

राज्य आपदा रिस्पॉस फोर्स,बिहटा,पटना
(आपदा प्रबंधन विभाग),बिहार

अल्पकालिक पुर्न निविदा आमंत्रण सूचना सं0-27 / 2016

1. विभाग का नाम—राज्य आपदा रिस्पॉस फोर्स,बिहटा,पटना।
2. विज्ञापन दाता का नाम और पता —समादेष्टा, राज्य आपदा रिस्पॉस फोर्स (आपदा प्रबंधन विभाग), **Opposite IIT Campus and adjacent to HPCL,Lai Road** बिहटा, पटना ।
3. निविदा प्राप्ति की तिथि एवं समय — 09 सितम्बर 2016 (शुक्रवार) 11:00 बजे।
4. निविदा खोलने की तिथि एवं समय — 09 सितम्बर 2016 (शुक्रवार) 12:00 बजे।
5. निविदा जमा करने का स्थान — **Emergency Control Room ,**
आपदा प्रबंधन विभाग,
पुरानी सचिवालय,पटना,बिहार—800015
6. कय किये जाने वाले उपकरणों/सामग्रियों का ब्योरा ।

द्रमांक	मद का नाम एवं गुण स्तर	खरीद की मात्रा (अदद में)
1.	BA SETS LIGHT WEIGHT WITH SPARE CYLINDERS	36 Nos

निविदा के नियमों की जानकारी के लिए राज्य आपदा रिस्पॉस फोर्स से कार्यालय अवधि के दौरान सम्पर्क किया जा सकता है इसे आपदा प्रबंधन विभाग, बिहार की वेबसाइट www.disastermgmt.bih.nic.in तथा पी0आर0डी0, बिहार की वेबसाइट पर भी देखा जा सकता है।



(Handwritten Signature)
समादेष्टा
एस0डी0आर0एफ0
बिहटा, पटना

राज्य आपदा रिस्पॉस फोर्स,बिहटा,पटना
(आपदा प्रबंधन विभाग),बिहार

अल्पकालिक पुर्न निविदा आमंत्रण सूचना सं० -27 / 2016

1. विभाग का नाम-राज्य आपदा रिस्पॉस फोर्स, बिहटा,पटना।
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6. क्य किये जाने वाले उपकरणों/सामग्रियों का ब्योरा-

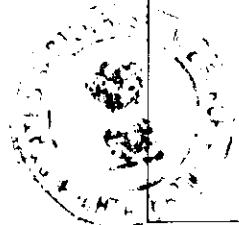
क्रमांक	मद का नाम एवं गुण स्तर	खरीद की मात्रा (अदद में)
1.	BA SETS LIGHT WEIGHT WITH SPARE CYLINDERS	36 Nos

Name and Singature of tenderer with
Stamp



SPECIFICATION OF BA SETS LIGHT WEIGHT WITH SPARE CYLINDERS

Model	Qualitative Requirements	Qty
Breathing Apparatus	<p><u>GENERAL REQUIREMENT</u></p> <p>The compressed air breathing apparatus shall be so designed so that the wearer can breathe comfortably, without any risk of poisonous gases entering the breathing circuit. The breathing circuit should be so designed so that there is optimum utilization of compressed air stored in the cylinder during Fire Fighting and rescue operations. The set as a whole shall be so designed so that the handling of the set is easy and does not cause any damage to the set. Set shall be capable of being used with cylinders having working pressure up to 300 bar at least. The BA set should have no air losses. No toxic matter can enter the mask back plate should be ergonomically designed for comfort and stability and there should have provision of connection between wearers.</p> <p><u>MATERIAL</u></p> <p>All the materials used in the construction shall have adequate mechanical strength, durability and resistance to deterioration by heat or by contact with seawater or plain water. Such materials shall be antistatic and fire resistant as far as practicable.</p> <p>Exposed parts excluding cylinders, that is, those, which may be subject to impact during practical performance tests, shall not be made of magnesium, titanium, aluminum or alloys containing such proportions of these metals which on impact give rise to frictional sparks capable of igniting flammable gas mixtures.</p> <p>Materials that may come into contact with the skin shall be non-staining soft, pliable and shall not contain dermatitis substances.</p> <p>The apparatus shall be sufficiently robusted to withstand the rough usage; it is likely to receive in service and designed so that it will continue to function satisfactorily while temporarily accidentally submerged in water at a maximum depth of one meter and thereafter until the air in the cylinder is exhausted.</p> <p><u>SEPARATION OF PARTS</u></p> <p>The design and construction of the apparatus shall permit its components parts to be readily separated for cleaning, Examination and testing. The couplings required to achieve this shall be readily connected and secured, where possible by hand, and means for sealing used shall be retained in position when the joints and couplings are disconnected during normal maintenance.</p> <p><u>ADJUSTABLE PARTS</u></p> <p>All parts requiring manipulation by wearer shall be readily accessible and easily distinguishable from one another by touch. All adjustable parts and controls shall be so constructed that their adjustment is not liable to accidental alteration during use.</p> <p><u>WEIGHT</u></p> <p>The weight of the apparatus shall not exceed 14 Kg. The Cylinder used for compressed air should have the approval of Chief Controller of Explosive.</p> <p><u>LEAK TIGHTNESS</u></p> <p>The apparatus shall be of positive pressure type so as to prevent ingress of the external atmosphere. There should be not leakage from any joint.</p> <p>Air line connection and second user connection and inlet cum-outlet shall be provided on the pressure reducer for attaching, airline connection for second user connection.</p> <p><u>FACE MASK</u></p> <p>The face mask should be made either of Neoprene or Silicone. The air inlet valve should connect to the mask by simply clipping it on the enable wearer to switch on the positive pressure at the last minute.</p> <p>Face mask shall cover the eyes, nose, mouth and chin, it shall be provided with an additional flap for providing adequate sealing on the face of the wearer of the breathing apparatus against the outside gas,</p>	36 Nos



when the skin is drying or moist, when the head is moving and when the water is peaking.

The face mask shall have an inner mask to reduce misting and dead space so that the mask is always remain centered.

Face mask shall be secured to the face by means of an adjustable, /replaceable head harness and they shall be fitted with a neck strap to support them when not being worn. There shall be five head harness but one strap i.e. the top one should be prefixed. Means for speech transmission shall be incorporated and so designed that it is in front of the mouth.

The face mask shall be constructed of silicon rubber in order that it is soft, light in weight, comfortable to the wearer to wear for long duration, resistant to chemicals and heat, thus having longer life. The connection for demand valve shall be provided in front of the Face Mask. The visor shall be made of clear polycarbonate.

FACE CONNECTOR

The connection between the face mask and the demand valve shall be of Click-on/Push fit type well secured so that, the set is having fully automatic positive pressure, there is optimum utilization of compressed air stores in the cylinder and the mask by mistake is not used with a filter canister.

HEAD HARNESS

The head harness shall hold the face mask firmly and comfortably in position. It shall be molded from silicon rubber. It should be easily detachable for cleaning and decontamination. There shall be five quick release harnesses out of which only 4 shall need to be tightening with the s" i.e. top one shall be prefixed to ensure quick donning and center placing of the mask while wearing.

BODY HARNESS

The body harness shall be designed to allow the user to done the apparatus quickly and easily without assistance and shall be adjustable for fit. Buckles fitted to waist and shoulder harness shall be so constructed that once adjusted they will not slip.

EXHALATION VALVE

The apparatus shall be provided with an unidirectional exhalation valve spring loaded to maintain positive pressure in the face mask. The resistance of the valve should not exceed 6 mil ar, it shall be protected against dirt and mechanical damage.

DEMAND VALVE

It shall be fully automatic positive type. Designed to provide a flow rate of at least 50 ltrs/min at all Cylinder pressure above 20 bars. It shall be designed to push fit/click on to the ask.

SUPPLEMENTARY SUPPLY

The apparatus shall be provided with a man ally operated push type means on the demand valve itself for supplementary supply.

HIGH PRESSURE TUBE

It shall be having outer covering of neoprene rubber .The test pressure of the tube shall be above 600 bar. It shall be fitted to the set in a manner that it cannot be separated by hand. The entire high pressure tube shall be covered by a medium pressure tube having medium pressure supply for safety reasons.

MEDIUM PRESSURE TUBE.

It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 20 bars. It shall be so designed that it can be separated by hand and cannot be fitted at the joints where High Pressure Tube is fitted.

PRESSURE GAUGE It shall indicate pressure on opening of the



cylinder. The range shall be 0-350 bars. It shall be placed that the wearer can easily see the pressure while using the set.

The pressure gauge shall have a blowout release. The blowout release should be so located that in the event of an explosion or fracture of the pressure element of the gauge, the blast will be away from the front. The gauge window shall be made of material of non-splintering glass or of clear plastic materials.

A tap or restrictor shall be provided so that if pressure gauge and connection hose are removed from the apparatus, flow will not exceed 25 lit/Min at full cylinder pressure, if the gauge or flexible connecting tube be damaged after the apparatus has been functioning for a period of time equal to half the nominal working duration with an air consumption of 40 min the loss of air from the damaged component shall not reduce the normal effective duration of the apparatus by more than the reserved period.

WARNING DEVICE

The apparatus shall be provided with warning whistle next to the pressure gauge. It shall be consuming minimum amount of compressed air and should emit continuous at least 90 dbls sound. Warning whistle next to pressure gauge enables to user to ascertain his whistle and can check the same.

BACKPLATE

It is to be made of non-metallic GRP reinforced or equivalent material resistant to heat and chemicals. It should not be made of steel or metal (with or without any covering or coating) to avoid heating and slipping of the entire set. Rubber sheeting prevents ventilation. The back plate shall be so designed that the user can lift the set by having a firm grip of back plate in order to avoid lifting of set from cylinder valve or body harness. The method of fixing cylinder shall be such that 4,6 and 9 liter cylinder of working pressure 200/207/300 bar can be fitted without any alternation.

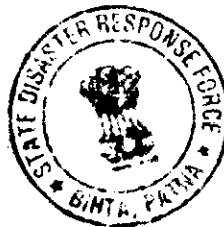
PRESSURE REDUCER

The apparatus shall be provided with a diaphragm less piston pressure reducer which is capable of reducing pressure from 300 bar to 7 bar (approx) The designing shall be such that back pressure development shall be minimum, second inlet/outlet shall be provided on the reducer. High pressure and medium pressure safety shall also be provided on the reducer.

GAS CYLINDER & MAIN VALVE.

Cylinder used shall be of steel having 6 liter water capacities, 300 bar working pressure 1800 Liters compressed air for 45 minute duration. The cylinder & valve should be approved by Chief Controller of Explosive, Nagpur, India.

Name and Signature of tenderer with
Stamp



कय किये जाने वाले items के specification की जानकारी के लिए राज्य आपदा रिस्पोस फोर्स से कार्यालय अवधि के दौरान सम्पर्क किया जा सकता है इसे आपदा प्रबंधन विभाग, बिहार की वेबसाइट www.disastermgmt.bih.nic.in तथा पी0आर0डी0, बिहार की वेबसाइट पर भी देखा जा सकता है।

TERMS AND CONDITIONS

7. The tender should be submitted in two parts (a) Technical bid and (2) Financial bid, duly sealed in two separate envelopes. If the two bids are submitted in the same envelope, then it shall be summarily rejected.

8. The rates shall be quoted only in the Financial bid. All charges like BST/CST/Service Tax/VAT etc. Shall be clearly mentioned but net rate (in figures and words) including all taxes etc. Shall be clearly mentioned. Vague offers like "Taxes as applicable" will be summarily rejected. There should be no cutting, overwriting or correction in the rates.

9. All relevant papers/certificates/specification etc. of items should be enclosed in the Technical bid. Only authorized dealer or Manufacturer of above equipment will participate in tender formality. Authorised dealers/authorized suppliers of manufacturing firm will have to enclose a copy of the authorization letter from the manufacturer. Sub dealer will also not be eligible for participation in tender. Sub dealer means a dealer who is not authorised by manufacturer .

10. The envelopes should be marked "Tender No- 27/2016 (Technical Bid) and Tender No-27/2016 (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the Technical and Financial bids should be enclosed in another sealed envelope which should be marked as "Tender No- 27/2016 and name of the items for which tender has been quoted. This envelope should not bear the name and address of the firm.

11. Up to date Income Tax Returns of the preceding 3 years and photocopy of PAN of the participating firm should be submitted along with the technical bid. IT Returns should have stamp and signature of the concerned Firm, whether filed manually or electronically.

Name and Singature of tenderer with Stamp



12. The turn-over of the firm for the financial year 2015-16 should be at least double the amount of the supply order which is being issued. In case turn over of 2015-16 is not available with the firm turn over of 2014-15 must be enclosed. A copy of the profit and loss a/c of the participating firm for the financial year 2015-16 or 2014-15 (as per the availability) certified by a Chartered Accountant should be submitted along with the tender. Turn over of the firm which is participating in the tender formality will only be considered.

13. The firm participating in the tender formality will must be registered with the commercial Tax Department, Govt of Bihar. Tenderer must enclosed copy of the firm's registration. In absence of Registration certificate tender document will be rejected.

14. If there is some discount in the price of any item, it should be deducted from the price itself and should not be quoted separately.

15. It will be responsibility of the successful bidder to deliver the items at SDRF Camp Bihta. The rates should be quoted taking the transportation costs into account. No road permit will be provided by unit for transportation of goods.

16. Firms will have to deposit a sum equivalent to ten percent of the bid amount, rounded off to the next thousand, subject to minimum of Rs. 10,000/-(Ten Thousand) and a maximum of Rs.25,000/-(Twenty Five Thousand) only as earnest money in the form of postal saving pass book/NSC/Bank draft duly pledged in favour of Commandant ,SDRF, Bihta,Patna along with the tender document.

17. Technical bids will be opened on 09 Sep 2016 at 12 AM at State Emergency Control room, Disaster Management Department, Old Secretariat, Patna. The representatives of the tenders may remain present at the time of opening of technical bids.

18. The Technical bids will be put up before the purchase Committee. The date, time and venue of the Purchase Committee meeting for the purpose will be intimated to the tenderer in advance. The representatives of the tenders may remain present in this meeting and may have to participate in discussions with this Committee and are required to demonstrate the quoted product. Any more papers/documents will not be accepted after opening the tender. Unit may increase or decrease the demand while placing the supply order.

Name and Singature of tenderer with Stamp .



19. Only those tenders whose technical bids are found successful, their Financial bids will be opened by the Purchase Committee on specified place, date & time to be intimated to bidders in advance. Before opening the price bid, demonstration of item is essential. Representatives of the tenderers may remain present at the time of opening of the Financial bids. No additional time will be provided for arrangement of sample for demonstration. Firm may have to demonstrate their equipment within one week. Sample of the firm declared successful shall be retained by unit. It is essential for firms declared successful in technical bid to be present with their equipment for demonstration on specified date & time, other wise unit/dept may take adverse view.

20. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the stores as security money in the form of Postal Savings Pass Book/NSC/Bank Guarantee duly pledged in favour of Commandant, SDRF, Bihta, Patna.

21. The firm should give details of item wise after-sale service to be provided by them.

22. The firm will be required to supply all the items within 30 days from the date of placing of order. However, the Commandant, SDRF, Bihta, Patna may extend this period in case of genuine difficulties /reasons put up by the firm.

23. Payment for delivered items will be made after receiving OK report from the inspection Committee. The rules applicable for Vat and income tax deductions would be followed.

24. The firm whose quotation is approved shall be issued memo of Acceptance of the tender (A/T). Purchase order shall be issued only after the firm enters into agreement with the undersigned. Terms & Conditions of the agreement shall be intimated in the A/T.

25. The firm shall have to ensure Hands on Training of the SDRF personnel.

26. Product leaflets or Browser must be enclosed in technical bid which can state that the product is meeting the specification. Relevant portion may be marked or underlined.

Name and Singature of tenderer with
Stamp



27. The equipment quoted in tender for purchase by the unit must have guarantee/warranty for two year from the date of acceptance of store by unit. Guarantee/Warrantee will be comprehensive i.e inclusive of all consumables and spares of all types(except fuel) and will be implemented on site as.

(a) After intimation of defect to firm maximum time of repair/replacement of equipment will be 15 days.

(b) Penalty for non repair beyond the repair time i.e 15 days will be @ 0.5% per week or part thereof of the cost of the goods/stores/equipment/article in case the store is rendered non-operational due to defect.

28. Commandant,SDRF,Bihta,Patna reserve the right to reject any or all the quotations partially or fully without assigning any reason.



(Binod Kumar)
Commandant
SDRF,Bihta

Dated :



Name and Singature of tenderer with
Stamp