parties concerned, and disputed amount; Declaration to be submitted
doc12	Declaration to provide technical consultancy and guidance at no extra cost to OPTCL for proper configuration and integration.
doc13	Valid certificate like ISO:9001 & ISO:14001 approval

doc14	Technical Deviation Statement if any as per "Deviations" title in the format described in Schedule-E
doc15	Price Schedule (Section-V)
doc16	Photo copy of PAN, Service Tax Regn. Certificate.
Doc17	Photocopy of TIN / CST registration Certificate.
Doc18	All the required / relevant schedules of this tender including Schedule D
Doc19	Sales Tax Clearance Certificate
Doc20	Duly filled, Signed, Stamped with official stamp on the specification Compliance table at Section. IV

(C) KEY-IN on the Schedules (.XLS) in the Tender Portal:

Following are the schedules in .XLS format to be downloaded, filled in and uploaded by the Bidder as per the OWNER format in the www.tenderwizard.com/OPTCL portal.

1. File Name: Technocommercilsheet.xls

Sl.	Particulars	Sheets in .XLS format
1.	Bidders information	Sheet-I
2.	Acceptance of Important Terms and Conditions	Sheet-II
3.	Techno-commercial Schedule	Sheet-III
4.	Make & Model Declaration	Sheet-IV

2. File Name : TenderPriceSchedule.xls

Price schedules in XLS format to be downloaded filled in and uploaded by the Bidder as per the OWNER format and to be uploaded on the official tender portal of the OWNER: www.tenderwizard.com/OPTCL.

N.B

Notwithstanding anything stated above, OPTCL reserves the right to review the Bidder's capability and capacity to perform the contract at the time of award and reserves the right to accept or reject any or all tenders without assigning any reason thereof.

On request, original documents should be produced by the bidder failing which the tender would be deemed unresponsive hence incomplete.

8.0 OUT RIGHT REJECTION CRITERIAS :

Apart from uploading scanned image as above, the following documents need to be submitted in original to the undersigned on or before the last date & time of submission of tender otherwise the bid out rightly rejected. The above document is to be submitted in a sealed cover envelope super scribing the Tender Notice No & Date of opening of tender clearly on the envelope cover.

i. EMD : Crossed bank draft / pay order / Bank certified cheque / 50% EMD amount with registration certification as MSE for claiming exemption as the case may be towards EMD

ii. DD/Cash Receipt towards Tender paper Cost / Authentic Registration Certificate as MSE if any, for claiming tender paper cost exemption

iii. Tender Processing Fee : DD

8. INSTRUCTIONS TO BIDDERS:

- i. OPTCL reserves the right to cancel/withdraw the invitation for bids without assigning any reasons and shall bear no liability whatsoever consequent upon such a decision.
- ii. No interest shall be paid on Earnest Money Deposit(EMD).
- iii. Earnest Money will be forfeited if the tenderer fails to accept the letter of intent and / or Purchase orders issued in his favour as well as satisfactory completion of the project.
- iv. In the case of un-successful tenderer, the Earnest Money will be refunded immediately after the tender is decided. In the case of successful tenderer, this will be refunded only after furnishing of Composite Performance Bank Guarantee.
- v. Earnest Money will be forfeited if the tenderer fails to accept the letter of intent and / or Purchase orders issued in his favour as well as satisfactory completion of the project.
- vi. After opening of tender and within the validity period, no reduction or Enhancement in price will be entertained. If there is any change in price, the tender shall stand rejected and E.M.D. deposited shall be forfeited. In case of bidders who are exempted from depositing E.M.D. and who revise their price within the validity period, the bids for similar items against subsequent tender call notice of OPTCL, may not be considered.
- vii. If required, the Tenderers may be asked to extend the validity period of bids under the same terms and conditions as per the original tender except for the change in delivery period, In such an event the Tenderers are free to change any or all conditions of their bids including price at their own risk.
- viii. Conditional Offer: Conditional offers shall not be accepted.
- ix. In the event of discrepancy or arithmetical error in the schedule of price, the decision of the purchaser shall be final and binding on the tenderer.
- x. For evaluation the price mentioned in words shall be taken as final, if there is any difference in figure and words in the price bid.

9. General Conditions of the Contract

- I. **Scope of work:** Scope of work comprises supply, installation, commissioning and integrating all components of the Automatic fire fighting equipment at Server, Network, UPS rooms and IT Store of OPTCL, GRIDCO & SLDC along with other accessories that meet the full functionality, provide the maintenance services during the warranty period of the systems.

- II. **DEFINITION OF TERMS:**

In writing these General Conditions of Contract, the Specification and bill of quantity, the following works shall have the meanings hereby indicated unless there is something in the subject matter or contract in consistent with such constructions.

(a) "The Purchaser" shall mean the ODISHA POWER TRANSMISSION CORPORATION LTD or OPTCL.

- (b) "The Engineer" shall mean the engineers appointed by the Purchaser for the purpose of this contract.
- (c) "Purchaser's representative" shall mean any person or persons or consulting firm appointed and remunerated by the Purchaser to supervise, inspect, test and examine workmanship and materials of the equipment to be supplied.
- (d) "The Contractor" shall mean the Bidder whose bid has been accepted by the Purchaser and shall include the Bidders executions, administrators successors and permitted agencies.
- (e) "Contract Price" shall mean the sum named in or calculated in accordance with the provisions of the contract as the "contract price" which shall include packing, forwarding freight, Insurance, Excise Duty, Sales Tax, Octroi and other taxes and duties if applicable.
- (f) "General Condition" shall mean these General Condition of Contract.
- (g) "The Specification" shall mean the specification annexed to or issued with the General Conditions and shall include the schedules and drawings attached thereto as well as all samples and pattern, if any.
- (h) "Month" shall mean of calendar month.
- (i) "Writing" shall include any manuscript, typed/hand written/ printed or other statement re-produced in any visible form and whether under seal or under hand.
- (j) "F.O.R. Destination" costs shall mean the cost of equipment and material at the consignee's store (Schedule K). The cost is exclusive of Excise Duty, Sales Tax and other local Taxes, but is inclusive of packing, forwarding and insurance & Freight charges.
- (k) The "term" contract shall mean & include General Conditions, Specifications, and Schedules, Drawings, form of tender, covering letter, schedule of prices or the final General Condition, any special conditions applying the particular contract, specifications and drawings and agreement to be entered in.
- (l) Terms and condition not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act, failing that in the ODISHA General Clauses Act.

III GUIDELINES FOR THE BIDDER:

(a) The Contractor shall examine the instructions to Tenderers, General Conditions of Contract, Specification, the Schedules of Quantity and delivery and rest of the bidding document to satisfy himself as to all terms and conditions and circumstances affecting the contract price. He shall quote price (s) according to his own allowances except as otherwise provided therein will be levied. The purchaser shall not be responsible for any misunderstanding or incorrect information obtained by the contractor other than information given to the contract in writing by the purchaser.

10. INSPECTIONS AND TESTING

The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, of the identity of any representatives retained for these purposes.

The inspections and tests may be conducted on the premises of the Manufacturer or Supplier at point of dispatch. The Supplier shall provide all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

The Purchaser's right to inspect, test, and where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment.

11. DELIVERY & INSTALLATION SCHEDULE:

- b) Free delivery should be made at the place as mentioned below:
OPTCL IT Store , OPTCL Corporate office, Janpath, Sahid Nagar, Bhubaneswar – 751 022.
- c) The delivery period and installation of **the items ordered, as specified, should not exceed six weeks** from the date of placement of purchase order.
- d) The Supplier will abide by the job safety measures during installation of Fire Safety Equipments at all IT Installations rooms including Server/Network/UPS/store rooms and end users rooms.

12. Consignee:

The consignee for the respective purchaser shall be as follows

Name of the Purchaser	Consignee
OPTCL	Sri Sudarsan Das, AM (IT) Store –In-Charge, OPTCL IT Dept., 3 rd Floor OPTCL Corporate office, Janpath, Sahid Nagar, Bhubaneswar – 751022
GRIDCO	S S Nayak , GM(Ele.) Gridco ,Janpath , Bhubaneswar.
SLDC	B.N Mallick, Manager (Ele.), SLDC, Mancheswar, Bhubaneswar.

f. CONTRACT'S DEFAULT LIABILITY:

- i) The purchaser may upon written notice of default to the contractor terminate the contract in circumstances detailed hereunder.

- a) If in the judgment of the purchaser, the contractor fails to make delivery of equipment within the time specified in the contract or within the period for which extension has been granted by the purchaser, to the contractor.
- b) If in the judgment of the purchaser, the contractor fails to supply with any of the other provisions of this contract.
- ii) In the event purchaser terminates the contract in whole or in parts, the purchaser reserves the right to purchase upon such terms and in such a manner as he may deem appropriate, equipment similar to that of terminated and the contractor will be liable to the purchaser for any additional costs for such similar Software and/or for penalty for delay as defined in penalty clause. Clause-25 Section –III until such reasonable time as may be required for the final supply of Fire fighting equipment Software. Execution of contract under such circumstances shall however be on express written willingness of both the parties.

13. REJECTION OF Supplied Materials:

In the event on any of the materials/ equipment supplied by the contractor is found defective in materials or workmanship or otherwise not in conformity with the requirements of the contract specification, the purchaser shall reject the materials/equipment and request the contractor in writing to rectify the same. The contractor on receipt of such notification shall either rectify or replace the defective equipment free of cost to the purchaser. If the contractor fails to do so within 30 days of written notice, the purchaser may

- (i) At its option replace or rectify such defective equipment and recover the extra costs so involved from the contractor and/or
- (ii) Terminate the contract for balance work/supplies, with enforcement of penalty as per contract.
- (iii) Acquires the affected equipment/materials and services at reduced price considered equitable under the circumstances.

The contractor shall not be allowed any extension in contract completion period due to time taken to replenish the rejected material/work.

14. EXTENSION OF TIME:

If the delivery of equipment/materials is delayed due to reasons beyond the control of the contractor, the contractor shall without delay give notice to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice may agree to extend the contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract.

15. WARRANTY

1. Comprehensive on-site warranty for the products supplied for a period of 3 year.
2. Vendors must send the technical literatures along with the quotation and quote only one make.
3. The commercial terms and conditions asked in the tender enquiry form should be filled clearly.

The free comprehensive support during the warranty period will include the following:

- a) The vendor shall rectify the fault within 6 hours from the time of registration of the call.
- b) The vendor shall be responsible for any defects that may arise out under normal usage due to faulty materials attached to the system, designing lacuna or poor workmanship. The vendor shall have to take immediate remedial measure for such defects at his own cost when called upon to do so by the Purchaser.
- c) The vendor should also guarantee that the equipment and its accessories supplied are complete and fully compatible in every respect, and conform to technical specifications of design, material and workmanship mentioned in the quotation. The vendor should also guarantee that the equipment and its accessories supplied would perform satisfactorily as per requirements mentioned in the specification.
- d) In case of violation of any of the conditions of warranty (for Three years). The Composite Bank Guarantee shall be invoked by OPTCL. In case the violation of the condition of warranty is not set right by the vendor, the Composite Bank Guarantee shall be extended beyond three years for which the vendor shall request the banker for the same. The formalities for extension of warranty should be completed well in advance of the expiry of warranty period by the vendor/bidder, otherwise OPTCL will be forced to invoke the said Composite Bank Guarantee.
- (e) If any equipment gives continuous trouble, say six times in one month, during the warranty period, the Supplier shall replace the equipment with new equipment without any additional cost to the Purchaser.
- (f) In case, the downtime of a unit exceeds 24 hours and the fault is not rectified or faulty equipment not replaced within stipulated period, a penalty of Rs.100/- per day per faulty unit will be charged and will be recovered from the performance guarantee or from any sum thereafter that may become due to the vendor out of this contract or any other contract with OPTCL, Bhubaneswar. 24 hours or part thereof beyond the stipulated downtime shall be counted as a full day for calculation and imposition of penalty.
- (g) The vendor shall provide quarterly preventive maintenance to the Fire fighting equipment -virus Software supplied. In case of the firm fails to conduct the quarterly preventive maintenance of any Software of the contract during the warranty period, a penalty of 0.5% of the contract amount for that quarter and the penalty amount shall be deducted from the Composite Bank Guarantee of the firm.

NOTE: The penalty will be adjusted from the Composite Bank Guarantee till it exceeds 50% of the guarantee amount at which point, the Chief General Manager (IT), OPTCL reserves the right to cancel the contract. In such cases, the full amount of Composite Bank Guarantee shall be forfeited to the OPTCL.

16. PRICE:

(a) Bidders are requested to quote their FIRM price only for each individual item covered under schedule of requirement. No price variation shall be entertained at any time during the contract period.

(b) All prices quoted must be firm and valid for 180 (One hundred and eighty) days from the date of opening of the commercial bid.

(c) The prices shall be for destination only at the consignees store(s) inclusive of packing, forwarding, freight and insurance.

(d) Wherever the issue of foreign exchange is involved due to import of materials from a country other than India, the same shall be paid by the vendor. Import License, marine

freight, insurance, customs duty, surcharge, port handling and clearing charges etc. all shall be vendors account and purchasers shall not be responsible in any way in this regard. All such costs shall be presumed to have been included in unit prices under column No.6 of Price Schedule in Section-V.1.(III).(b).

VALIDITY:

Prices and conditions of sale of the offer should be valid for a period of 180 days from the date of opening of the tender. However, the tenderer shall confirm in writing in the tender in this regard, otherwise, must mention his validity period in writing in the tender failing which the tender shall be rejected.

17. TERMS OF PAYMENT:

- (i) 100% payment shall be released on receipt of items in good condition on delivery, verification and stores entry and installation of the all ordered Items on submission of the following items.
 - (a) Bills in triplicate,
 - (b) Delivery challans,
 - (c) Inspection Report duly approved,
 - (d) Installation Certificate duly signed by user, IT Executive and Supplier's representative.
 - (e) OEM warranty certificate for 3 years from the date of installation.
 - (f) 10% (Composite Bank Guarantee) of contract price valid for 39 months from date of delivery. For this purpose the contract price shall mean firm price.
- (ii) No advance payment in any form will be made.

18. COMPOSITE BANK GUARANTEE:

A composite Bank Guarantee at the rate of 10% (Ten percent) of the value of the total project shall be furnished from any Nationalized/Scheduled Bank to the Chief General Manager (I.T), OPTCL within 30 (thirty) days of issue of the purchase order, executed in a non-judicial stamp paper worth of Rs.29/- (Rupees twenty nine) only subject to change as per ODISHA Stamp Duty Act valid for a period of 39 (thirty nine) months from the schedule date of delivery of last lot strictly as per proforma enclosed, towards security, 100% payment and performance guarantee purposes failing which the purchase order will be treated as cancelled. In the event of any breach or default in all or any of the conditions set forth and provided in the purchase order, the purchaser may forfeit the whole amount of the composite bank guarantee. The forfeiture of the composite Bank guarantee shall not in any way affect, limit or extinguish any remedy or relief to which the above authority may at any time be lawfully entitled. No interest will be payable on Composite Bank Guarantee amount.

a. PENALTIES TOWARDS NON PERFORMANCE

Delay in execution of any supply order against this tender shall attract penalty. If the supplier fails to complete the delivery as per delivery schedule specified, OPTCL shall recover from the supplier as penalty a sum of 0.5% of the item value of the undelivered portion (item) for each calendar week or part there of subject to a maximum of 5% of the ordered unit license price. Imposition of penalty is however subject to force majeure conditions.

19. Force Majeure Clause

The supplier shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force majeure such as acts of God, acts of the public enemy, acts of Govt., Fires, floods, epidemics, QuarFire fighting equipment ne restrictions, strikes, Freight Embargoes / failure in downloading, activating the license due network problems, server down, link failure, site not ready, consignee absent and provided that the supplier shall within Ten (10) days from the beginning of such delay notify the purchaser in writing of the cause of delay along with documentary evidence. The purchaser shall verify the facts and grant such extension, if facts justify.

20. INSURANCE:

Insurance of Stores covered by this specification shall be done by the suppliers with their own insurance unless otherwise stated. The responsibility of delivery of the stores at destination in good condition rests with the supplier. Any claim with the Insurance Company or transport agency arising due to loss or damage in transit has to be settled by the supplier. The supplier shall undertake free replacement of materials damaged or lost which will be reported by the consignee within 30 days of receipt of the materials at destination without awaiting for the settlement of their claims with the carriers and underwriters. In case the replacement of damaged item/part is not done within 30 days, the material shall be treated as not delivered and shall attract penalty till replacement as per clause under heading "Rejection of Materials".

21. PAYMENT DUE FROM THE CONTRACTOR:

All costs and damages for which the contractor is liable to the purchaser, will be deducted by the purchaser from any money due to the contractor under the contract or through the composite Bank Guarantee submitted by him.

22. JURISDICTION OF THE HIGH COURT OF ODISHA:

Suits, if any, arising out of this contract shall be filed by either party in a court of law to which the jurisdiction of High Court of ODISHA extends.

23. SALES TAX, INCOME TAX CLEARANCE:

Sales Tax certificate and PAN should be enclosed with the tender.

24. RIGHT TO REJECT/ACCEPT ANY TENDER:

The purchaser reserves the right either to reject or to accept any or all tenders. The purchaser has exclusive right to alter the quFire fighting equipment ties of materials at the time of placing final purchase order. After placing of the order the purchaser may defer the delivery of the materials. It may be clearly understood by the tenderer that the purchaser need not assign any reason for the above action.

25. CONTRACTOR'S RESPONSIBILITY:

Not with standing anything mentioned in the specification or subsequent approval or acceptance of the purchaser, the ultimate responsibility for design of Software and satisfactory performance shall rest with the tenderers.

26. MINIMUM QUALIFICATION CRITERIA OF BIDDERS:

All the prospective bidders are requested to note that their bids can only be considered for evaluation only if they fulfil all the required criteria mentioned in the General Information to Bidders in the tender. Bidders, who do not fulfil these criteria, need not submit their bids.

27. LANGUAGE AND MEASURES:

All documents pertaining to the contract including specifications, schedule, notices, correspondences, operating and maintenance instructions, drawings or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

28. CORRESPONDENCES:

- (i) Any notice to the contractor under the terms of the contract shall be served by Registered mail or by hand at the contractor's principal place of business.
- (ii) Any notice to the purchaser shall be served at the OPTCL's principal office in the same manner.

29. LEGAL ADDRESS OF THE PARTIES:

The address of the parties to the contract shall be specified.

30. PURCHASER:

Chief General Manager (IT), ODISHA Power Transmission Corporation Ltd.
3rd Floor, OPTCL Tower, Janapath,
Bhubaneswar – 751 022, Odisha, India

CONTRACTOR:

(TO BE FILLED BY THE TENDERER)

31. COPY RIGHT PROTECTION OF TENDER DOCUMENT:

The contractor shall treat the details of the Specification and other Tender documents as private and confidential and they shall not be reproduced without written authorization from the purchaser.

Chief General Manager(IT)

* * * * *

TECHNICAL SPECIFICATIONS

Specification Compliance or Deviations tables with reference to the specifications of items mentioned at SCHEDULE – D.

BOQ for Room Protection 17 sets: (OPTCL) Server ,UPS, IT Store & Network Rooms.

SL. NO.	ITEM DETAILS	QTY. FIRE FIGHTING EQUIPMENT	Compliance (Yes/No)	Deviations if any
01	Modular Fire Extinguisher 10 kgs of HFC 236	17		
02	Fire Alarm Panel	10		
03	Smoke Detector	34		
04	GSM Dialler	10		
05	Hooter	10		
06	Cable	As per requirement		

BOQ for Panel Protection 2 sets: (OPTCL) Network Room

SL. NO.	ITEM DETAILS	QTY. FIRE FIGHTING EQUIPMENT	Compliance (Yes/No)	Deviations if any
01	Fire Extinguisher 4 kgs of HFC 236	02		
02	Hanging Bracket	02		
03	Polyamide tube of 15 meter	02		
04	GSM Dialler	01		
05	Hooter	01		
06	Cable	As per requirement		

BOQ for Room Protection 5 sets: (GRIDCO) DC

SL. NO.	ITEM DETAILS	QTY. FIRE FIGHTING EQUIPMENT	Compliance (Yes/No)	Deviations if any
01	Modular Fire Extinguisher 10 kgs of HFC 236	05		
02	Fire Alarm Panel	02		
03	Smoke Detector	10		

04	GSM Dialler	02		
05	Hooter	01		
06	Cable	As per requirement		

BOQ for Room Protection 5 sets: (SLDC) DC Mancheawar

SL. NO.	ITEM DETAILS	QTY. FIRE FIGHTING EQUIPMENT	Compliance (Yes/No)	Deviations if any
01	Modular Fire Extinguisher 10 kgs of HFC 236	05		
02	Fire Alarm Panel	02		
03	Smoke Detector	10		
04	GSM Dialler	02		
05	Hooter	01		
06	Cable	As per requirement		

SCHEDULE-B

BID FORM

To:
Chief General Manager (IT),
ODISHA Power Transmission Corporation Limited
3rd Floor, OPTCL Tower, Janpath,
Saheed Nagar, Bhubaneswar- 751 022.

Ladies and/or Gentlemen,
Having examined the bidding documents, including Addenda Nos. (insert numbers), the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the equipment, accessories & associated services under the Contract for procurement of Fire fighting equipment " in conformity with the said Bidding Documents for the sum of _____ (Total Bid Amount in Words and Figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our bid is accepted, to deliver the Goods in accordance with in the stipulated delivery period as mentioned in the Bidding Documents.

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

We agree to abide by this bid for a period of 180 days from the date fixed for bid opening under Clause - 4 "General Instruction to Bidders", and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

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

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

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

Dated this.....day of20.....

Signature in the capacity of
..... duly authorised to sign for and on behalf of

(IN BLOCK LETTERS) with Seal

MANUFACTURER'S AUTHORISATION FORM

No _____

Dated _____

To

Chief General Manager (IT),
ODISHA Power Transmission Corporation Limited 3rd
Floor, OPTCL Tower, Janpath,
Saheed Nagar, Bhubaneswar- 751 022
ODISHA.

IFB No _____

Dear Sir,

We [*name of the Manufacturer*] who are established and
reputable manufacturers of [*name and/or description of the goods*] having
factories at [*address of factory*]

do hereby authorise [*name and address of Agent*] to submit a bid, and
subsequently negotiate and sign the Contract with you for the goods manufactured by us against the
above IFB.

We hereby extend our full gurantee and warranty as per Clause 21 of the General Conditions of
Contract for the goods and services offered for supply by the above firm against this Invitation for
Bids (IFB).

[Signature for and on behalf of Manufacturer]

[Name]

[Name of the Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be
signed by a person competent and having the power of attorney to bind the Manufacturer. It
should be included by the Bidder in its bid.

Procurement of Automatic fire fighting equipment for OPTCL,GRIDCO DC & SLDC DC

Price Schedule for Goods to be keyed in the .xls / .xlsx template provided in the tender portal.

Bidder's Name & Address:

BOQ for Room Protection 17 sets: (OPTCL) Server, Ups, IT Store & Network Rooms.

1.	2.	3.	4.	5.	6
Sl. No	Description	Country of Origin	Qty. (nos.)	Unit Price including all taxes(Rs.)	Total price including all taxes (Rs.)
01	Modular Fire Extinguisher 10 kgs		17		
02	Fire Alarm Panel		10		
03	Smoke Detector		34		
04	GSM Dialler		10		
05	Hooter		10		
06	Cable		As per requirement		

BOQ for Panel Protection 2 sets: (OPTCL) Network Room

01	Fire Extinguisher 4 kgs of HFC 236		02		
02	Hanging Bracket		02		
03	Polyamide tube of		02		
04	GSM Dialler		01		
05	Hooter		01		
06	Cable		As per requirement		

BOQ for Room Protection 5 sets: (GRIDCO DC)

01	Modular Fire Extinguisher 10 kgs		05		
02	Fire Alarm Panel		02		
03	Smoke Detector		10		
04	GSM Dialler		02		

05	Hooter		01		
06	Cable		As per requirement		
BOQ for Room Protection 5 sets: (SLDC DC)					
01	Modular Fire Extinguisher 10 kgs		05		
02	Fire Alarm Panel		02		
03	Smoke Detector		10		
04	GSM Dialler		02		
05	Hooter		01		
06	Cable		As per requirement		

Note:

- (1) In case of discrepancy between unit price and total, the unit price shall prevail.
- (2) Continuation sheets of like size and format may be used as per the Bidder's requirement and shall be annexed to this schedule.
- (3) @ The price shall include all custom duties, sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item, or the custom duties and other taxes paid on previously imported item offered ex-warehouse, ex-showroom, or off-the-shelf. These factors should not be entered separately.

PROCUREMENT OF FIRE FIGHTING ITEMS

1.0 General Information

All individual firms bidding for the package are requested to complete the information in this form. Nationality information to be provided for all owners or Bidders who are partnerships or individually owned firms.

Where the Bidder proposes to use named subcontractors for critical components of the works, or for work contents in excess of 10 percent of the bid price, the following information should also be supplied for the specialist subcontractor(s).

1.	Name of firm	
2.	Head office address	
3.	Telephone.	Contact
4.	Fax	Telex
5.	Place of incorporation/registration	Year of incorporation/registration

Nationality of owners		
	Name	Nationality
1.		
2.		
3.		

2.0 Capability Statement

1.	Name of Bidder	
2.	Classifications (1) Manufacturer (2) Authorized Agent	

	(3) Dealer (4) Others (please specify)	
3.	Factory/Works: (a) Location (b) Description, Type and size of building	
4.	Type of equipment manufactured and supplied during last three years.	
	Name of equipment	Capacity/Size
		Nos. manufactured
		Nos. of orders on hand
5.	Details of Organization at Service Centre a) No. of skilled employees: b) No. of Unskilled employees: c) No. of Engineering employees d) No. of Administrative employees e) List of special repair/workshop facilities available f) Storage space for spare parts (sq. m.) g) Value of minimum stock of spares available at all the service centres in respective currency h) Value of the modes/types by number of equipment serviced by the centre in last two years	
6.	Names of three buyers to whom similar equipment was supplied in the past and to whom reference may be made by the Purchaser regarding the Bidder's technical and	
	(1)	
	(2)	
	(3)	

Banker Information

Name of Bidder:

Bidders shall provide financial information to demonstrate that they meet the requirements stated in the Instructions to Bidders. Each Bidder must fill in this form. If necessary, use separate sheets to provide complete banker information.

Name of Banker	
Address of Banker	
Telephone No. Fax No. Contact Name & Title	

Summarise actual assets and liabilities in Indian Rupees for the previous three years. Based upon known commitments, summarise projected assets and liabilities in Indian Rupees for the next three years.

4.0 Litigation History

Name of Bidder

Bidders should provide	Award FOR or AGAINST Applicant	Name of client, cause of litigation and matter in dispute	Disputed amount (Current Value in Indian Rupees)

5.0 Performance Statement (for a period of last three years for all the type of items offered)

Sl. No.	Order placed by (full address of Purchas	Order No. and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery As per contract	Date of completion of delivery as per Actual	Remarks indicating reasons for late delivery, if any.	Balance qty., if any, to be supplied	Expected date of Commencement completion of balance supplies	Has the equipment been satisfactorily functioning?

Date :

(Signature)

Place :

(Printed Name).....

(Designation)

(Common Seal)

PROCUREMENT OF FIRE FIGHTING ITEMS

(DEVIATIONS AND ALTERNATIVES)

The Bidder shall item wise any alternatives and deviations from the bid document included in his Bid. Each item shall be listed below with the following information:

Any proposal in this section will be applicable only for the bidders whose Bid will be substantially responsive in accordance with **“Instructions to Bidders”**.

A Bid determined as not substantially responsive will be rejected and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

1. Reference Clause in the bid document.
2. Detailed description of the alternative or deviation.
3. Reason for the change.
4. The change in bid price if the alternative or deviation is withdrawn and the bidder conforms to the specifications.

Date: (Signature)

Place: (Printed Name)

(Designation)

(Common Seal)

PROCUREMENT OF FIRE FIGHTING ITEMS

(FORM OF CERTIFICATE OF ORIGIN AND ELIGIBILITY)

Bidder's Name & Address

I (We) hereby certify that the equipment and materials to be supplied are produced in
....., an Eligible Source Country.

I (We) hereby certify that my (our) company is incorporated and registered in
....., an Eligible Source Country.

Date: (Signature)

Place: (Printed Name)

(Designation)

(Common Seal)

N.B: TO be signed and the scanned copy to be uploaded

SCHEDULE-H

**PROFORMA FOR COMPOSITE BANK GUARANTEE FOR
SECURITY DEPOSIT, PAYMENT AND PERFORMANCE**

This Guarantee Bond is executed thisday of 20_ by us the(Bank) at P.O. P.S..... Dist..... State

WHEREAS THE ODISHA POWER TRANSMISSION CORPORATION LTD., a corporate body constituted under the Company Act, 1956 (herein after called "the OPTCL") has placed orders No.....Dt.....(hereinafter called "The Contract) on M/s..... (hereinafter called "The Contractor") for supply, install, testing and commissioning of the AND

WHEREAS the Contractor has agreed to supply, install, testing and commissioning of at the OPTCL in terms of the said contract, AND

WHEREAS the OPTCL has agreed (1) to exempt the contractor from making payment of security, (2) to release 100% payment of the cost of materials as per the said agreement and (3) to exempt from performance guarantee on furnishing by the Contractor to the OPTCL a Composite Bank Guarantee of 10% (ten percent) of the contract value in force of the said contract.

NOW THEREFORE in consideration of the OPTCL having agreed (1) to exempt the contractor from making payment of security (2) releasing 100% payment to the contractor and (3) to exempt from furnishing performance guarantee in terms of the said contract as aforesaid, we, the(Bank) (hereinafter referred to as 'the Bank') do hereby undertake to pay to the OPTCL an amount not exceeding Rs.....(Rupees) against any loss or damage caused to or suffered by or would be caused to or suffered by the OPTCL by reason of any breach by the said contractor of any of the terms and conditions contained in the said contract.

(2) We (the Bank.....) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by the OPTCL by reason of any breach by the said Contractor of any of the terms or conditions contained in the said contract or by reason of the Contractor's failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....).

(3) We (the Bank.....) also undertake to pay to the OPTCL any money so demanded not withstanding any dispute or disputes raised by the Contractor in any suit or proceeding instituted / pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor (s) shall have no claim against us for making such payment.

(4) We (the Bank.....) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said contract

and that it shall continue to be so enforceable till all the dues of the OPTCL under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till Chairman-cum-Managing Director, ODISHA Power Transmission Corporation Limited or his nominee certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Contractor and accordingly discharges this guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

(5) We (the Bank.....) further agree that the OPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said Contractor or for any forbearance, act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.

(6) This guarantee will not be discharged due to the change in the name, style and constitution of the Bank and the contractor.

(7) We (the Bank.....) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the OPTCL in writing.

(8) We (the Bank.....) further agree that this guarantee shall also be invokable at our place of business at Bhubaneswar in the state of ODISHA.

Dated at the day of Two thousand

For

(Indicate the name of the Bank)

Witness:

- 1.
- 2.

NOTE FOR TENDERERS:

- The B.G. is to be furnished in Non-judicial Stamp paper of Rs.29/- as applicable as per ODISHA Stamp Duty Act. From any Nationalized Bank.
- The stamp paper must be purchased in the name of the Bank issuing BG.

SCHEDULE-I**TECHNICAL SPECIFICATIONS :**

FIRE SPOT ROOM PROTECTION SYSTEM WITH GSM DIALLER AND HOOTER			
Sl. No.	Component	Description	Complied (Yes/No)
01	Make & Model	Specify	
	Make & Model	<ul style="list-style-type: none"> ➤ Make: Reputed make in India having ISO:9001 & ISO:14001 approval. ➤ Own manufacturing unit in india for after sales services. ➤ Local branch office & local contact person should be in Odisha for after sales services on spot within 24 hours. ➤ 3 Years warranty for any Manufacturing defects. ➤ In case of operation or after 3 years the Extinguisher should be replaced on chargable basis. 	
	FIRE SPOT ROOM PROTECTION SYSTEM WITH GSM DIALLER AND HOOTER= 27 NOS	<p>Early detection and fire protection application – Smoke detection through photoelectric smoke detectors for early detection, inputs from detectors received by Fire Alarm Panel (4-Zone) with 16X2 LCD Display, RS-485 Comm. Port, Relay output to actuate Valve of Ceiling Mounted Modular fire extinguisher. Modular FE should be made of Mild Steel, grade CR1 of IS 513 with 10 kg capacity. Cylinder includes pressure gauge, Pressure sensor, adaptor and valve assembly. The adaptor assembly includes a Nickel chrome-plated steel adaptor, control valve and a Sprinkler valve. Cylinder's working pressure of 8 bar, a test pressure of 35 bar, minimum burst pressure of 80 bar. Clean agent - extinguishing agent is Hexafluoropropane, synonyms are HFC-236fa, R-236 designed for fire/explosion extinguishing, suppression and prevention (inerting) agent for use in portable extinguisher or total flooding systems. After valve actuation clean agent floods the room and extinguishes fire, pressure gauge creates</p>	

		<p>differential to signal GSM dialler which has 5 triggers for message and call facility to alert (with Pre-recorded message) concerned authorities whose nos. are fed into the system while installation. Also Control unit triggers hooter to give audio alarm (Dual tone).</p>	
	Modular Fire Extinguisher	<p>Capacity : 10 Kg</p> <ul style="list-style-type: none"> ■ Area Coverage : 3 m x 3m ■ Cylinder Testing Pressure : 35 Kgf/cm² ■ Class of Fire : A, B, C ■ Charge : HFC-236fa ■ Propellant : Dry Nitrogen ■ Cylinder body : MS as per IS513 ■ Neckring : MS as per IS1239 ■ Sprinkler head body : Brass as per IS319 	
	FIRE ALARM PANEL	<ul style="list-style-type: none"> ■ Standby battery backup with built in charging ■ Error free fire/fault status in unambiguous colour LED indication ■ Zone wise one man walk test facility ■ Programmable auto silence ■ Compatible to all type of conventional smoke detectors ■ Three Form C Relays ■ Fault – Pulse 0.5 sec ON and 0.5 sec OFF. 	
	SMOKE DETECTORS	<p>Operating Temp. - (-) 20°C to +60°C</p> <ul style="list-style-type: none"> ■ Air Velocity - 20 m/s ■ Humidity - 5 – 95% RH (non-condensing) 	

		<ul style="list-style-type: none"> ■ Quiescent Current - 120 μA Typical ■ Latching Alarm - Reset by momentary power interruption 	
	GSM DIALLER	<p>No of Inputs - 5, Potential free contacts</p> <ul style="list-style-type: none"> ■ Display LEDs for status / errors ■ SMS alerts Max 15 numbers, 135 characters long alerts can be stored in memory ■ Memory Storage Last 500 records of all the error condition occurrences ■ Hooter Output A potential free contact (NO-C-NC), to connect a hooter ■ PC Application To download data and configure messages, phone numbers etc 	
	HOOTER	<p>HV Test - 1500V AC</p> <ul style="list-style-type: none"> ■ Input Current - 0.175 amp ■ Sound Output Level - 100 db@1 metre in ideal condition 	
	<u>NB:</u>	. The current rate of the extinguishers. Plus local sales tax will be extra	
02	FIRE SPOT IN PANEL PROTECTION SYSTEM WITH GSM DALLER AND HOOTER		
	Make & Model	Specify	
	FIRE SPOT IN PANEL PROTECTION SYSTEM WITH GSM DALLER AND	Automatic Fire Spot in Panel Protection system with 4 kgs Clean Agent Grenoz (HFC-236fa) gas. Heat Sencing Polymer Tube of 15 meters red colour. Heat sensing tube reptures when comes in contact with fire for extinguishing fire. This is to be provided with bracket which can be mounted on	

	HOOTER= 02 NOS	<p>panel.</p> <p>Cylinder shell is made out of CRCA sheet, as per IS:513 and MIG welded. Hydro static pressure is conducted at 35 bar pressure for 30 seconds. On/Off valve should be provided. Syphone tybe made of aluminium. Heat sencing tube made of Polyamide. Class of fire A,B & C. Control Valve forged brass.</p> <p>SMS Alert (GSM Dialler) should be provided for 10 phone numbers with voice calling system.Hooters with audio alarm system.</p>	
		<ul style="list-style-type: none"> ➤ Make: Reputed make in India having ISO:9001 & ISO:14001 approval. ➤ Own manufacturing unit in india for after sales services. ➤ Local branch office & local contact person should be in Odisha for after sales services on spot within 24 hours. ➤ 3 Years warranty for any Manufacturing defects. ➤ In case of operation or after 3 years the Extinguisher and Polyamide Tube should be replaced on chargable basis. 	

-000-