



**ODISHA POWER TRANSMISSION CORPORATION LIMITED**

(A Govt. of Odisha undertaking)

CIN-U401020OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR-751022,  
OFFICE OF THE DEPUTY GENERAL MANAGER (Elect)  
EHT (O&M) DIVISION, PARADEEP

**AT- Grid Colony,P.O.:- Paradeep Garh, Dist-Jagatsinghpur, PIN-754141**

**Mob- 9438907650, E-mail - ehtm.div.prdeep@optcl.co.in**

**TENDER SPECIFICATION**

**NO.02/2017-2018**

**FOR**

**SUPPLY OF CAF BASED FIRE EXTINGUISHERS FOR GRID S/S  
CHANDIKHOLE.**

SALE OF TENDER SPECIFICATION:	DT. 23-12-2017 (From-11:00AM)
LAST DATE SALE OF TENDER SPECIFICATION:	DT. 03-01-2018 (Upto-5:00PM)
LAST DATE OF SUBMISSION OF TENDER:	DT. 04-01-2018 (By- 02:00PM)
DATE OF OPENING OF TENDER:	DT. 04-01-2018 (On-3.00PM)
COST OF TENDER PAPER:	<b>RS 2000.00+12% GST (Rs 2240.00)</b>

ISSUED TO,


BIDDER NAME:- .....  
ADDRESS:- .....

DISTRICT:- í í í í í í í í í í í í í í í í í í í ..  
PIN No.:- í í í í í í í í í í í í í í í í í í í í ..

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## SECTION-I

	<p><b>ODISHA POWER TRANSMISSION CORPORATION LTD.</b> (A Government of Odisha Undertaking) Regd. Office: Janpath, Bhubaneswar-751022, Odisha <b>OFFICE OF THE Dy. GENERAL MANAGER (ELECT) EHT (O&amp;M) DIVISION, PARADEEP,</b> AT: GRID COLONY, PO: PARADEEP GARH, PIN-754141, DIST: JAGATSINGHPUR (ODISHA), Mob-9438907650, <a href="mailto:Email-ehm.div.prdeep@optcl.co.in">Email-ehm.div.prdeep@optcl.co.in</a> <b>CIN:U401020OR2004SGC007553</b></p>
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### TENDER CALL NOTICE NO. 02/2017-18

The Dy. General Manager (Elect.), EHT (O&M) Division, Paradeep invites sealed Tenders in duplicate from reputed **Authorized dealer/ Manufacturer** for Supply of Compressed air foam (CAF) based Fire Extinguishers for Grid S/S Chandikhole.

SINo.	Tender Specification No.	Description of Items	Qty in Nos.	Earnest Money Deposit (in Rs.)	Cost of Tender Spec. Document (in Rs.)
1.	TCN NO-02/2017-18, EHT (O&) Division, Paradeep	Water Mist-Low Pressure using Std. AFFF compound with fire rating 55A,233B,1000V, Capacity 50 Ltrs (Trolley Mounted)	2	1% of quoted value	2,000/- + 12% GST (Rs2,240/)

The tender specification can be obtained from the office of The DGM, EHT (O&M) Division, Paradeep on payment of Rs 2,000/- (**Two Thousand only**) + GST @ **12%** (Non Refundable) in shape of Cash/ Cheque/ Bank Draft in favor of **EHT (O&M) Division Paradeep**, payable at Paradeep on any working days from **Dt. 23-12-2017, 11AM to Dt. 03-01-2018 by 5:00PM.** Additional amount of Rs.100/- (One Hundred only) may be Paid extra for postal delivery of the tender specification. The undersigned shall not be held for any postal delay.

The Tender shall be received up to 2 PM of dated 04-01-2018 & will be opened at 3PM of same day in the office of the Undersigned in presence of the Bidders (or) their Authorized Representatives present if any. If any of the above date happens to be a holiday, the next working day will be the corresponding effective date.. E.M.D @ 1% of the total quoted value should be deposited in shape of Demand Draft in favour of EHT (O&M) Division, Paradeep & payable at Paradeep along with Self Attested Copy of PAN and GST Registration Certificate failing which the tender will be liable for rejection.

The bidder should superscribe only the "Tender Call Notice No. & Date of Opening of the Tender on the body of the Sealed Envelope." Bidder should not write their name or any other information on the body of the sealed envelope. Super scribing any other information on the body of the envelope, Conditional tender, Incomplete tender, Telegraphic / Fax / E-mail (etc.) Tenders & Tenders not accompanied with requisite amount of E.M.D will be rejected. The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender without assigning any reason thereof.

**N.B:- Tender Paper must be purchased from this office only within stipulated period. Any other mode like downloaded paper from website will not be accepted.**

Sd/-

**DGM(EL).E.H.T.(O&M) Division,Paradeep**

## SECTION-II

### INSTRUCTIONS TO BIDDER

1. The contract shall be valid only for a minimum of 90 days from the date of opening of tender. The department reserves the right also to terminate the contract at any time during the contract period without assigning the reasons thereof.
2. The authority reserves the right to award the contract among any responsive bidders against this tender. Besides this, the authority reserves the right to accept or reject any or all tenders without assigning any reason thereof.
3. The bidder has to submit all the documents as mentioned in **Clause No.11 of SECTION-III**. Also the documents must valid on the date of opening of tender should be submitted along with tenders, failing which the tender will be rejected. The bidder or their authorized representatives should produce the original documents mentioned in Clause **No.11 of SECTION-III** for verification at the time of opening of the tender. Those who fail to produce the same and found not to be valid on the date of opening of tender not matching with the Xerox copy submitted by the bidder; their tenders will be out rightly rejected. In case if only one bidder participate in the tender process or nature of urgency of work (decided by this office), then undersigned may consider the case (\*but not mandatory) & he will be given a chance to produce original documents in this office within one week from the date of opening of the tender.
4. In case of any dispute arising either in supply of material or any clause of agreement/ work order, the decision of the Unit Head, will be final and binding on the Bidder.
5. Tender with over writing, erased, illegible rates or rates not shown in figures and words in English will be liable for rejection. In case of discrepancy between words and figures noted against each item of the tender and between unit rates and total amount, the decision of the Competent Authority (Committee or Unit Head) accepting the tender will be final and binding on the bidders. Total of item and grand total of whole tender be clearly written. Correction in the tender, if un-avoidable, should be made by re-writing with dated initial of the bidder after scoring out wrong entries, clerical and arithmetical mistakes may result in the rejection of the tender.
6. The bidders shall sign on all pages of the tender document as a token of acceptance of all terms and conditions thereof and submit his quotations therein.
7. The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.
8. Request from the bidder in respect of additions alternations, modifications, corrections of either terms or conditions or rates after opening of the tender will not be considered.
9. All correspondence relating to the tender shall be made with Dy. General Manager (Elect.), E.H.T. (O&M) Division,Paradeep.

**SECTION-III**  
**GENERAL TERMS & CONDITIONS OF CONTRACT**

Sealed tenders are invited in duplicate from reputed **Manufacturers/Authorized Dealer for Supply** of Compressed Air Foam (CAF) based Fire Extinguishers for Grid S/S Chandikhole.

**1. SUBMISSION & OPENING OF TENDER:-**

Tender shall be submitted with other documents in duly sealed envelope super scribed on the body of envelope **Tender for Supply of Compressed Air Foam (CAF) based Fire Extinguishers for Grid S/S Chandikhole under EHT (O&M) Circle, Cuttack**. The bidder should write only Tender Specification No, the name of work and date of opening of the tender on the body of the sealed envelope. Bidder should not write their name or Agency name on the body of the sealed envelope which may make the offer liable for rejection.

**2. RIGHT & AUTHORITY FOR REJECTION:-** Tenders received after due date and time will be summarily rejected. The Dy. General Manager (Electrical), E.H.T. (O&M) Division, Paradeep reserves the right to reject any or all of the tenders without assigning any reason thereof.

**3. VALIDITY OF OFFER:-** The offer should be firm and valid for a period of at least 90 days from the date of opening of tenders, Unless the tender will be rejected.

**4. EARNEST MONEY DEPOSIT:-** The tender should be accompanied with 1% of the total quoted amount towards Earnest Money Deposit (EMD) in shape of **Bank Draft** in favour of EHT (O&M) DIVISION, PARADEEP payable at State Bank of India, Paradeep otherwise tender will be out rightly rejected. The EMD of the unsuccessful bidders will be returned after finalization of tender. The EMD of the successful bidders will be returned only after the Security money deposited as per the clause **No.(6) in Section (III)**. In case of successful bidder fails to execute the order satisfying all terms & conditions or also fails to commencement of work within stipulated date mentioned in the date of order, the Earnest Money Deposit will be forfeited. No interest will be paid on the EMD to any participator. No other mode than above for EMD Deposit will be accepted & bidder will be out rightly rejected.

**5. PRICE:-** The bidders are advised to quote their rate as per the price schedule in **Section-IV** with break up prices including of all Taxes & Duties and shall remain upto the validity of tenders.

**6. SECURITY DEPOSIT CUM PERFORMANCE GUARANTEE:** Security Deposit-cum-Performance Guarantee amounting to 10% of the Contract value valid up to two months after the guarantee period shall be deposited within 15 days (fifteen days of placement of Purchase order in the shape of DD/Composite B.G. from a Nationalized Bank to be drawn in favour of EHT (O&M) Division, Paradeep .The security deposit shall be released after 18 months from the date of supply of the contract (in full shape) or 12 months from the date on which Materials has been put to service, whichever is earlier as stated under **clause-10 of SECTION-III** on receipt of application for this purpose. No Interest shall be paid to the bidder towards the security deposit so deposited by the Bidder. The security deposit shall be deposited with the respective paying officer of OPTCL prior to execution of contract. In case of Non fulfillment of contractual obligation by the bidder, the same so deposited shall be forfeited.

**7. DELIVERY PERIOD:-** The materials should be supplied within 30days from date of placing order. . The purchaser however reserves the right to reschedule the delivery and change of destination. Early delivery is preferable.

**8. PENALTY: -** Penalty @ 0.5%(half per cent) per week up to a maximum of 5% of the total value of the Contract will be imposed and recovered from dues admissible if the material will not delivered within the specified date in **SECTION 6III, clasue-7**. However imposition of penalty clause is subject to force majeure condition.

**9. TERMS OF PAYMENT:** - 100% payment with taxes and duties will be paid after delivery of materials at the respective sites subject to inspection and detailed verification thereof and subject to deposit of security amount & approval of guarantee and test certificate.

**10. GUARANTEE PERIOD:** - The **Supplied materials** as per contract specification should be guaranteed for satisfactory, trouble free operation and against any defects, in materials & the workmanship for a period of 18 months from the date of supply of the contract (in full shape) or 12 months from the date on which Materials has been put to service, whichever is earlier by the bidder. But the Manufacturer warranty stands as mentioned in Technical specification in addition to the above guarantee. The above guarantee certificate shall be furnished in triplicate to the undersigned for approval along with contract completion/delivery certificate of consignee. Any defects noticed during the period shall be rectified/replaced by the bidders at its own cost, without any financial burden to OPTCL.

**11. DOCUMENTS & QUALIFICATION:**- The following Xerox copy should be submitted with the tender paper & the same will be verified with original documents at the time of opening of tender. Also the below qualification is required, (Relaxation may be given in experience in situation like unavailability of experienced Firm).

i) **Authorized dealer/Manufacturer.**

ii) Valid GSTIN.

iii) PAN Card

iv) Experience Certificate (priority will be given in tie condition)

**12. ADDITION OR DELETION OF CONTRACT:**- The Contract may be altered in quantum as per exigencies of requirement. The bidder shall accordingly provide services as may be required by the Officer- in - Charge on being given a notice of 15 days.

**13. ARBITRATION:**- In the event of any dispute arising out his contract. The same shall be referred for arbitration to the Director (HRD) OPTCL, Bhubaneswar or any arbitrator appointed by the Chairman- Cum- Managing Director, OPTCL after due notice of claim and such appointment and the award of the arbitrator shall be final and binding arbitration and conciliation Act. 1996 shall apply. The venue of arbitration will be **Bhubaneswar.**

**14. DISPATCH INSTRUCTIONS:**- The materials shall be securely packed and dispatched by rail/Road transport/door delivery basis. In case of dispatch by road transport it should be done only through reputed and licensed carrier agencies.

**15. INSURANCE:**-Transit Insurance of materials shall be arranged by you at your cost. The responsibility of the delivery of the materials at destination In good condition conditions rests with the supplier. Any claim with the insurance company. Railway **authority**/Road transport authorities 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 (thirty) days of the receipt of the materials at destination without waiting for the settlement of the claims with the carriers and under writers

**16. FREE REPLACEMENT:**- Free replacement of materials lost/damaged due to transit shall be made immediately on receipt of the intimation from the consignee/paying officer without waiting for settlement of the claim of bidders with Railway/Lorry/ Insurance Company.

**17. CONSIGNEE:**- The SDO, Grid Sub-Station, Chandikhole .

**18. PAYING OFFICER:**- The DGM, EHT(O&M) Division, Paradeep .

**19. JURISDICTION OF COURT:**- Suits if any, arising against the work order to be issued to the Bidder shall be filled by either party in any court of law to which the jurisdiction of Odisha High Court extends.

**20. TAXES & DUTIES:**-The income tax and any other statutory taxes if any shall be deducted at the prevailing rates.

**SECTION-IV**  
**TECHNICAL SPECIFICATION**

**A. Water Mist-50ltr (Trolley Mounted)**

The trolley mounted configuration shall have water tank, compressed air cylinder and gun mounted on a free moving trolley provided with strong wheels as specified in DIN EN 1866-1:2007-10. The system should operate on Low Pressure & Dual Phase technology.

The supply shall include along with the system, 10 nos O-rings for the pressure vessel, one can of 10 liter AFFF confirming to UL162 , one extra Air Cylinder of 6 ltrs / 300bar, a tool kit, manufacturers test certificate, operation manual and spare parts list.

**Technical Specifications for the procurement of Wheeled Trolley mounted Water Mist + CAF fire extinguishers:**

Sl. No.	Details	Technical Parameters
1	Technology	Water Mist & CAFS Fire Extinguisher with Low Pressure Dual Phase technology
2	Capacity (size)	50 litres (As per DIN EN 1866-1:2007-10 Standards)
3	Water Container Capacity	50 litres
4	Water Cylinder - construction	Non-corrosive Stainless Steel SS-316.
5	Water mist + CAF fire extinguisher Working pressure	05 Bar to 11 Bar
6	Container Bursting pressure	3 times the working pressure (IS 15683)
7	Air Bottle Capacity	6 litres/300 bar
8	Air Bottle - construction	Mild Steel seamless cylinder constructed as per IS-7285.
9	Air Bottle - Working pressure	Max. filling pressure 300 bars at 15°C
10	Hydrostatic Stretch Testing pressure	500 bars
11	Air Bottle - markings	1. Chief Controller of Explosives/model number/serial number / year of manufacture/Chief Controller of Explosives approved valve with built in pressure gauge 2. The serial number on the cylinder shall match with the certificate.
12	Air Bottle - propellant	Compressed normal air
13	Air Bottle - certification	PESO (Petroleum and explosive safety organization)
14	Total weight - Empty Filled	Not more than 54 kg. (Empty) Not more than 105 kg (Water Bottle filled & Air bottle 6 litres / 300 bar air filled)
15	Operating - temperature	Minimum +5 degree to maximum +60 degree Celsius
16	Gun - construction	1. Non corrosive SS metal (dual phase) with external plastic covering, smooth bore, atomizer chamber and mixing chamber. 2. The rating of the high pressure flexible tube shall be minimum 3 times the working pressure.

17	Gun - weight without hose	1.5kg +/- 10%
18	Length of hose	5 meters minimum
19	Gun - working principle	1. Gun shall produce Fine water mist with particles size ranging between 50 to 150 microns + CAFS uniform stable foam bubbles
20	Nozzle Modes	Switch between Jet & Spray modes, interchangeable by twist of the Nozzle without stopping the operation of the gun & flow of water mist.
21	Jet - Lancing Distance	14 Meters or more.
22	Jet - Minimum Discharge duration- Continuous and at full throttle	Min. 100 seconds
23	Spray - Minimum Discharge duration	Min. 100 seconds
24	Consumption of extinguishing agent	0.4 to 0.5 litres per second
25	Turn over from - Jet to spray	Shall not be more than 1 second with a provision of changeover from Jet to spray mode by simple twist of nozzle without disrupting water mist discharge.
26	Water Bottle - Pressure release mechanism to decompress the water bottle	Pressure release mechanism to decompress the water bottle shall be provided for fast refilling
27	Device operation	Shall be suitable for both left and right hand operations
28	Fire extinction - suitability	Class - A Class - B Live Electrical fires - 1000 V as per EN 3-7/IS - 15683 (Tested for 36 kva)
29	System Test : Electrical Test Certificate - With details of test methods	Certification from ERDA as per IS 15683.
30	Fire Rating Certificates:	Certification from NABL accredited Indian Lab as per EN3-7:2004+A1:2007 (test reports not older than 36 months from the date of bidding).
31	Fire Rating Certificates: For Class A	Minimum 55A
32	Fire Rating Certificates: For Class B	Minimum II B
33	Warranty	12 Months
34	Tool Kit	1. "O" rings each size 5 nos. 2. Allen key/flat or star screw driver 3. Monkey spanner 4. Measuring mug - 5 litres 5. Funnel - medium size
35	Documents	1. User manual, 2. Spare parts list, 3. Certificates, 4. Test Reports
36	Spare parts Support	Minimum 10 years



**Qualification Norms :**

1. The bidder should be OEM or its authorised distributor.
2. The authorised distributor has to submit a copy of the MOU with the OEM.
3. There has to be an after sales support agreement also in the MOU.
4. The after sales support commitment from the OEM to the distributor and to the customers of the distributor has to be for a min. of 10 Years.
5. Brand of the equipment and the model no. should be clearly specified in the bid.
6. The bidder must have completed the supply of equivalent or more no. of the same equipment & model to Central government / state government organisations / PSUs during the period of last 12 months from the date of publishing of the Notice Inviting Tender.
7. The customer reserves the right to visit the manufacturing facility in India of the bidders to gauge the quality of production & inspect the product before finalising the order.
8. Annual Turnover of the bidder in last three consecutive years should be minimum 20 crores per financial year / 25 times the bid value whichever is higher.
9. The Suppliers must have supplied the same kind of materials to OPTCL where the Performance must be satisfactory.
10. Preference would be given the OEM who have their Direct Branch Office inside the state to support the Spares for 10 Years.

**PRICE SCHEDULE**

**SUPPLY OF FIRE EXTINGUISHERS FOR GRID S/S CHANDIKHOLE**

**N.B – Rate include all Taxes & Duties for Destination Excluding GST**

<b>SL NO.</b>	<b>Description of Items</b>	<b>Unit.</b>	<b>Qty.</b>	<b>Unit Ex-price in Rs.</b>	<b>GST %</b>	<b>GST in Rs</b>	<b>Total price in Rs. (including GST)</b>
1	Water Kist-Low Pressure using Std. AFFF compound with fire rating 55A,233B,1000V, Capacity 50 Ltrs. (Trolley Mounted)	Nos.	2				

In words: (í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í í .

í í í í í í í í í í í í í í í í í í í í í í í .) Only

**Signature of the Bidder with date**

**SECTION-V**

**DECLARATION BY THE BIDDER**

1. Name of the bidder with í í í í í í í í í í í í í í í í í í í í .  
Detailed postal address with í í í í í í í í í í í í í í í í í í í í í í .  
Contact Number. í í í í í í í í í í í í í í í í í í í í í í ..
  
2. Earnest money deposited vide Cash receipt/ Bank Draft Noí í í í í .Datedí í í í í í í  
Amount in Rsí í í í í í (Rupeesí í í í í í í í í í í í í í í í í í í í í ..) only.
  
3. Tender Paper Purchased vide Cash receipt/ Bank Draft Noí í í í í .Datedí í í í í í í  
Amount in Rsí í í í í í (Rupeesí í í í í í í í í í í í í í í í í í í í í ..) only.
  
4. Xerox copy of PAN: Furnished/ not furnished
  
5. Authorized Dealer/Manufacturer License Furnished/ not furnished
  
6. Xerox copy of GSTIN Registration certificate: Furnished/ not furnished
  
7. Agreed to furnish & accept Contract Security deposit clause: Yes/ No.
  
8. Agreed to accept payment terms as per Tender Specification. Yes/ No.
  
9. Agreed to adhere time period as per the contract: Yes/ No.
  
10. Agreed to accept penalty clause as per the tender: Yes/ No.
  
11. Attach past experience certificate for the similar jobs  
in OSEB/ GRIDCO or any other agencies. Yes/ No.
  
12. Agreed to keep validity of the offer for one year from the  
Date of tender opening without any variations in tender clause: Yes/ No.

Date:  
Place:

Signature of the Bidder  
with seal