



ODISHA POWER TRANSMISSION CORPORATION LTD.
OFFICE OF THE DEPUTY GENERAL MANAGER(ELECT.)
EHT (O&M) DIVISION,BHADRAK.
PO: GELPUR, DIST: BHADRAK, PIN-756181 (ODISHA)
Phone-06784-240269,Email: ehtm.div.bhdrak@optcl.co.in
CIN:U40102OR2004SGC007553

TENDER SPECIFICATION
NO. BDK/04/2020

FOR

SUPPLY OF CAF BASED FIRE EXTINGUISHERS FOR GRID S/S BHADRAK.

SALE OF TENDER SPECIFICATION: DT. 02-03-2020 (From-10.30AM)
LAST DATE SALE OF TENDER SPECIFICATION: DT. 11-03-2020 (Upto-12.30PM)
LAST DATE OF SUBMISSION OF TENDER: DT. 11-03-2020(By- 02.00PM)
DATE OF OPENING OF TENDER: DT. 11-03-2020(On-3.30PM)
COST OF TENDER PAPER: **RS 2000.00+12% GST (Rs2240.00)**

ISSUED TO,

BIDDER NAME:-
ADDRESS:-
DISTRICT:-
PIN No.:-

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SECTION-I



ODISHA POWER TRANSMISSION CORPORATION LTD.
(A Government of Odisha Undertaking)
Regd. Office: Janpath, Bhubaneswar-751022, Odisha
OFFICE OF THE DEPUTY GENERAL MANAGER(ELECT) EHT (O&M) DIVISION,
BHADRAK,PO: GELPUR, PIN-756181, DIST: BHADRAK (ODISHA),Phone-06784-
240269(off),[Email-ehm.div.bhdrak@optcl.co.in](mailto:ehm.div.bhdrak@optcl.co.in)
CIN:U40102OR2004SGC007553

TENDER CALL NOTICE NO. BDK/04/2020

The Deputy General Manager (Elect.), E.H.T. (O&M) Division, Bhadrak invites sealed Tenders in duplicate from reputed **Authorized dealer/Manufacturer** for Supply of Compressed Air Foam (CAF)based Fire Extinguishers for Grid S/S Bhadrak.

The tender specification can be obtained from the office of The DGM EHT (O&M) DIVISION, Bhadrakon payment of **Rs. 2000/-(TwoThousand only)**+GST @ 12%(Non Refundable) in shape of Cash/Bank Draft in favor of EHT (O&M) DIVISION, BHADRAK payable atBHADRAK on any working days from **Dt.02-03-2020 to Dt.11-03-2020 by 12.30PM**.In case the DD made any bank payable at any clearing branch at Bhadrak will be allowed, but the bidders have to deposit the collection fee(Bank transaction fee) along with the paper cost. The collection fee& Paper cost is Non-refundable. 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 responsible for any postal delay.

The Tender shall be received Up to 02.00 PM of dated 11.03.2020& will be opened at 03.30PM of same day in the Office of the undersigned in the 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. One Tender paper shall be issued to one Bidder. E.M.D @ 1% of the total quoted value should be deposited in shape of Demand Draft in favour of E.H.T. (O&M) Division, Bhadrak& payable at Bhadrakalong 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 envelop, 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.

DEPUTY GENERAL MANAGER(ELE.)
EHT (O&M) Division, Bhadrak

Energy is precious. Save it.

SECTION-II

INSTRUCTIONS TO BIDDER

1. The contract shall be valid only for a period of 06 (Six) months 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 Deputy General Manager (Elect.), E.H.T. (O&M) Division, OPTCL, Bhadrak.

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 Bhadrak.

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 Bhadrak under EHT (O&M) Division, Bhadrak**”. 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 Deputy General Manager (Electrical), E.H.T. (O&M) Division, Bhadrak 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 180 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, BHADRAK payable at Andhra Bank, Bhadrak otherwise tender will be out rightly rejected. In case the D.D made any other nationalized bank payable at any clearing branch at Bhadrak will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the EMD. The collection fee is Nonrefundable & It can't be taken into account of EMD deposit. 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 ACCEPTANCE OF ORDER:- The bidders whose offer qualifies for acceptance will be awarded **Purchase order for supply of materials**, the bidder shall have to deposit security amount equal to 10% (ten percent) of contract value in shape of cash/bank guaranteed drawn in favour of paying officer, of OPTCL within 15 days for acceptance of Order **OR** letter to the undersigned for deduction of 10% from the Bill towards Security Deposit. 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 60 days from date of placing order. If the work could not be completed within scheduled date due to any valid reason, then Schedule period may be extended on written request by the Bidder. Else the penalty should be imposed as per clause **No.08 of SECTION-III**.

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 be delivered within the specified date in **SECTION –III, clause-7**. However imposition of penalty clause is subject to force majeure condition.

9. TERMS OF PAYMENT: - 100 % (one hundred percent)[Against Security Deposit Only] Or 90% (Ninety Percent) [if no Security Amount deposited] payment along-with full taxes and duties (if any) shall be made after successful completion of the contract in all respect and verification reports based on actual quantity or JMC (if required) thereof by respective consignee and Paying Officer and on receipt of funds from Head Office in this regard. After completion of the contract, the bidder shall have to produce the printed bills to the respective consignee/Paying Officer for effecting payment.

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 of 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, Bhadrak.

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

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 Trolley Mounted 50L Water Mist + CAFS Fire Fighting Systems.		
Sl. No.	Details	Technical Parameters
1	Technology	Water Mist & CAFS
2	Capacity (size)	50 Liters As per DIN EN1866-1:2007
3	Working Pressure	Upto 11 bars
4	Water cylinder Capacity	50 liters
5	Water Cylinder - construction	Non-corrosive Stainless Steel SS-316.
6	Water Cylinder - Working pressure	05 to 12 bars
7	Water Cylinder - Testing pressure	Not less than 1.5 times the working pressure
8	Water Cylinder external paint	The cylinder should be of red color with powder coating. The paint should confirm to IS:5:2007 Shade 538
9	Safety valve opening pressure	1.5 Times working pressure
10	Trolley	As per DIN EN1866-1:2007
11	Air Bottle Capacity	6.0 liters/300 bar
12	Air Bottle - construction	Seamless Mild Steel Cylinder
13	Air Bottle - Working pressure	300 bars
14	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.
15	Air Bottle - propellant	Compressed normal air
16	Air Bottle – certification	PESO (Petroleum and explosive safety organization) Chief Controller of Explosives – Nagpur
17	Total weight Filled	Not more 105 kg (Water Bottle filled & Air bottle 6.0 liters / 300 bar air filled)
18	Operating/Working pressure	Not more than 11 Bars
19	Operating - temperature	Minimum +5 degree to maximum +60 degree Celsius
20	Gun - construction	1. Non corrosive SS metal (dual phase) with external plastic covering, smooth bore, atomizer chamber and mixing chamber.

21	Gun - weight without hose	Should be 1.5 kg. ± 10%
22	Gun - working principle	An air atomizer chamber / mixing chamber present in the gun. Two inlets to the gun chamber, one carries water pressurised at ≤ 12 bars from the water vessel & the other carries pressurised air from the compressed air cylinder to the gun.
23	Nozzle Modes	Jet & Spray
24	Jet - Lancing Distance	15 meters (variance of upto -5% & + no limit)
25	Jet - Minimum Discharge duration- Continuous and at full throttle	more than 100 seconds
26	Spray - Minimum Discharge duration	more than 100 seconds
27	Consumption of extinguishing agent	0.4 to 0.5 liters per second
28	Turn over from - Jet mode to spray mode by twisting of nozzle	Time taken shall not be more than 1 second with a provision of changeover from Jet to spray mode and vice versa by simple twist of nozzle without disrupting water mist discharge.
29	Water Bottle - Pressure release mechanism to decompress the water bottle	Pressure release mechanism to decompress the water bottle shall be provided for fast refilling
30	Device operation	Shall be suitable for both left and right hand operations
31	Fire extinction - suitability with standard AFFF 6% confirming to IS 4989 or UL 162 or EN 1568-3-2008 standards	Class - A Class - B Live Electrical fires
32	System Test : Electrical Test Certificate - With details of test methods	1000 V as per EN 3-7 / IS - 15683 (Tested for 35 kva)
33	Product Certificates:	Certification from any NABL accredited Lab (tested in Indian condition) / National Test House as per DIN EN1866-1:2007 Test report shall be enclosed along with the offer.
34	Fire Rating Certificates with standard AFFF 6% foam: For Class A	Minimum 55A
35	Fire Rating Certificates with standard AFFF 6% Foam: For Class B	Minimum IIB
36	PED certification	The product should be PED certified to PED 2014/68/EU, ANNEXIII(MODULE H)
37	PESO Licence	The supplier should have a licence from PESO for refilling & storage of high pressure gas cylinders.
38	Warranty	3 years
39	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 has their Direct Branch Office inside the state to support the Spares for 10 Years.

PRICE SCHEDULE

SUPPLY OF FIRE EXTINGUISHERS FOR GRID S/S BHADRAK
N.B – Rate include all Taxes & Duties for Destination Excluding GST

SL NO.	Description of Items	Unit.	Qty.	Unit Ex-price in Rs.	Total Ex-price in Rs.
1	Water Mist(CAFS)-Low Pressure using Std. AFFF compound with fire rating 55A,233B,1000V,Capacity 50 Ltrs. (Trolley Mounted)	Nos.	2		
2	Add GST @ 18% on SI-1				
GRAND TOTAL (SI No. 1 + SI No. 2) Or Say					

In words: (.....)

.....) Only

Signature of the Bidder with date

SECTION-V

DECLARATION BY THE BIDDER

1. Name of the bidder with
Detailed postal address with
Contact Number.

2. Earnest money deposited vide Cash receipt/ Bank Draft No.....Dated.....
Amount in Rs.....(Rupees.....) only.

3. Tender Paper Purchased vide Cash receipt/ Bank Draft No.....Dated.....
Amount in Rs.....(Rupees.....) only.

4. Xerox copy of PAN:Furnished/ not furnished

5. Authorized Dealer/Manufacturer LicenseFurnished/ not furnished

6. Xerox copy of GSTINRegistration 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