

**Bangladesh Coast Guard Force
Agargaon Administrative Area
Block No-E, Plot No-12/B
Sher-e-Bangla Nagar, Dhaka-1207**

**TENDER DOCUMENT
FOR THE PROCUREMENT OF
GOODS (NATIONAL)**

OPEN TENDER (RE-TENDER)

**SUPPLY OF FIRE FIGHTING EQUIPMENT
FOR
BANGLADESH COAST GUARD FORCE**

**Invitation for Tender No: 44.08.2680.060.02.005.18. 604 Date 23 April 2018
Issued on: 26 April 2018.
Tender Package No: Log (TS-19)**

Section 2. Tender Data Sheet

<i>Instructions for completing the Tender Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITT clauses.</i>	
ITT Clause	Amendments of, and Supplements to, Clauses in the Instruction to Tenderer
A. General	
ITT 1.1	The Purchaser is Director Logistics, Bangladesh Coast Guard Force. Address: Agargaon, Admin Area, Sher-E-Bangla Nagar, Dhaka-1207.
	Title of the works: Tender Ref : 44.08.2680.060.02.005.18.604 Date 23 April 2018. Lot-1: Fire Fighting Equipment for Bangladesh Coast Guard Force. Lot-2: Fire Fighting Equipment for Bangladesh Coast Guard Force.
ITT 2.1	The source of public fund is Government of Bangladesh.
B. Tender Document	
ITT 6.1	The following are authorised agents of the Purchaser for the purpose of providing the Tender Document: None.
ITT 8.1	For clarification of tender purposes only, the Purchaser's address is: Attention: Deputy Director Technical Stores Address: Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207. Telephone No : 9144016. Fax number: 02 - 9140092 Electronic mail address: log_dte@coastguard.gov.bd
ITT 9.1	The Pre-tender meeting shall be held at: Office of the Deputy Director (Technical Stores). Address: Bangladesh Coast Guard Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207.
C. Qualification Criteria	
ITT 12.1(b)	The tenderer shall have minimum 02 years of specific experience in the supply of similar goods and related service.
ITT 13.1(a)	The minimum supply value of goods under a single contract in the last 02 year is Tk. 16,00,000/00 (Taka Sixteen lac only)
ITT 13.1(b)	The minimum amount of liquid asset or working capital or credit facility is Tk. 20,00,000/00 (Taka Twenty lac only).

D. Preparation of Tenderer	
ITT 16.1	The Tender, as well as all correspondence and documents relating to the Tender shall be written in English/Bangla.
ITT 19.1	Alternative Tenders will not be permitted.
ITT 20.3 & ITT 42.5	Tenders are being invited for 02 (Two) lot.
ITT 20.5 (C)	The final destination of the goods is Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207.
ITT 20.5 (d)	The Tenderer shall submit prices for the following incidental services: <i>None</i> .
ITT 20.7	The prices quoted by the Tenderer shall be fixed for the duration of the Contract.
ITT 26.1	The Tender validity period shall be 120 days.
ITT 27.1	The amount of the Tender Security shall be Lot-1: TK. 20,000/00 (Taka Twenty Thousand only) Lot-2: TK. 35,000/00 (Taka Thirty Five Thousand only) In favour of "AYON O BEYON KORMOKORTA, COAST GUARD SADAR DAPTOR"
ITT 28.1	In addition to the original of the Tender, Another copy shall be submitted as duplicate.
E. Submission of Tender	
ITT 29.2(b)	For tender submission purposes only, the Purchaser's address is: Attention: Director Logistics Address: Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207. The deadline for submission of Tenders 1200 hrs On 07 May 2018.
F. Opening and Evaluation of Tenders	
ITT 33.1	The Tender opening shall take place at: Address: Office of the Deputy Director (Technical Stores) Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher- E-Bangla Nagar, Dhaka-1207. On Time & Date: 1230 hrs On 07 May 2018.
ITB 42.4	The applicable economic factors for evaluation shall be as follows: Delivery Schedule:
ITT 42.4(a)	The following quantification methods shall be applied: <i>None</i>
ITT 42.4(b)	Cost of components and mandatory spare parts : <i>None</i>

ITT 42.4 (c)	Spare parts and after-sales service facilities in Bangladesh: None
ITT 42.4(d)	Projected operating and maintenance costs: None
G. Award of Contract	
ITT 48.1	The maximum percentage by which quantities per item may be increased or decreased is 20%.
ITT 50.1	The amount of Performance Security shall be ten [10%] percent of the Contract Price. In Favour of Earnest money fund, coast guard Sador Daptor.
ITT 53.2	The name and address of the office where complaints to the Procuring Entity under Regulation 51 are to be submitted is: Director General, Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207.

Section 4. Particular Conditions of Contract

GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
GCC 1.1(h)	The nature of the goods to be supplied of Lot-1: Fire Fighting Equipment for Bangladesh Coast Guard Force. Lot-2: Fire Fighting Equipment for Bangladesh Coast Guard Force.
GCC 1.1(j)	The Purchaser is Director Logistics Address: Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207.
GCC 5.1	The documents to be furnished by the Supplier shall be as follows: (a) Attested copy of Valid trade license (b) Attested copy of Latest income Tax certificate (c) Attested copy of Latest VAT registration certificate (d) The minimum supply value of goods under a single contract in the last 02 year is Tk. 16,00,000/00 (Taka Sixteen lac only) (e) The minimum amount of liquid asset or working capital or credit facility is Tk. 20,00,000/00 (Taka Twenty lac only) (f) Warranty certificate (g) Copies of Supplier's invoice showing goods' description, quantity, unit price, total amount. [Note: The above requirements should be reviewed by a Procuring Entity on a case-by-case basis, with amendments being made as necessary.]
GCC 6.1	Suppliers and Sub-contractors from the following countries are not eligible: Israel .
GCC 6.2	Goods and Related Services from the following countries are not eligible: Israel .
GCC 7.1	Routine correspondence between the parties may be in Bangla/English.
GCC 12.1	For notices , the Supplier's contact details shall be: Attention: Telephone : 9144016. Fax number: 02 - 9140092 Electronic mail address: log_dte@coastguard.gov.bd
GCC 21.2	A complete packing list indicating the content of each package shall be enclosed in a water proof envelope and shall be secured to the outside of the packing case. In addition, each package shall be marked with indelible ink/paint in bold letters, as follows: a. Contract Number b. Name and address of Purchaser c. Package number of total number of packages d. Brief description of the content e. Country of Origin Upright marking, where appropriate, shall be placed on all four vertical sides of the package. All materials used for packing shall be environmentally neutral.

GCC 22.2	The documents to be provided are as follows (If applicable) : a. Copies of Suppliers invoice showing goods description, quantity, unit price, total amount. b. Copies of the packing list identifying the contents of each package. c. Manufacturers/supplier's warranty certificate d. Inspection certificate issued by the nominated inspection agency and supplier's factory inspection report e. Certificate of origin.
GCC 23.2	The prices charged for the Goods delivered and the Related Services to be performed shall be fixed for the duration of the contract.
GCC 25.1	Additional spare parts requirements: If applicable
GCC 25.2	Within [04] weeks of placing the order.
GCC 26.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: a. The payments shall be made through the office of the Comptroller General of Accounts of Bangladesh. b. Payments shall be made in Bangladeshi Taka <u>On delivery and Acceptance of the Goods.</u>
GCC 27.1	"All risks" insurance, including "war risks, riots, and/or strikes" shall be acquired for 110% of the delivered cost of the goods on "Warehouse to Warehouse" basis.
GCC 29.1	The Performance Security shall be reduced to [5%] percent of the Contract Price.
GCC 31.2	The Inspections and tests shall be conducted at: Headquarters, Bangladesh Coast Guard Force Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207. The Purchaser's right to inspect, test and where appropriate reject the Goods after delivery, shall in no way be limited or waived by the reason of Goods having previously been inspected, tested or passed by the Purchaser or its representative prior the Goods shipment.
GCC 32.3	The period of validity of the Warranty shall be: 12 (twelve) Months (From the date of acceptance). For purposes of the Warranty, the place of final destination shall be: Office of the Deputy Director (Technical Stores) Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207.
GCC 32.5	The period for repair or replacement shall be: 12 (Twelve) Months.
GCC 34.1	The liquidated damage shall be one half of one percent (0.5%) of the Contract value per week or part there of. The maximum amount of liquidated damages shall be: Ten (10%) of the Contract value.
GCC 39.3(b)	Arbitration shall take place in: Bangladesh.

Section 6.Schedule of Requirements

Invitation for Tender No: 44.08.2680.060.02.005.18.604
Tender Package No: Log (TS- 19)

Date - 23 April 2018

A. List of Goods and Delivery Schedule

When completing Form PG-2 the Tenderer shall quote prices and contract delivery dates for each item against each lot and show each Lot separately, as specified in the List of Goods and Delivery Schedule.)

Lot No.	Description of Item	Unit of Supply	Quantity of Units required	Point of Delivery	Date Required (in weeks)
1	2	3	4	5	6
Purchaser's Option for delivery terms is from date of contract signature					
Lot-1:	Fire Fighting Equipment for Bangladesh Coast Guard Force	As Per Section-7	As Per Section-7	Bangladesh Coast Guard Force Headquarters, Agargaon Admin Area, Sher-E-Bangla Nagar, Dhaka-1207	04 Weeks
Lot-2:	Fire Fighting Equipment for Bangladesh Coast Guard Force				

List of Related Services and Completion Schedule

When completing Form PG - 2 the Tenderer shall quote prices and contract delivery dates for each item against each lot

Item No.	Description of Related Services	Unit of Supply	Quantity of Units Required	Point at which Services are required	Required Completion Date for Services
1	2	3	4	5	6
Purchaser's Option for delivery terms is from date of contract signature					[note 1 (b)]

Note 1: The Purchaser must specify the option from which the completion of services will start:

- (a) from date of notification of contract award, or
- (b) from date of contract signature, or
- (c) from date of opening of letter of credit; or
- (d) from date of confirmation of letter of credit

e.g. In Column 6 if the completion required is 10 weeks from date of Notification of contract award, then type in (a); if the completion required is 10 weeks from opening of letter of credit type in (c), etc. Each item of each lot should have the same completion date and conditions, except in exceptional circumstances.

Note 2: The Purchaser must decide whether there is a separate unit of supply and quantity of units, otherwise may specify ONE (1) in both columns or LUMP SUM in Column 4

Section 7. Technical Specifications

The Goods and Related Services shall comply with following Technical Specifications:

Item No	Name of Item or Related Service	Technical Specification and Standards	Terms & Conditions
1	2	3	4
Lot-1: Fire Fighting Equipment for Coast Guard Force		As per annex "A"	-
1.	Anti-Flush Hood		
2.	Anti-Flush Gloves		
3.	Foam Making Branch Pipe		
4.	Foam Type Fire Extinguisher (Refill Type)		
5.	Water Type Fire Extinguisher (Refill Type)		
6.	ABC Dry Powder 03 kg		
7.	ABC Dry Powder 02 kg		
8.	Refill for Foam Type Fire Extinguisher		
9.	Refill for Water Type Fire Extinguisher		
10.	Surcoat Red		
11.	Surcoat Yellow		
12.	Surcoat Red with White strip		
13.	Fire Fighter Nozzle		
14.	Water wall Nozzle		
15.	CO ₂ Fire Extinguisher (05 kg)		
16.	AFFF Chemical		
Lot-2: Fire Fighting Equipment for Coast Guard Force		As per annex "B"	
1.	EDBA/BASCCA		
2.	Fair Naught Suit (Pair)		
3.	Fire fighting boot (Pair)		
4.	Fire fighting hand gloves (Pair)		
5.	Fire fighting helmet with communication		

TECHNICAL SPECIFICATION**Lot -1: Fire Fighting Equipment for Bangladesh Coast Guard Force**

S. No	Description of Extinguisher	Deno	Qty
1.	Anti-Flush Hood	No	28
2.	Anti-Flush Gloves	Pair	20
3.	Foam Making Branch Pipe	No	02
4.	Foam Type Fire Extinguisher (Refill Type)	No	51
5.	Water Type Fire Extinguisher (Refill Type)	No	36
6.	ABC Dry Powder 03 kg	No	21
7.	ABC Dry Powder 02 kg	No	30
8.	Refill for Foam Type Fire Extinguisher	Set	90
9.	Refill for Water Type Fire Extinguisher	Set	60
10.	Surcoat Red	No	48
11.	Surcoat Yellow	No	18
12.	Surcoat Red with White strip	No	06
13.	Fire Fighter Nozzle	No	10
14.	Water wall Nozzle	No	10
15.	CO ₂ Fire Extinguisher (05 kg)	No	50
16.	AFFF Chemical	Ltr	40

1.	<p><u>Technical Specifications of Anti-Flash Hoods (white, NATO Standard).</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Length and Weight.</p> <p>(1) Length overall not less than 45 cm.</p> <p>(2) Weight per 10 hood, 1.25 kg.</p> <p>e. Flame Resistance. The hoods should be made of internationally recognized flame resistant materials. Standard of flame should be mentioned and test certificate to that effect is to be provided.</p> <p>f. Style. Bib style.</p> <p>g. Face Opening. Elastic face opening.</p> <p>h. Material. Knitted un-brushed loop fleece of cotton (or a blend of 2/3 cotton with 1/3 viscose) with durable flash resistant finish. The fabric is to be bleached white.</p> <p>j. Size. One size to fit for all.</p> <p>k. Quantity: 28 No.</p> <p>l. Sample. One Complete set of the offered Anti-Flash Hoods is to be provided with the quotation for evaluation.</p>
2.	<p><u>Technical Specifications of Anti-Flash Gloves (white, NATO Standard).</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model and Manufacturer: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Length and Weight.</p> <p>(1) Length overall not less than 40 cm.</p> <p>(2) Weight of 10 pair minimum 1kg.</p> <p>e. Flame Resistant. NATO Standard.</p> <p>f. Style. Five fingered with reversible thumb.</p> <p>g. Elastically Wrestled. Elastic braid will be inserted at the turned edge of the cuff.</p> <p>h. Material. Knitted interlock fabric of cotton (or a blend of 2/3 cotton with 1/3 viscose) with durable flash resistant finish.</p> <p>j. Size. Standard size to fit for all.</p> <p>k. Quantity: 20 Pair</p> <p>l. Sample: One Pair of the offered Anti-Flash Gloves is to be provided with the quotation for evaluation.</p>

3.	<p><u>Technical Specification of Foam Making Branch Pipe</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model and Manufacturer: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Size: 60-70 mm</p> <p>e. Flow Capacity: 215-240 Lpm</p> <p>f. Range: 16-24 M</p> <p>g. Test Certificate. Test certificate to be provided at the time of delivery.</p> <p>h. Warranty. 03 (three) years from the date of delivery</p> <p>i. Quantity. 02 in Nos</p> <p>j. Sample. One in No Foam Making Branch Pipe is to be provided with the quotation for evaluation.</p>
4.	<p><u>Technical Specification of Foam Type Fire Extinguisher</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Capacity. 09 Liter</p> <p>e. Discharge Duration. Not less than 60 sec.</p> <p>f. Shooting Range. Not less than 6 Mtrs.</p> <p>g. Test Certificate. Test certificate to be provided at the time of delivery.</p> <p>h. Warranty. 03 (three) years from the date of delivery</p> <p>i. Quantity. 51 in Nos</p> <p>j. Sample. One Foam Type Fire Extinguisher is to be provided with the quotation for evaluation.</p>
5.	<p><u>Technical Specification of Water Type Fire Extinguisher</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Capacity. 09 Liter</p> <p>e. Discharge Duration. Not less than 60 sec.</p> <p>f. Shooting Range. Not less than 6 Mtrs.</p> <p>g. Test Certificate. Test certificate to be provided at the time of delivery.</p> <p>h. Warranty. 03 (three) years from the date of delivery.</p> <p>i. Quantity. 36 in Nos</p> <p>j. Sample. One Water Type Fire Extinguisher is to be provided with the quotation for evaluation.</p>
6.	<p><u>Technical Specification of ABC dry Power Fire Extinguisher (03 Kg)</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Capacity: 03 Kg</p> <p>e. Dimension. To be mentioned.</p> <p>f. Weight. To be mentioned.</p> <p>g. Test Certificate. Test certificate to be provided at the time of delivery.</p> <p>h. Warranty. 03 (three) years from the date of delivery.</p> <p>i. Quantity. 21 in Nos</p> <p>j. Sample. One ABC Dry Power (03 kg) Fire Extinguisher is to be provided with the quotation for evaluation.</p>
7.	<p><u>Technical Specification of ABC dry Power Fire Extinguisher (02 Kg)</u></p> <p>a. Brand: To be mentioned.</p> <p>b. Model: To be mentioned.</p> <p>c. Country of Origin: To be mentioned.</p> <p>d. Capacity. 02 Kg</p> <p>e. Dimension. To be mentioned.</p> <p>f. Weight. To be mentioned.</p> <p>g. Test Certificate. Test certificate to be provided at the time of delivery.</p> <p>h. Warranty. 03 (three) years from the date of delivery.</p> <p>i. Quantity. 30 in Nos</p> <p>j. Sample. One ABC Dry Power Fire Extinguisher (02 Kg) is to be provided with the quotation for evaluation.</p>

8.	<p><u>Technical Specification of Refill for Foam Type Fire Extinguisher</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Quantity.</u> 90 set e. <u>Sample.</u> One set refill of foam type fire extinguisher is to be provided with the quotation for evaluation .</p>
9.	<p><u>Technical Specification of Refill for Water Type Fire Extinguisher</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Quantity.</u> 60 set e. <u>Sample.</u> One set refill of water type fire extinguisher is to be provided with the quotation for evaluation.</p>
10	<p><u>Surcoat Red</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Quantity.</u> 48 in No. e. <u>Sample.</u> One in No is to be provided with the quotation for evaluation.</p>
11	<p><u>Surcoat Yellow</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Quantity.</u> 18 in No e. <u>Sample.</u> One in No is to be provided with the quotation for evaluation.</p>
12	<p><u>Surcoat Red with white Strip</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Quantity.</u> 06 in No. e. <u>Sample.</u> One in No is to be provided with the quotation for evaluation.</p>
13	<p><u>Technical Specifications of Fire Fighting Nozzle</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Dia:</u> <u>02 inch</u> e. <u>Metal:</u> To be mentioned f. <u>Quantity.</u> 10 Nos g. <u>Sample.</u> One Fire Fighting Nozzle is to be provided with the quotation for evaluation</p>
14	<p><u>Technical Specifications of Water Wall Nozzle</u></p> <p>a. <u>Brand:</u> To be mentioned. b. <u>Model:</u> To be mentioned. c. <u>Country of Origin:</u> To be mentioned. d. <u>Dia:</u> <u>02 inch</u> e. <u>Metal:</u> To be mentioned f. <u>Quantity.</u> 10 No g. <u>Sample.</u> One Water Wall Nozzle is to be provided with the quotation for evaluation</p>

15	<p><u>Technical Specifications of CO2 (Carbon di oxide) Fire Extinguisher</u></p> <p>a. <u>Brand:</u> To be mentioned.</p> <p>b. <u>Model:</u> To be mentioned.</p> <p>c. <u>Country of Origin:</u> To be mentioned.</p> <p>d. Shooting range : Not less than 02 Meter</p> <p>f. Shooting time : Not less than 18 Seconds</p> <p>g. Weight of CO₂ : 05 kg (without cylinder weight)</p> <p>h. Other Point : To be mentioned.</p> <p>i. Quantity : 50 in Nosk</p> <p>j. <u>Sample.</u> One CO₂ Type Fire Extinguisher is to be provided with the quotation for evaluation.</p>
16.	<p><u>Technical Specifications of AFFF</u></p> <p>a. <u>Brand:</u> To be mentioned.</p> <p>b. <u>Model:</u> To be mentioned.</p> <p>c. <u>Country of Origin:</u> To be mentioned.</p> <p>d. Appearance liquid</p> <p>e. Specific gravity 18°-25° C</p> <p>f. Viscosity - 18°-25° C</p> <p>g. PH 6,0-9,0</p> <p>h. Freezing point -24° C</p> <p>i. Recommended storage temperature -24-55° C</p> <p>k. Suspended sediment (v/v) Less than 0,2%</p> <p>l. <u>Quantity.</u> 40 Ltr</p>

Lot -2 Fire Fighting Equipment for Coast Guard

S. No	Requirement of Coast Guard Force																								
	<p>Purpose: The Fire Fighting items will be used as protective material for Fire Fighting by personnel on board Coast Guard Force Ships against the effects of heat, toxic gases, loss of vision /communication or physical damage.</p> <p>Scope of Supply. The following fire fighting items are to be supplied brand new and of latest production range:</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Description</th> <th>Deno</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>EDBA/BASCCA</td> <td>Set</td> <td>13</td> </tr> <tr> <td>2.</td> <td>Fair Naught Suit (Pair)</td> <td>No</td> <td>13</td> </tr> <tr> <td>3.</td> <td>Fire fighting boot (Pair)</td> <td>Pair</td> <td>13</td> </tr> <tr> <td>4.</td> <td>Fire fighting hand gloves (Pair)</td> <td>Pair</td> <td>08</td> </tr> <tr> <td>5.</td> <td>Fire fighting helmet with communication</td> <td>Pair</td> <td>04</td> </tr> </tbody> </table>	S. No	Description	Deno	Qty	1.	EDBA/BASCCA	Set	13	2.	Fair Naught Suit (Pair)	No	13	3.	Fire fighting boot (Pair)	Pair	13	4.	Fire fighting hand gloves (Pair)	Pair	08	5.	Fire fighting helmet with communication	Pair	04
S. No	Description	Deno	Qty																						
1.	EDBA/BASCCA	Set	13																						
2.	Fair Naught Suit (Pair)	No	13																						
3.	Fire fighting boot (Pair)	Pair	13																						
4.	Fire fighting hand gloves (Pair)	Pair	08																						
5.	Fire fighting helmet with communication	Pair	04																						
1.	<p>Technical Specifications EDBA (With box)</p> <ol style="list-style-type: none"> 1. Nome of the items: Extended Duration Breathing Apparatus (EDBA). 2. Brand: To be mentioned. 3. Brand: To be mentioned. 4. Country of origin: UK/USA/GERMANY. 5. Year of manufacture: 2017 or later. 6. Classification Standard: NATO/RN (UK) Standard and approved by SOLAS. 7. Qualification of Bidders: Only the genuine manufactures either directly or through their authorized local agent(s) in Bangladesh, can submit quotation. In case of an authorized local agent, manufacture's certificate of authorization has to be submitted with the offer 8. Technical Specification: The EDBA should be positive pressure type, first breath activated, lightweight and low maintenance set. Each set should comprise of the air cylinder, face mask, head harness, pressure reducing valve, warning whistle, pressure gauge, back plate, and harness. Details of the specification are mentioned below: <ol style="list-style-type: none"> a. Air Bottle. It should be a 9.0 litre (min) air cylinder, made of non-magnetic metal, and be capable of being charged to 300 bar (max). b. Face mask. The set should have a non-size facemask with a net head harness. The facemask assembly is to be fitted with an oro-nasal mask, an exhalation valve, and an automatic first-breath operated positive pressure demand valve. The demand valve is to be re-set by a manually activated button (on the demand valve). The valve is to be fitted with a manually operated by pass knob, which should allow a free flow of air into the face mask, in case the user gets into difficulty. c. Net Head Harness. It should be flame retarding harness with donning strap, head harness adjuster. d. Whistle. The warning period should be around 12 minutes at 55 bar. e. Extension Equipment. The extension equipment for EDBA should have a face mask assembly and head harness. Each set must have two lengths of extensions hoses: 01 X 2.0 m. (min) and 01 X 15.0 m (min). The extension hoses must be capable of being connected with one another. f. Back plate and Harness. The back plate should be ergonomically designed with a comfortable flame retarding harness, with necessary accessories such as chest strap, waist belt, cylinder connector, demand valve, reducing valve, rectos coupling, cam lock buckle, pressure gauge and a whistle. g. Charging pressure. The set must be capable of being safely charged to a maximum of 300 bar. 																								

h. Duration at Various Charge Pressure : Preferable working duration of the EDDBA set at various reduced pressure settings may be as under:

Pressure bar	Net duration, minutes		
	Working Duration	Time to Whistle	Total (Working duration + Time to Whistle)
300	48	12	60
240	39	12	51
207	33	12	45
200	32	12	44
160	24	12	36

j. Pressure Gauge: The pressure gauge reading must have easily readable graduations (in photo-luminescent paint) and the gauge must be rated up to 400 bar.

09. **Weight:** Sets with lighter weight will be preferable.

10. **Dimension:** To be as per international standard. The sets must be suitable and convenient for use in the confines in a Coast Guard Ships under fire fighting conditions.

11. **Stowage cabinet:** Each set must be supplied with a stowage cabinet for storing 01 or 02 complete unit (s) of EDDBA. The cabinets are to be made of moulded plastic/GRP with an arrangement of attached clamps and bolts/screws for securing to ships bulkhead. The colour of the cabinet is to be preferably red with EDDBA Set prominently marked with photo-luminescent paint on it.

12. **Standard Accessories:** Standard accessories must include every items and accessories, irrespective of those mentioned in this specification that might be essential to make each of the sets independent, complete and useable without requiring any further item (s).

13. **Test, Trial and Acceptance:** Test trail will be carried out by the buyer in presence of supplier's representative. After satisfactory test and trial, an acceptance certificate will be signed the buyer.

14. **Sample:** **One EDDBA (With box) is to be provided with the quotation for evaluation**

15. **Certification:** Manufacture/principal bidder's certificate in support of material, quality, classification standard and guarantee of all the items must be provided with the quotation.

16. **Document:** Following documents (must be in English language) are to be supplied with the sets:

Ser.	Description	No
a.	Operation/Instruction Manual	13
b.	Parts Catalogue	13
c.	Repair and Maintenance Manual	13

17. **Spare parts:** Following spares are to be supplied:

Ser.	Name of Parts (For each EDDBA set)	Qty Total
a.	Face mask assembly	13
b.	Reducing Valve	13
c.	Demand Valve	13
d.	CYLINDER Connector	13
e.	Pressure gauge and whistle	13

18. **Warranty.** Warranty of trouble free operation is to be given for the supplied items for a period of at least 12 months from the date of acceptance by the buyer after satisfactory tests/trials and acceptance by CI&QC.

19. **Guarantee.** The principal/manufacture will guarantee to supply the spares for at least 10 years at a reasonable price. Yearly increase of price should not exceed 5%.

20. **Packing.** All individual items to be packed separately in an air tight plastic bag during supply/shipment.

	<p>21. Delivery. Within 04 Weeks after signing the contract.</p> <p>22. Terms of Payment. To be mentioned in Bangladeshi Taka.</p> <p>23. Condition for Acceptance. Quotation will not be accepted if information/ documents as mentioned above are not provided/supplied. Buyer has the accept or to be reject any tender without showing any reason.</p> <p>24. Quantity. 13 Nos</p>									
2.	<p><u>Technical Specifications (Fair Naught Suit)</u></p> <p>1.</p> <p>(a) One piece garment with front opening, slide fastener (zip fastener) and fastener tape enclosure.</p> <p>(b) It should have a battery pocket and at least three cable fastener straps.</p> <p>(c) The set in sleeves are to be one piece elasticity cuffs, while the bottom of the legs are to be elasticity with openings at each side seam with zip fastener.</p> <p>(d) The collar of the overall will be of up standing type (130 mm) and having two fastener taps.</p> <p>(e) The material must meet NATO Standard for the fire fighting purpose. The suit should be flame, Fire and heat proof. The fabric will be white wool fire resistant cloth (felt type) suitable for Coast Guard Shipboard fire fighting.</p> <p>(f) Gauntlets (i.e. Glove), Fear Naught. Should have Velcro fasteners on the inside of the wrist.</p> <p>(g) Quantity :13 Pair</p> <table border="1" data-bbox="464 1099 1358 1196"> <thead> <tr> <th>S. No</th> <th>Size</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td>Medium : To be mentioned</td> <td>06</td> </tr> <tr> <td>(b)</td> <td>Large : To be mentioned</td> <td>07</td> </tr> </tbody> </table> <p>2. Brand: To be mentioned.</p> <p>3. Model: To be mentioned.</p> <p>4. Contry of Origin: UK/USA/GERMANY.</p> <p>6. Standard Accessories. Standard accessories must include all items and accessories, which are essential for fair Naught suit, whether those are mentioned in the specification or not.</p> <p>7. Sample. One Pair Fair Naught Suit to be provided with the quotation for evaluation.</p>	S. No	Size	Qty	(a)	Medium : To be mentioned	06	(b)	Large : To be mentioned	07
S. No	Size	Qty								
(a)	Medium : To be mentioned	06								
(b)	Large : To be mentioned	07								
3.	<p><u>Technical Specifications (Fire Fighting Hand Gloves)</u></p> <p>Five finger aluminised gloves with heat resistant leather palm, wool lined down the back of hand. Overall length not less then 35 cm.</p> <p>a. Brand: To be mentioned.</p> <p>b. Model: To be mentioned.</p> <p>c. Country of Origin: UK/USA/GERMANY.</p> <p>d. Size. Size 9 (to fit average hands) or standard size to fit all. Should be compatible with fear naught suit.</p> <p>e. Quantity : 08 Pair</p> <p>f. Sample. One pair of the offered Fire Fighting Hand Gloves is to be provided with the quotation for evaluation.</p>									

4.	<p><u>Technical Specifications Fire Fighting Boots (Leather)</u></p> <p>a. <u>Brand:</u> To be mentioned.</p> <p>b. <u>Model:</u> To be mentioned.</p> <p>c. <u>Country of Origin:</u> UK/USA/GERMANY/ Equivalent.</p> <p>d. <u>General.</u></p> <p>(1) Domestic Full grain hair cell print Leather.</p> <p>(2) Rubber sole/PVC through sole.</p> <p>(3) Steel toe cap (BSEN 345 Part 2 or equivalent) for protection against impact.</p> <p>(4) Steel mid sole (BSEN 345 Part 2 or equivalent) to resist penetration by sharp object from below.</p> <p>e. <u>Upper.</u> Black, leather, resistant to oil, acid and water. Leg height 345 mm (minimum) measured from insole.</p> <p>(1) Minimum measurements for fittings:</p> <p>(a) Straps -25 mm wide.</p> <p>(b) Pull-on-loops 30 mm wide, with a minimum of 50 mm free loop.</p> <p>(c) Top band (soft leather) rolled over 25 mm wide.</p> <p>(d) Back strap, reinforced and stiffened.</p> <p>(e) Kevlar arch reinforcement to resist nail penetration.</p> <p>f. <u>Counter.</u> Thermo activated to laminate lining to upper. Stiffener material to MOD (UK) specification or equivalent.</p> <p>g. <u>Lining.</u> Aquatics breathable water resistant quarter and vamp lining material. All seams are to be tape sealed. Padding of 24 kg polyethylene for heel and ankle padding is to be positioned between the lining and the upper, which is also to extend from behind the steel toe cap to offer added protection to the metatarsal and shin area.</p> <p>h. <u>Insole.</u> Non woven 'Radom' type material or similar</p> <p>i. <u>Sole and Heel.</u> Oil and heat resistant rubber commando type unit with a minimum cleat depth of 6.5 mm. The sole is to be highly slip resistant. The unit is to be bonded by direct injection of and oil resistant through sole producing a repairable product</p> <p>j. <u>Toe cap.</u> Anti-scuff toe covering with a smooth finish to a minimum 2 mm oil and heat resistant rubber covering; laminated to the leather, over the steel toe cap area. Rubber is to extend to below the through sole 'bite line'</p> <p>k. <u>Penetration Resistance Mid Sole.</u> Stainless steel, complying with the requirements of BSEN 344 or equivalent.</p> <p>l. <u>Finishing.</u> Hand finished; using a high – grade seam sealant to increase water repellence of leather and seams</p> <p>m. <u>Size.</u> Size 8 ,9 and10 (UK size) /suitable for feet men of height between 162 ,182 cm and 202 cm.</p> <p>n. <u>Quantity. 13 Pair</u></p> <table border="1" data-bbox="598 1377 1034 1473"> <tr> <td>Size – 8</td> <td>05 pair</td> </tr> <tr> <td>Size – 9</td> <td>05 pair</td> </tr> <tr> <td>Size – 10</td> <td>03 pair</td> </tr> </table> <p>o. <u>Sample:</u> One pair of the offered Fire Fighting Boot (Leather) is to be provided with the quotation for evaluation.</p>	Size – 8	05 pair	Size – 9	05 pair	Size – 10	03 pair
Size – 8	05 pair						
Size – 9	05 pair						
Size – 10	03 pair						
5.	<p><u>Fire Fighting Helmet</u></p> <p>a. <u>Brand:</u> To be mentioned.</p> <p>b. <u>Model:</u> To be mentioned.</p> <p>c. <u>Country of Origin:</u> To be mentioned.</p> <p>d. <u>Year of manufacture:</u> 2017 or later.</p> <p>e. <u>Quantity.</u> 04 Pair</p> <p>f. <u>Classification Standard:</u> NATO/RN (UK) Standard and approved by SOLAS.</p>						

TERMS AND CONDITIONS FOR INVITING TENDER OF FF EQUIPMENT IN SHORT

Bidders Qualification

1. The concerned supplier is expected to have adequate knowledge in understanding all the technical criteria and ability to fulfil those in clear terms given in the indent. The supplier must be in a position to bring all the indented items from authentic foreign source (known to be principal). He should be able to ensure that the source/principal is either to be internationally recognized manufacturer (having distinct website, fax and e-mail address) or agent of the respective manufacturer (having clear existence in the manufacturer website, own fax and e-mail address) or sub- agent of the respective agent (at list having fax and e-mail address).

Certificate/Document of the Authentication

2. The concerned supplier must provide following original certificate(s)/ documents(s) as applicable with the quotation and during delivery of items as regard to the genuineness of source and item(s) in order to establish chain of links from the original source to supply items:

- a. One certificate by the manufacturer in favour of the supplier/ local agent (in case of manufacturer as principal).
- b. Two certificate one by the manufacturer to authorized agent and other by the authorized agent to supplier/local agent (in case of authorized agent as principal).
- c. Three certificates; first one by manufacturer to authorized agent, second one by authorized agent to sub-agent and third one by sub-agent to supplier/ local agent (in case of sub- agent as principal). If the supplier/local agent is unable to obtain the first certificate (by manufacturer to authorized agent), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.

Warranty/Guarantee

3. The supplier must ensure that all items are genuine, new and unused. The supplier must provide warranty at least for 01 (one) year from the date of acceptance of the item(s) after satisfactory inspection, test trial etc as applicable. If any defect / discrepancy of any item arise within the period of warranty, the specific period from the date of notification of the defect /discrepancy to the supplier up to the date of rectification of defect/ resolve of discrepancy will have to be deducted from the warranty period for that particular item(s).

4. If any defect/discrepancy arises, within warranty period, then the respective item(s) is/ are to be replaced free of cost including freight within 03 (three) months from the date of notification of the same to the supplier. In this regard, the supplier must furnish an undertaking with the offer by stating, "I do hereby assure that we take the liability to replace all spare parts/items(s) free of cost including freight within three months from the date of notification about the defect/ discrepancy of the spare parts / item(s) by the buyer, if it occurs within the period of warranty".

Essential Information

5. The bidder must mention its full name and address along with the chain of concerned source(s) i.e. manufacturer, agent and sub-agent with the offer as applicable from whom it has to collect certificate(s)/document(s) as per para-2.

6. If the quoted part / pattern no of item(s) is /are dissimilar from the indented one because of recent modification or any other technical reason, then the supplier must provide an original certificate from manufacturer in favour of substitute and adequate information/ instruction in this regard, if so necessary. The offered spare shall perfectly match with the said model of the equipment; but if does not match, it will have to be replaced free of cost including freight charge.

Validity and Delivery

7. Items (s) is/are to be delivered within 04 Weeks from the date of signing contract. However, the duration may be re-considered in special circumstances.