

GOVERNMENT OF WEST BENGAL
DEPARTMENT OF DISASTER MANAGEMENT & CIVIL DEFENCE
OFFICE OF THE PROJECT DIRECTOR
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Memo No: 217 /NCRMP-II

Date: 26.08.2021

NATIONAL CYCLONE RISK MITIGATION PROJECT-II

Tender/Bid No.: WB/DMD/NCRMP-II/SLE/01/2021-22 DATED: 03.06.2021

7th Corrigendum

Tender ID No. -2021_DDM_332205_1

Name of Work: Supply of Shelter Equipment for 146 Nos. Multipurpose Cyclone Shelters in the three coastal districts of West Bengal under NCRMP-II.

Bidders participated online and asked different questions with respect to specifications of items and few issues on the qualification criteria. Based on the queries of bidders specifications and qualification criteria has been revised. Changes are furnished in tabular form below:-

Sl No	Item	In Place of	Please Read
1	Life Jacket MMD/SOLAS Approved	<p>Adult Life Jacket of MMD/SOLAS Approved with the following specifications.</p> <p>a)Construction. The quality of workmanship (e.g. seam stitching, fixing of various fixtures, ergonomics of design and placement of fixtures etc.) must be of high order.</p> <p>b)It should be fitted with a whistle made of a rustproof material, capable of making a load shrill note in fresh water/sea water, and firmly secured by a cord .</p> <p>c) Vest should be fitted on a nylon sleeveless mesh vest. Vest should have pockets/ pouches. Should also have means for airlifting a survivor during search and rescue operation.</p> <p>d) The buoyancy of Life jacket should be at least 16kg in fresh water. Weight should not exceed 1.5kg. Life jackets should be suitable for use by adults.</p>	<p>Adult Life Jacket of MMD/SOLAS Approved with the following specifications.</p> <p>a) Construction. The quality of workmanship (e.g. seam stitching, fixing of various fixtures, ergonomics of design and placement of fixtures etc.) must be of high order.</p> <p>b) It should be fitted with a whistle made of a rustproof material, capable of making a load shrill note in fresh water/sea water, and firmly secured by a cord .</p> <p>c) Vest should be fitted on a nylon sleeveless mesh vest. Vest should have pockets/ pouches. Should also have means for airlifting a survivor during search and rescue operation.</p> <p>d) The buoyancy of Life jacket should be at least 16kg in fresh water. Weight should not exceed 1.5kg. Life jackets should be suitable for use by adults.</p> <p>1. Should be made of light visibility, nylon cloth filled high density soft polyethylene foam for high floatability.</p> <p>2. Jacket to be provided with plastic quick lock buckle.</p> <p>4.Whistle to be attached.</p> <p>5.Should have SOLAS approved retro reflective tape stitched at visible locations.</p> <p>6. Size should be minimum 68cmX 38cm X10cm.</p> <p>9.Weight should not be less than 750 gms with buoyancy 16 kg.</p> <p>10. It should be jacket type.</p> <p>11.IRS approval conforms to SOLAS 74 as amended.</p>
2	Florescent Jackets	<p>Search & Rescue jackets-Deep florescent orange colour with black piping colour boarded Length-74 cm, Width -59cm, Reflective stripe two horizontal and two vertical with 5cm width covering both front & Back .Dept. Of Disaster Management will be printed in deep</p>	<p>Search & Rescue jackets-Deep florescent Orange/Green colour with black piping colour boardar Length-74 cm, Width -59cm, Reflective stripe two horizontal and two vertical with 5cm width covering both front & Back Dept. Of Disaster Management will be printed in deep Blue and other in white colour. OR</p>

		Blue and other in white colour. OR First Aid Jackets-Deep florescent Green Colour with black piping colour. Boarder Length – 74cm, Width-59 cm, Reflective stripe two horizontal and two vertical with 5cm width covering both front and back. Dept. of Disaster Management will be printed in deep blue and other in white colour.	First Aid Jackets-Deep florescent Orange/Green Colour with black piping colour. Border Length –74cm, Width-59 cm, Reflective stripe two horizontal and two vertical with 5cm width covering both front and back. Dept. of Disaster Management will be printed in deep blue and other in white colour. 1. Background fabric-65% polyester + 35% cotton inner surface adhering to Indian Standard as per EN 471. Polycotton is 170 GSM. 2.Colour - Florescent green/orange. 3. Reflective tapes-Photo reflective tapes of good quality for better reflectivity at low light.BSEN 471:2008 approved. Glass bead reflective tape coded as KE-50 having 50mm width. Colour of tape will be silver grey and glossy white in night time. 4. Reflective logo-Printed on PVC reflective sheeting of 75mm X 75 mm to write “DISASTER MGMT. & CIVIL DEF, DEPT” in English on front and “PASCHIMBANGA SARKAR” in bengali with symbol of Ashok Stambh on the reverse to be visible in dark.
3	Manila Rope 200 ft. 6mm dia	6mm dia and 200ft	6mm dia and 200ft with minimum breaking strength of 2.4 (kn) and safe load factor 0.20 kn. Minimum weight 0.027 kg / m.
4	Manila Rope 200 ft. 12mm dia	12mm dia and 200ft	12mm dia and 200ft with minimum breaking strength 10.6 KN, Safe load factor 0.88 KN and minimum weight 0.104 kg / m.
5	Telescopic Aluminium Ladder	Aluminium Ladder size –closed Height -18 ft , Extended Height -30 ft, Side Channel- Heavy duty Aluminium “ C” Channel of 75mm x 35 mm x 3.5mm (T), Steps-29mm Heavy duty Aluminium corrugated tubing , steps to be fitted with Aluminium flage for extra strength. Max.	Aluminium Ladder size –closed Height -18 ft , Extended Height -30 ft, Side Channel- Heavy duty Aluminium “ C” Channel of 75mm x 35 mm x 3.5mm (T), Steps - minimum 29 mm Heavy duty Aluminium corrugated tubing , steps to be fitted with Aluminium flange for extra strength. Max. load 150 kgs.

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6	First Aid Box with two manuals	Standard approved first Aid Box with the First-aid manual, Gauze pads, scissors,Bandages, Medical adhesive tape, Alcohol prep pads, Cold compress, Antibiotic ointment, Aspirin and /or non-aspirin pain relievers, tweezers and pins .	Standard approved first Aid Box with the First-aid manual, Gauze pads, scissors,Bandages, Medical adhesive tape, Alcohol prep pads, Cold compress, Antibiotic ointment, Aspirin and /or non-aspirin pain relievers, tweezers and pins, absorbant pure cotton balls (500 gm), antiseptic liquid, antiburn ointment.
7	Kitchen Utensils (Set)	Large –sized cooking vessel (2nos) with handle and a pan to act as a lid; a medium–sized cooking pot with handle and lid (2nos); a lateh vessel for food preparation or serving (2nos); a kitchen knife; four large flats for mixing food in cooking vessels & two wooden serving spoons ; food storage/serving vessels (5nos); 20-litre jerry can with a screw cap (2nos); 10 litre bucket with lid (2nos); dished plate, a metal spoon and a mug or drinking vessel (50set). All plastic goods (buckets, bowls, jerry cans,water storage vessels etc.) should be of food grade plastic and all cutlery, bowls, plates and mugs should be of stainless steel or other non–ferrous metal.	Large sized aluminium cooking vessel With lid 32 inch ID (±) 1/2 inch water capacity 200 Ltr, height 16 inch with four pcs handle and lid weight approx 23 kgs to 25 kgs. Medium sized aluminium cooking vessel With lid 24 inch ID (±) 1/2 inch water capacity 90 Ltr, height 12 inch with two pcs handle and lid weight approx 7.5 to 8.5 kgs. Lateh aluminium vessel for food preparation should be approx 18 inch dia or serving - 2nos Kitchen knife - Stainless Steel, 8 inch Blade - 3 nos. Stainless Steel / Heavy duty iron Large flat for mixing food in cooking vessel 36 inch - 4 nos. Stainless Steel serving spoon - 12 inch Food storage/serving vessel Aluminium handi 24 inch with lid, 5.600 kgs, 5 nos. 20 ltr jerry can with a screw cap pure food grade plastic - 2 nos 10 ltr bucket with a lid - food grade plastic 440 gms approx weight - 2 nos Stainless Steel Plate - 12 inch - 380 gms - 50 nos Stainless Steel Spoon - desert size - 25 gms - 50 pcs Stainless Steel Glass - 4.5 inch - 100 gms - 50 pcs Stainless Steel Jug - 2 pcs Standard size
8	Notice Board with Chicken net covering and locking	Lockable Notice Board of size 12 X 90 cm(W X H),with usable internal depth of 17mm,push pins to pin notices ,Acrylic cover, front Lockable Door ,Lockable for security supplied with two keys, with wall fixing kit.	Lockable Notice Board of size 120 X 90 cm (W X H),with usable internal depth of 17mm,push pins to pin notices ,Acrylic cover, front Lockable Door ,Lockable for security supplied with two keys, with wall fixing kit.

9	Plastic Table	PVC /Plastic Molded and made from 100% virgin polymer size.	ISI certified PVC / Plastic Molded and made from 100% virgin polymer size. Size:- 1220 mm/ 760 mm/ 750 mm.
10	Plastic Chair	PVC /Plastic Molded with arms rest and made from 100% virgin Polymer of size 548L X 555W X 850H mm.	PVC /Plastic Molded with arms rest and made from 100% virgin Polymer of size 548L X 555W X 850H mm. Branded with ISI Certified.
11	Solar Lantern	Solar Lantern Aurora 2 -Durable Lithium Batteries and Solar Panel	Solar Lantern with durable Lithium Batteries and Solar Panel Inbuilt (Portable), battery life of more than 24 hours, Lumen-75, plastic body .
12	Flexi-water tank 250 lit capacity	250 litre capacity Flexible Water Tank. To be suitable for carrying / storing drinking water with provision for suitable inlet and outlet. The tank should be provided with collapsible stand of 9 inches height.	250 litre capacity Flexible Water Tank. To be suitable for carrying / storing drinking water with provision for suitable inlet and outlet. The tank should be provided with collapsible stand of 9 inches height. (Branded with ISI Certified).
12	Safety Shoes (Gum Boot)	Industrial safety shoes with upper leather, steel toe, steel mid-plate, Acid & Alkali proof, of injection molded PU. (Size-10 NO)	Industrial safety shoes with upper leather, steel toe, steel mid-plate, Acid & Alkali proof, of injection molded PU. IS 15298 standard. (Size 7 - 3 nos, Size 8 - 3 nos, Size 9 - 2 nos, Size 10 - 2 nos)
13	Gloves	Rubber safety Gloves for the protection of the wrist, hand, fingers, and thumbs from adverse processes or conditions.	Rubber safety Gloves for the protection of the wrist, hand, fingers, and thumbs from adverse processes or conditions. (Medium-10 pairs and Large-10 pairs)
14	Radio	Portable radio with built in speaker , volume control , on and off switch, Tuning control and both battery & power supply (AC)	Standard Portable radio with built in speaker , volume control , on and off switch, Tuning control and both battery & power supply (AC) with FM facilities with USB compatibility of renowned brands
15	Water Filter 27 lit	Water filter of 27 Litre capacity, it holds very attractive and portable design. The whole body is made of stainless steel, which is easy to clean and hygienic while using. The top container comes with a lid for candle and the lower part contains a nickel plated tap, for instant flow of pure water.	Water filter of minimum 27 Litre capacity, it holds very attractive and portable design. The whole body is made of stainless steel, which is easy to clean and hygienic while using. The top container comes with a lid for candle and the lower part contains a nickel plated tap, for instant flow of pure water with ISI mark, of renowned brands
16	Helmet	Reputed Make, vented advance cap, cooling vent	Penetration resistant and high impact resistant industrial /

		for improved air circulation, 4 point suspension system, Leather contours above the ear for easy integration of hearing protection, Glare Guard under Brim to reduce reflective glare.	construction safety helmet complying with IS 2925 (1984) Standard.
17	Rain Suit	Adult male rain suit made up of water proof fabric, zip away concealed hood underarm & back ventilation, Access pockets, wide comfortable elasticated waist band, taped seams, Adjustable hem at legs and cuffs.	Adult male rain suit made up of water proof fabric, zip away concealed hood underarm & back ventilation, Access pockets, wide comfortable elasticated waist band, taped seams, Adjustable hem at legs and cuffs. (Large size) (Branded with ISI Certified).
18	Tarpaulin	Virgin HDPE Green and White Stripes Tarpaulin (160 GSM, 12 x 9 ft)	<p>LDPE / LLDPE Blue/Green Tarpaulin</p> <p>Specification of the film</p> <p>The film quality should conform to Type-I of BIS specifications IS:2508:2016 or its latest amendment. The thickness of the film will be 200 microns with a tolerance of $\pm 10\%$ as specified in IS:2508:2016. The film should be uniform in colour, of smooth texture and finish. The film should be free from pin holes and undispersed raw materials, streaks and particles of foreign matter. There should be no defect such as hole, tear or blisters visible to the naked eye. The film should be free from any objectionable odour. The percentage of carbon black in the film should be atleast 2.5% and its dispersion should be satisfactory. The tolerance on nominal thickness at any given point should be $(\pm)10\%$.</p> <p>UV Resistance</p> <p>The film shall be suitably UV stabilized by incorporating UV stabilizer or Carbon Black. The film, if manufactured by Carbon Black, shall contain minimum 2.5% of Carbon Black by mass when tested as per IS 2530 with a tolerance of $+10.5\%$. The Carbon Black will be tested as per Is 2530.</p> <p>Density at 23C (Clause 4.1.4)</p> <p>0.913 to 0.928 gm/ml as per IS 2508:2016</p>

			<p>Carbon Black Content (Clause 4.1.6a) Min. 2.5 as per Test Method of IS 2530:1963</p> <p>Dart Impact Resistance As per Type-I tests prescribed under IS 2508:2016</p> <p>Tear Resistance (Clause 4.10) As per Type-I tests prescribed under IS 2508:2016</p> <p>Ageing Test As per Type-I tests prescribed under IS 2508:2016</p> <p>Weight per piece 3.600 Kg +5% / -2.5%</p>
19	Handheld Tools Set (2 Spade,2 Pick Axe, 2 Crow bar,2 Large Axe, 2 Hand Saw and 2 Shovel)	The tools will consist of 2 spade, 2 Pick Axe, 2 Crow bar, 2 Large Axe, 2 Hand saw and 2 shovel .	<p>The tools will consist of 2 spade, 2 Pick Axe, 2 Crow bar, 2 Large Axe, 2 Hand saw and 2 shovel . ISI certified with hard wood handles</p> <p><u>Pick</u> <u>Axe</u> (<u>Point</u> + <u>Chisel</u>) L600mmXW40mm with Head weight 3.2 Kg made of medium to high carbon steel with handle length 900 mm</p> <p><u>Large Axe</u> L220mm X W145mm X Eye 65mm with head weight 2.3 kg and handle length of 900 mm material. High grade chromium steel.</p> <p><u>Spade</u> Dished rectangular curved blade L300mmX W200 mm with weight 1.6 kg, handle length 900 mm material - medium to high carbon steel.</p> <p><u>Shovel</u> 180' X 335 gm with weight 1.1 kg and handle length 900 mm material - medium to high carbon steel.</p>

			<u>Hand</u> 660 mm length made of high carbon steel. <u>Crowbar</u> Round section bar 30 mm diameter (tolerance \pm 5%), Length 1600 mm to 1800 mm and weight 8-10 kg forged from single piece of carbon steel.
20	Dust Bin (120 ltr)	Wheel Garbage Waste Dustbin 120 Litre (Green)	Wheeled Plastic Garbage Waste Dustbin 120 Litre with wheel and lock (Green-2 nos, Blue-2 nos, Yellow-2 nos) (ISI Certified).
21	Dust Bin (100 ltr)	100 L Wheel Waste Bin Green	120 L Wheeled Plastic Waste Bin Green (ISI Certified).
22	Dust Bin (110 ltr)	110 L Plastic Garbage Waste Dustbin (Blue) with Check Duster Cloth	120 L Wheeled Plastic Garbage Waste Dustbin (Blue) with Check Duster Cloth (ISI Certified).
23	Durry/Rug Carpet	12ft X 12ft Durry /Carpet made of pure cotton, washable suitable for indoor and outdoor use.	12ft X 12ft Durry /Carpet made of pure cotton, washable suitable for indoor and outdoor use. (Thickness: 0.394 inch / 1 cm and approx weight 9.0 kg, 100 gm tolerance)

Modified Qualification Criteria as proposed by the Advisory Committee

vide Order No: 176-PSDM&CD/21 Dated: 16/08/2021

In Place of	Please Read
<p>Existing Qualification Criteria (ITB 32.1) TECHNICAL PART 1. Qualification (ITB 32) 1.1 Qualification Criteria (ITB 32.1) The Purchaser shall assess each Bid against the following Qualification Criteria. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.</p> <p>A. If the Bidder is a manufacturer (a) Financial Capability The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):</p> <p>(i) Minimum average annual turnover of Rs. 15 (fifteen) Cr., calculated as total certified payments received for contracts in progress or completed, within the last three (3) years.</p> <p>(ii) Working capital in the year, proceeding the year of bid submission shall not be less than Rs. 2.5 Cr.</p> <p>(b) Experience and Technical Capability The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):</p> <p>Must have experience in supply of at least 80% of Items similar to the list of items in the present bid in a single/multiple contract in last five financial years.</p>	<p>Proposed Modified Qualification Criteria (ITB 32.1) TECHNICAL PART 1 Qualification (ITB 32) 1.1 Qualification Criteria (ITB 32.1)</p> <p>The Purchaser shall assess each Bid against the following Qualification Criteria. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.</p> <p>(1) Financial Capability The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):</p> <p>(i) Minimum average annual turnover of Rs. 10 (ten) Cr. calculated as total certified payments received for contracts in progress or completed, within the last five (5) financial years i.e. 2016-17, 2017-18, 2018-19, 2019-20 & 2020-21.</p> <p>(ii) Working capital in the year, proceeding the year of bid submission shall not be less than Rs. 2.5 Cr.</p> <p>(iii) Experience and Technical Capability</p>

<p>(c) The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: list attached with the IFB</p> <p>(i) All the equipment, tools and goods listed in the BoQ should conform to tests mentioned in the Specifications and necessary certificate with respect to quality tests should be enclosed with bid.</p> <p>(d) The Bidder must furnish details of supplies made by him in the last five years in proforma attached in Section IV.</p> <p>B. If Bidder is not a manufacturer If a Bidder is not a manufacturer, but is offering the Goods on behalf of the Manufacturer under Manufacturer's Authorization Form (Section IV, Bidding Forms), the Manufacturer shall demonstrate the above qualifications (i), (ii), (iii) and the Bidder shall demonstrate that it has successfully completed at least 2(Two) contracts of at least 80% of similar goods in the past 5(Five) Years.</p>	<p>The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):</p> <p>Must have experience in supply of Items similar to the list of items in the present bid amounting to Rs. 4.00 Crore in a single/multiple contract in any of the last five financial years to Central Govt. / State Govt. / Autonomous bodies / Private Enterprise. Documents are subjected to proper and further verification before acceptance.</p>
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PROJECT MANAGER
SPIU, NCRMP-II,
Department of Disaster Management Department & Civil Defence