

**DHANBAD COLLECTORATE,DHANBAD
(REVENUE SECTION)**

TENDER ITEM

- 1- Emergency Rescue Stretcher.**
- 2- Personal Diving Kit (Diving suit, breathing apparatus, weight belt, gloves, dive fins)**
- 3- High Pressure Water Mist Spray With CAFS(Fire Exting)**
- 4- RESUSCITATION APPARATUS**
- 5- Hydraulic Self Contained Combination Tools**
- 6- Self Contained Breathing Apparatus Open Circuit.**

TENDER DOCUMENT FOR RESCUE EQUIPMENT

Instructions for Bidder and Terms and conditions of Contract for Submission of Tender.

1) Receipt and opening of Tender (a) Last date and time for receipt of tender Date: 18th February 2015 Time: 01:00 Hrs (b) Date and time of opening Technical Bid Date: 18th February; 2015 Time 2.00P.M. The offer shall be addressed to the Deputy Commissioner, Dhanbad, Jharkhand 826001. The Tender should be submitted in two parts i.e. Technical bid and Commercial bid. Both the envelopes should be sealed in separate cover before sending in a common envelope marked with the words "TECHNICAL BID" which should be written clearly and prominently on this envelope along with Tender Number, Name of Stores & Date of opening.

A. Technical bid should consist of:

- i.** All the relevant information asked in the General conditions of Contract and the Specification proposed to be supplied.
- ii.** Income Tax clearance certificate, details of financial standing of the firm in Support of their claim they should submit performance Statement for the last 3 years, with Registration number and date etc., as per the attached format
- iii.** The infrastructure available for up-keep of the System during contract period.
- iv.** Compliance statements in respect of technical specification
- v.** The catalogue technical literature, drawing etc should be enclosed along with tender
- VI.** Relevant test/approval certificate to be attached
- Vii** **A.EMD /Security Deposit 2% of quoted price as specified at Sl. no.3 & 3A**

B. The Commercial bid should consist of :-

- i.** The price bid and commercial bid will be depend on the same one after then other.
- ii.** The contract price shall also include Excise Duty, Sales Tax, any other State or Central government taxes, duties including supply, installation and commissioning as applicable at time of the Supply of goods should be indicated separately in the offer itself.
- iii.** The post warranty annual maintenance charges should be quoted separately.

iv. The words 'COMMERCIAL BID should be written clearly and prominently on this envelope along with Tender Number, Name of Stores & Date of Opening.

Note: Full name and status of the person signing the tender documents must be clearly mentioned In the Tenders.

C. The technical bid will be opened in the presence of the tenderer/tenderer's representatives. The Commercial bids of the technically qualified tenderers will only be opened at a later date which will be communicated to them.

D. Octroi Charges: The Octroi exemption certificate if any will be issued by the department as the Government goods are exempted from the payment off Octroi Charges.

E. Transit Insurance: Transit Insurance for the goods has to be arranged by the supplier and the insurance charges should be borne by the supplier.

F. Validity: The prices quoted must be static during the tenure of the contract and the offer must remain valid for at least 6 months from the date of opening of the tender. Offer with a validity of less than 6 months will be liable for rejection without any further reference /correspondence.

G. Lost offers: Late/delayed offers, Telegraphic offers and incomplete offers are liable to be rejected. Any Late/Delayed offers received or in postal delay in receipt of tender shall not be opened.

3. Earnest Money/Security Deposit:

The earnest money @ 2% of quoted price as per Para 2 (A)(vii) should be submitted along with offer in the form of Crossed Bank Draft / Bank Guarantee of any Nationalized Bank. drawn in favour of the DEPUTY COMMISSIONER, DHANBAD payable at DHANBAD should be accompanied with technical bid as otherwise the offer may be treated as invalid. Earnest money deposit by way of cash deposit or in any other form will not be entertained. The Bank Draft/Bank Guarantee should be valid for 6 months The firms/ bidders those who are registered with Central Purchase Organization (e.g. DGS&D), National Small Industries Corporation or the concerned Ministry / Department shall be exempted from submission of EMD subject to the production of a copy of valid registration certificate duly attested.

Note: Any tender not accompanied with earnest money in any one of the approved forms acceptable to the purchaser shall be rejected.

i. Earnest Money Deposit: The earnest money without interest will be returned to the unsuccessful tenderer(s) within the validity period. The earnest money of successful tenderer will be retained / treated as part of Security Deposit. The Security Deposit will be released after one year of completion of the contract i.e. after one year receipt of installation/commission at purchaser's site.

ii. Performance Bank Guarantee: The successful tenderer shall be required to submit a Performance Bank Guarantee @ 5% of billing amount drawn in favour of the DEPUTY COMMISSIONER, DHANBAD and payable at DHANBAD which should be valid for one year from the dale of commissioning/ installation of the equipment.

4. Terms of Payment: 100% Payment within 45 days against the pre-receipted bill after receipt of item in full and good condition, after their successful commissioning/ installation of the equipment and The supplier has to arrange operational and maintenance training of equipment at Fire Service/concerned office Dhanbad for staff at their own cost for a period of at least two weeks or more if required.They have to be submit a certificate that they have trained such persons for operational and maintenance training.

5. Inspection: Wherever necessary, Stage Inspection of the stores shall be carried out at manufacturer's/ Suppliers place as decided by the Administrative authority. After the material is received at Fire Service Station,Dhanbad, it shall be subjected for final inspection. Deputy Commissioner or his authorized officers shall have full powers to reject all or any portion which he

considers defective or inferior in quality of material. Any portion of the contract work so rejected shall have to be replaced by the supplier at his own expense. If in the opinion of the Inspecting Authority, the defects in the said material can be rectified, the supplier shall rectify at his own expenses and resubmit the rectified materials for inspection.

6. Dispatch Instructions: The consignment should be dispatched on door delivery and freight paid basis to the Fire Service Office/concerned office Dhanbad, as per supply order. Unloading/handling and transport of consignment in the storage shed of the purchaser has to be arranged by the supplier and not by the purchaser.

7. Delivery Period:

i. The delivery date is the essence of the contract and suppliers shall therefore, complete the contract works within the stipulated time specified in the contract. The purchaser shall not accept partial delivery of them.

ii. The equipment should be supplied within 15 days from the receipt of the confirmed supply order.

iii. In case the execution of the contract work may be delayed for any reasons beyond the control of the supplier, the supplier should obtain well in advance the concurrence of the Deputy Commissioner in writing, for extension of delivery date. However, this solely depends upon the Deputy Commissioner who has full authority to reject the request for extension of date.

8. Liquidated Damages: In case the supplier defaults in delivery and the supplier does not explain the position to the purchaser well in time and the purchaser has not accepted any extension of delivery period, the purchaser may forfeit security deposit. Deputy Commissioner reserves the right to claim damages of the goods supplied by the vendor even if the goods were inspected by the purchaser, prior to receipt at site **9. Guarantee / Warranty:** Except as otherwise provided in the invitation to the tenders the contractor hereby declares that the goods/ stores/articles sold/supplied to the purchaser under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specifications and particulars contained/mentioned in the contract. The Contractor hereby guarantees that the said goods/stores/ articles would continue to conform to the description and quality aforesaid for a period of twelve months, from the date of delivery of the said goods /stores/articles to the purchaser and notwithstanding the fact that the Purchaser(Inspector) may have inspected in and/or approved the said goods/stores/articles, if during the aforesaid period of 12 months the said stores/goods/articles be discovered not to conform to the description and quality aforesaid or not giving satisfactory performance or have deteriorated, the decision of the purchaser in that behalf shall be entitled to call upon the contractor to rectify the goods/articles/stores or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser at his discretion on an application made thereof by the contractor and in such an event the above mentioned warranty period shall apply to the goods/stores/articles rectified, from the date of rectification thereof. In case of failure of the contractor to rectify or replace the goods etc., within specified time, the purchaser shall be entitled to recover the cost with all expenses from the contractor for such defective stores.

i. Guarantee that they will supply spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be and including but without any limitation on agreed discount on the published catalogue or on agreed percentage of profit on the landed cost.

ii. Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment, so that the latter may undertake necessary pre cautions.

iii. Warranty to the effect that they will make available the blue prints of drawing of the spares if and when required in connection with the main equipment.

10. Other General Terms and Conditions:

i. if tenderers are the authorized distributors of the Manufacturers, they are requested to enclose Photostat copy of the letter of their manufacturer appointing them as authorized distributor for marketing their product, duly attested.

ii. The tenderers should clearly state in their offer that they/their principals possess valid license required under the Industrial Development & Regulation Act.1981, wherever applicable and necessary, for material offered by them and also furnish the same.

iii. Packing list must contain item wise list of contents of each package, case, carts, quantity dispatched etc. Each package shall be numbered consecutively to indicate individual and total packing i.e. 1 of 2.2, etc.

iv. All fax, telex, telegram, messages/e-mail from supplier to Deputy Commissioner shall be confirmed by register post.

v. Each page of the offer shall have to be signed and stamped by the tenderer and process should be indicated in figure and words.

vi. In case of conflict in interpreting the conditions of the documents forming part of this enquiry, the decision of the Deputy Commissioner, Dhanbad shall be final and binding and accepted by the vendor.

vii. All questions, disputes or differences arising in connection with contract shall be subject to the executive jurisdiction of the courts at Dhanbad.

viii. The Department reserves the right to alter the quantity, procure items in part or reject any or all tenders or to extend the date of opening etc.

ix. Cancellation: In addition to his right to determine the contract upon fault of the vendor, the Deputy Commissioner reserves the right to cancel the contracts any time in whole or in part without assigning any reasons and the purchaser also reserves the right either to pay or not to the vendor for either part of the contract work executed, if they are not according to the purchaser's specification and complete satisfaction.

x. Income Tax and Sales Tax Clearance Certificate must be furnished with the tender.

xi. The vendor should indicate warranty period of one year from the date of installation. Replacement of defective items will be born by the vendor at his own cost in case of any manufacturing defects. The vendors should also indicate Post Warranty Annual Maintenance Contract Service Charges.

xii. The price bid should indicate the details as per the enclosed bid sheet Performa.

xiii. On breach of any terms and conditions of the contract, by the contractor/tenderer the Deputy Commissioner shall have the right to terminate the contract and to forfeit the EMD/Security deposit. Further in the event of termination of the contract, the contractor shall have no claim for any compensation for loss in respect of any article or material collected or arrangement made by them.

xiv. **Penalty Clause:** The equipment must be supplied within stipulated period from the date of supply order, falling which penalty shall be deducted from the bill of the supplier @ ½% per week of the cost of undelivered material subject to a maximum limit of 10% of the cost of work. Any reason/excuse will not be accepted.

11. Additional Requirements:

- i. The supplier has to arrange operational and maintenance training of equipment at Fire Service office Dhanbad for staff at their own cost for a period of at least two weeks .
- ii. Detail specification should be furnished for the item offered.
- iii. A complete list of option utilities along with Specification and cost should be given
- iv. Installation and satisfactory operation of the equipment will be the responsibility of supplier.
- v. Adequate provision in respect of free services, warranty, up-gradation, maintenance and other facilities should be specified along with the technical bid.

12. Important Note: During the warranty period Stand by unit shall have to be arranged by the supplier if the unit could not be repaired within 24 hours of breakdown of the equipment, failing which the amount of Performance Bank Guarantee shall be forfeited.

13. The material supplied should be of standard technical specifications.

14. The purchaser shall have the liberty to choose more than items specified in the NIT subject to availability of fund.


12/02/15
Deputy Commissioner,
Dhanbad

TENDER ITEM AND THEIR SPECIFICATIONS-

**1- Emergency Rescue Stretcher.
Specifications-**

The Stretcher should have following features:-

- a) Foldable and compact with built-in flotation.
- b) Color coded patient restrain straps with double locking Quick release safety buckles and built in head restraints system.
- c) Corrosion resistant stainless steel frame with cover and case.
- d) Vertical hoisting sling.
- e) Individual replacement components.
- f) Weight should not be more than 20 Kgs.

2- Personal Diving Kit (Diving suit, breathing apparatus, weight belt, gloves, dive fins) Specifications

SPECIFICATION OF BREATHING APPARATUS SET (DIVING KIT)

- 1 The diver wet suit proposed is for use by the divers operating underwater, which can be easily seen whilst on the surface of water.
The basic design should be of one piece with sleeves up to the length of arm and the portion below torso up to ankle level (Below Knee)
- 2 The wet suit provided should be without hood. As far as possible the suit to have a cut designed to avoid under arm-seams.
- 3 The lower part of the suit is to be entirely non- magnetic.
- 4 As far as possible, the suit is to be entirely non-magnetic.
- 5 The diver should be able to don the suit very easily and feel comfortable.
- 6 The above wet suit should be made from macro cellular neoprene with
- 7 **DESCRIPTION OF BOOT DIVER NEOPRENE (DIVER'S SOCKS)**
The socks used in conjunction with above - mentioned wet suit should be made from double lined neoprene with non-slip sole, which reduces, wear and prevents sliding on wet or slippery surfaces. Thickness of the socks should be 3 mm.

SPECIFICATION OF WEIGHT BELT, DIVE FINS, GLOVES

1. WEIGHT BELT

ROLE

1. To attached lead weights of 1 Kg (04 numbers) to a diver to adjust buoyancy during a diving operation.
 - i) Waist belt made of polypropylene/ nylon fabric should have a quick release non- breakable buckle of plastic / fiber / non-corrosive soft metal of adjustable size of tightening.
 - ii) Four polypropylene fabric pouched molded to the weight belt to put weights of 1 Kg (04 numbers) inside. The pouch opening independently on top to have button mechanism/Velcro.
 - iii) The belt should be of adjustable 30" - 45" range in length, 3 mm thick and 2" broad (approx).
 - iv.) Colour: Black
 - v) Weight - Kg lead (04 numbers).

2. SPECIFICATION OF FINS SWIM (DIVE FINS)

Assist Diver in hands free swimming on surface and underwater. These fins are for use during Combat / long distance/ against current.

- I) **Description** - Colour black. Length not less than 17", Width not less than 4" (top) and 8.8" (Bottom). Dimension tolerance +
 - ii) **Material** - Thermoplastic rubber/ Natural rubber. Should not skid even on a wet metal deck.
 - iii) **Hydrodynamic shape** - The shape of the fin to facilitate :-
 - a) Max propulsion whilst swimming in water using flutter and frog kick.
 - b) Suitable for swimming for long duration without causing undue fatigue.
 - iv) **Shoe Pocket** - Pocket should be 7" - 8" deep with an adjustable back strap (not less than 1.5 inch in width). Inner part should be made of soft rubber for use with bare feet. One additional back strap should be supplied with the fins.
 - v) **Buoyancy** - Approximately 10% negatively buoyant.

SPECIFICATION OF GLOVES (DIVING KIT)

- I) Gloves should be made of neoprene
- ii) The Palm of the Gloves should be not less than 5 mm
- iii) The thickness should be not less than 5 mm
- iv) Gloves should be suitable at a depth of not less than 50 Mtrs.

3- High Pressure Water Mist Spray With CAFS(Fire Exting)

Specifications-

(a) A pressure vessel to hold the media with safety valve, a compressed air cylinder coupled with a reducer hose pipes for discharge of water mist media and extinguishing gun are the main components in the configurations covered in the specification. The system uses a mixture of water and aqueous film foaming foam(AFFF) as media. Compressed air used as propellant for the media through nozzle where atomization takes place.

(b) These systems shall be provided with universal cylinder holder to hold the cylinder so that the user can have flexibility to use 200 bar and 300 bar cylinders.

(c) The backpacks shall conform to EN 3-7:2004+A1:2007 standards as applicable for portable Type fire extinguishers and fire ratings shall be tested accordingly except for the deviations in weight (which is in excess of 20 Kg). the nominal charge/ Capacity(which are specifically mentioned in this Specification) and the safety feature as specified in Para 10-3 (second sub Para) of EN3-7 regarding Manual attempt to initiate discharge without releasing the safety device; as the backpack is a different type of configuration from the conventional portable fire extinguishers.

(d) The air cylinders and pressure vessels shall comply with Gas Cylinder Rules 1984 and shall be supported by manufacturers test certificate. No objection certificate or approval as applicable from petroleum and Explosive Safety Organization(PESO) Nagpur shall also be furnished.

(e) All system shall be designed for maximum operating temperature T_{Smax} and minimum Operating temperature T_{Smin} of 60 deg C or more and 5 deg C or less respectively and certified by the Manufacturer accordingly.

(f) The complete system shall be tested from an internationally accredited laboratory for Compliance to EN 3-7:2004+A1:2007(E) for backpack configurations specified fire rating shall also be tested from such laboratory for all applicable clauses mentioned in the standard.

(g) For system built from imported SKD kits the test report as above on OEM products with Fire rating test report from a reputed Government institution like CBRI Roorkee,ERDA on the Product assembled in India after value additions will also be acceptable, in such cases the suppliers shall clearly indicate the value additions made by them in India and shall furnish specific consent of the OEM For the value additions made along with a confirmation that fire rating of the equipment would not be Affected by these additions.

4- TECHNICAL SPECIFICATION FOR RESUSCITATION APPARATUS

1. It should be D.G.M.S Approved, latest developed and confirming the BIS norms =IS 13366:1992 amended till date, suitable for underground use.
2. The valve housing should be constructed of such material that the functioning mechanism is readily visible to the operator that complies the BIS norms= IS 13366: 1992 amended till date.
3. Inspiratory : Expiratory phase time ratio i.e. I: E = 1:2
4. Cylinder, Pin Index Valve, pressure regulator etc. should be of Yoke type valve connection confirming the BIS norms=IS 13366:1992 amended till date.
5. The body of the mask should be transparent to allow the operator to observe the patients nose and mouth for breath condensation as evidence of breathing and also for the possible appearance of vomits confirming the BIS norms = IS 13366: 1992 amended till date .
6. **Oxygen Compatibility:** - All resuscitator should be compatible with and resistant to ignition with O₂ concentration and pressure to which the component is exposed.
7. It can be applied on an unconscious / conscious patient whose breathing is feeble in unattended position.
8. It should be hand held pneumatically powered, time volume cycle, intermittent positive pressure type and should be kept in robust carry box.
9. Apparatus should have capability to use in underground in Oxygen deficient, irrespirable as well as smoky atmosphere.
10. There should be an arrangement of adjustment of tidal volume so that it can be applied on adult as well as on children.
11. There should be an arrangement of C.P. R System of resuscitation and CPR can also be applied efficiently during patient transport.
12. Duration of gas supply shall not be less than 40minutes.
13. Maintenance of apparatus should be easy and during washing there should be less no of parts to be dismantled.
14. There should be an arrangement to supply Oxygen from distance place (approx 9m if required).
15. There should be an arrangement of warning system if patient is not breathing.
16. There should be an arrangement of secretion of saliva, mud, blood, vomited material etc., which may choke the airway.
17. Function of relief valve should confirm BIS norms=IS 13366:1992.
18. Operating and Storage temperature range should be = up to 60⁰C.
19. All accessories of apparatus should be supplied with each set of apparatus.
20. Successful tenderer will supply one complete set of reviving (resuscitating) apparatus for demonstration at user end .
21. **Training/ Service / Guarantee / Warranty etc.:-**
 - a Supplier shall supply operation, maintenance manual in English published by the manufacturer and translated version in Hindi.

- b Supplier shall provide training to the personnel of Rescue Services.
- c The supplier must have a **local set-up** for providing- **aftersale-service**
- d The supplier shall give 2 years warranty/ guarantee of apparatus after commissioning of same, but in the case of reducer / regulator such guarantee shall be of 6(Six) years and for cylinder such guarantee shall be of 9 (Nine) years after commissioning of the apparatus.
- e The supplier shall give further 2 years guarantee for proper functioning of reducer after overhauling.
- f Supplier shall ensure easy availability of spares and services till the life of equipment.

5- **Technical Specification for Hydraulic Self Contained Combination Tool**

- (a) The rescue tool shall be designed for spreading, cutting during Fire & Rescue Operation.
- (b) It shall be hydraulically operated, lightweight and capable of being operated by one person.
- (c) The rescue tool shall be independent from any outside power source and be operated only by a hand lever integrated in the tool itself. The operation shall be possible by the same person who holds the tool.
- (d) The head of the rescue tool should rotate 360 Deg. and should be locked in any desired position.
- (e) Spreading distance at the tips should not be less than 255 mm.
- (f) Cutting capacity in the recess shall be able to cut 25mm steel bars.
- (g) The maximum cutting force shall not be than 29 tons.
- (h) Weight of ready to use unit with shoulder strap should not be more than 11.kg.
- (i) The blades shall be impact free cutting design to overcome the flying of metal pieces during cutting process.
- (j) The tool shall be capable of working under extreme conditions, high dusty environment, high humidity & a temperature. The tool shall be capable of working also in under water conditions.
- (k) The hand level for the operation of the tool shall be positioned in such a manner to allow a stress-free, easy and safe operation of the tool in any desired position. The hand level shall be fixed on the tool body.
- (l) The tool shall be equipped with a shoulder strap for safe and transportation.
- (m) The cylinder body and housing should be made of high strength aluminium alloy with wear resistance surface.

6- **Self Contained Breathing Apparatus Open Circuit.**

Specification- For this item specification is not published. It would be depend on Tender Committee to choose whatever useful. So, any can fill tender with their equipment specifications.


12/02/15
Deputy Commissioner,
Dhanbad