

List of Construction Materials to Establish Non-Fixed Price Framework Agreement for 2 years

S/L	Description of Item
1	1st Class Brick: Size: 242 X 114 X 70 mm, tolerance for length is ± 3 mm and width and thickness ± 1.5 mm, Colour: Uniform crimson red, Shape: Sharp edge & plain surface, Sound: Knocking two bricks with each other should give metallic sound, Nail test: should not have any fingernail impression upon scratching, Strength: Min. 17.2 MPa (2500 psi)
2	Bricks Chips: 1st class pigged bricks chips, Size: 20 ± 3 mm downgraded, conforming to ASTM C33, Particles contents finer than 9.50 mm should not be more than 50%, Particles finer than 4.75 mm should not be more than 10%, Cleanliness: Should be free from dirt, organic materials, debris, etc.
3	Cement: Portland Composite Cement (PCC) conforming to ASTM C150 Type I or EN 197 CEM II, CEM IIIA or CEM IIIB, grade 42.5 Mpa, Smoothness: Should be free from grains or lumps, Packaging: Every packet should be in good condition, intact and dry, showing cement type, net weight, date of manufacturing. 50 kg per bag.
4	Construction sand: Min FM(1.2-1.8) FM (River sand, Golden or white colour), Sand will be free from all harmful ingredients, (exp: silt, salt, organic matter, any other foreign materials).
5	Local Sand (Filling Sand): Min FM(0.8-1.2) FM (River sand, Golden or white colour), Sand will be free from all harmful ingredients, (exp: silt, salt, organic matter, any other foreign materials).
6	Construction Sand: Medium Sand for Masoning Minimum FM 2.0-2.5 FM.
7	Construction sand: Sand Sylhet sand (red sand) for Masoning Minimum 2.6 FM.
8	MS Rod : 10MM MS Rod Appearance: Should be free from surface imperfections (i.e. include, but are not limited to rust, laps, seams, scabs, slivers, cooling or casting cracks, mill or guide marks, etc.), Strength: 420 MPa (60 ksi), Bending test: 180° bend around a pin of 35 mm diameter should not cause any crack on the outside radius, Certification: The manufacturer should provide relevant certificates and test results (i.e. tensile strength, max. elongation, elasticity, etc.) from reputed organizations, not older than 3 months.
9	Geo-textile Roll: Size-100 Meter Roll x 5 Mtr wide, Color: Gray, Fabric: Non-Woven Engineered Fabric, Thickness: GSM 500, Purpose: Erosion protection.
10	Geo-textile Bag: Size-36" x 22" wide, Color: Gray, Fabric: Non-Woven Engineered Fabric, Thickness: GSM 350, Purpose: Erosion protection.
11	Pipe: 2" U-PVC Pipe, Class-C1, 2.5 -2.80 mm thickness
12	Pipe: 2.5" U-PVC Pipe, Class-C1, 3-3.5 mm thickness
13	Pipe: 3" dia PVC Pipe white Colure 2.7mm -3.00mm thickness
14	Borak Bamboo : Length 20 feet, Diameter: Bottom: 3.5 inch to 4 inch, dia less than 3.5 inch should not be allowed, Age: 3 – 5 years old, naturally matured. North area Bamboo. Not accepted local low thickness bamboo.
15	Borak Bamboo Treated : Length 20 feet, Diameter: Bottom: 3.5 inch to 4 inch, dia less than 3.5 inch should not be allowed, Age: 3 – 5 years old, naturally matured. North area Bamboo. Not accepted local low thickness bamboo.
16	Muli Bamboo : Muli Bamboo, Length min 16 feet, Diameter: Bottom: min 1.6 inch(Measurement at 1/3 length from the toe of the bamboo). No insect, Mouldy and fungi defect in the circumstance. Naturally matured.
17	Tarpaulin: 6MX4M humanitarian grade (260 GSM). Color: preferably white or blue/grey, sun reflective on both sides. Inner black fibers to ensure opacity. e.g. 300 gsm, (6MX4M size 1 Tarpaulin=6.3.00 kg), Gread:1
18	Tarpaulin: (Size: 5.5 X 9 Meter), Color: preferably Green, sun reflective on both sides. Inner black fibers to ensure capacity. E.g. 400 gsm Minimum weight-9 Kg which only for FSM Repairing and maintenance purpose.
19	Nylon Rope Dia:6mm: Colour: black/blue/dark green, Woven with minimum 2 or 3 strands with the possibility of being unravelled and Elastic & Soft.
20	Nylon Rope Dia:3mm: Colour: black/blue/dark green, Woven with minimum 2 or 3 strands with the possibility of being unravelled and Elastic & Soft.
21	Nylon Rope Dia:2mm: Colour: black/blue/dark green, Woven with minimum 2 or 3 strands with the possibility of being unravelled and Elastic & Soft.
22	1.3 mm GI Wire: Low carbon steel, hot dip galvanised tie wire 16 gauge
23	Jute bags: A standard natural jute sack, size approx. Plain weave with center stitched line, suitable for packing 50–60 kg dry goods such as rice and grains. Strong, reusable, biodegradable, and moisture content below 14%.
24	Plastic Bag: 3'-0" x 1'-10" size, Capacity 50 Kg Plastic Bag
25	Lock & Chain: Padlock: 60 mm size padlock with hardened steel/brass body, complete with keys. Thick cast iron chain (min. 3 feet long)
26	Polythene: Colour: Solid Black, Material Type: Low-Density Polyethylene (LDPE), Thickness (Gauge): 250 gauge/ 75 microns. Width: 2m, Length=50 to 100m, ISO 9001 certified manufacturing, Rolls to be shrink-wrapped or packed in moisture-proof bags.
27	CGI Sheet/ Tin: 30 SBW GI Tin Long: 7'-0" Long 2'-6" Wide for roofing and Fenching (Color: Green)
28	Wooden Batten (Akashmoni) : Size: 2" X 2" Height 6'-0" Long , Size: 2.5" X 1.5" Height 6'-0" Long , Size: 1" X 1" Height 6'-0" Long

29	Plain Galvanized Iron Sheet: .46 mm thick (Colored) Plain Galvanized Iron Sheet for Wall Fencing Wide-3'-0" (Good quality).
30	RCC Piler: 09' ft 6" Inch height pre-cast pile (4"x4") Size: 8 mm Vertical Bar 3 Nos and 6 mm Tie 7" C/C with reinforcement cement concrete works.
31	Plastic Fiber Sheet: 1mm thick (colored) Corrugated Plastic Branded Fiber Sheet for Roofing White Color, Size: (7'-0" X 2'-8")
32	48" inch dia RCC Ring: 2.25" thickness and 6 mm MS Rod/bar used @ 150 mm(6") C/C both direction and Casting Ratio 1:1.5:3 RCC Ring height 1'-0" as per the drawing and instruction of Engineer-in -charge.
33	2.5" dia Cloth Hose Pipe 18 BAR Good Quality
34	Nuts & Bolt including Washers: (1). Bolt size will be 14 inch long of 12mm dia, (2). Bolt size will be 10 inch long of 12mm dia. Full threaded mild steel bar Nuts (Computable with 12 mm Threaded rod)-mild steel made, Internal Diameter 12MM.Tolerance 0.5MM, outer Diameter 18-19 MM, wall thickness minimum 4 mm
35	Steel Nail: 2/3/4 inchi: Mild steel nails, available in 2", 3", and 4" lengths, durable, rust-resistant, and sharp-pointed for easy fixing. Suitable for general construction, carpentry, and bamboo/woodwork applications. Uniform size and free from defects.
36	MS Stirrup (MS Kharu/Churi): 3" × 3", made from 8 mm deformed MS rod, factory-fabricated with standard hooks, rust-free, and conforming to BDS/ASTM/BS equivalent standards for RCC works.
37	G.I wair 24no: Supply of 24 gauge galvanized iron wire, rust-free and suitable for binding and fixing works.
38	MS angel for Barbed net setup /fitting (1.5"*1.5"*4mm)-2.5 ft long with 6" spacing five Hole: Supply of 1.5"×1.5"×4 mm MS angle, 2.5 ft long with five holes at 6" spacing for barbed net fixing.
39	GI Barbed Net 12no with blade: GI Barbed Wire 12 Gauge with Razor Blade: Supply of 12 gauge GI barbed wire with razor blade suitable for security fencing.
40	MS Angle Bar: Different size (mm)- Supply of mild steel (MS) angle bar of approved size and thickness, manufactured from quality steel, straight, free from bends, cracks, and rust, and conforming to relevant BDS/ASTM/BS equivalent standards. The material shall be suitable for structural and fabrication works as per approved drawings and specifications.
41	Centering wood for AC lintel and Grade beam casting boundary wall: Supply of good quality timber suitable for lintel and grade beam shuttering works different size
42	0.51mm/24 Gauge Thickness Plain GI Sheet For Door: Supply of 0.51 mm thick (24 gauge) plain GI sheet for door fabrication.
43	Tup nail (350 pcs): Supply of galvanized roofing nails complete with washer for GI sheet fixing.
44	Kobja (Hinge): Supply of heavy-duty steel hinges of approved size.(3"/4")
45	Hasbolt: Supply of steel hasbolt with locking provision.standard size
46	Handle with Locker: Supply of door handle complete with locking arrangement and keys.for wooden door
47	Industrial Tin(profile sheet): Supply of 0.500 mm thick corrugated galvanized iron (GI) sheet of approved quality and manufacture equivalent to High standard, suitable for roofing and cladding works. The sheets shall be rust-free, free from defects, and conform to BDS/ASTM/BS or equivalent international standards.
48	PE Foam Insulation(5mm): Supply of polyethylene foam insulation sheet thickness-5mm.
49	Top Tin Joint Sheet (Konais): Supply of GI ridge cap sheet measuring 18"×10' for industrial tin setup
50	Red Oxide: Supply of anti-corrosive red oxide primer for steel protection.
51	Lupin Screw (2.5"): Supply of 2.5-inch self-tapping screw for sheet fixing works.
52	10" Angle for Binder (Mosora): Supply of 10-inch MS angle suitable for binder support works.
53	4" PVC Pipe: Supply of 4-inch PVC pipe for roof drainage, 20 ft length.
54	4" PVC Elbow: Supply of 4-inch PVC elbow fitting of approved quality.
55	4" PVC Tee: Supply of PVC tee fitting matching pipe size.
56	4" PVC End Cap: Supply of 4-inch PVC end cap of approved quality.
57	Angle for Binder: 1'-6" long u shape -Supply of MS angle of approved size for binder support.
58	2.5 RM Electric Wire: Supply of 2.5 sq.mm PVC insulated copper wire.
59	20 mm Wiring Pipe: Supply of 20 mm PVC conduit pipe for electrical wiring.
60	20 mm Wiring Clamp: Supply of clamp suitable for 20 mm conduit pipe.
61	20 mm Wiring Pipe Elbow: Supply of elbow fitting for 20 mm conduit pipe.
62	3 Gang Switch Board with Switch: Supply of complete 3-gang switch board with switches and cover plate.
63	Switch: Supply of modular electrical switch of approved quality.
64	2 Pin Socket: Supply of 2-pin electrical socket of approved quality.
65	Light Holder: Supply of PVC/bakelite light holder suitable for LED lamps.
66	3 Pin Socket: Supply of 3-pin socket with earthing provision.
67	LED Light: Supply of energy-efficient LED light complete with accessories.
68	Ceiling Fan 56": Supply of 56-inch ceiling fan complete with accessories.
69	Ceiling Fan Regulator: Supply of fan regulator with smooth speed control.
70	Stainless Steel Lock (75 mm): Supply of 75 mm stainless steel lock complete with three keys.

71	Circuit Breaker 3A: Supply of 3 Amp circuit breaker for electrical protection.
72	Auto Circuit Breaker 5A: Supply of 5 Amp automatic circuit breaker.
73	2 Pin & 3 Pin Combined Socket: Supply of combined socket outlet with proper insulation.
74	LED Backup Light: Supply of rechargeable LED emergency backup light.
75	Pan Hook: Supply of galvanized steel hook for fan and light fixing.
76	GI Wire 18 Gauge: Supply of 18 gauge galvanized iron wire for fixing and tying works.
77	Corrugated roofing sheet(Tin) : Supply of 0.42 mm(7ft long 30" wide)thick corrugated Tin for roofing and side walls.
78	3 Gang Switch Board: Supply of 3 gang switch board with three switches, complete with face plate and box, made of high-quality, fire-resistant material and conforming to relevant standards.
79	Circuit Breaker 5A: Supply of 5 Amp circuit breaker of approved quality.
80	Solar Battery 80 Ah: Supply of 80 Ah maintenance-free solar battery.
81	Solar Panel 150W: Supply of 150W solar panel complete with accessories.
82	Solar Bulb 12W: Supply of 12W LED solar bulb.
83	Pan Hook (Standard Size): Supply of MS pan hook of standard size, galvanized
84	Four Pin Multiplug: Supply of four-pin multiplug board.
85	Solar Cable: Supply of insulated solar cable of approved size.
86	Costape: Supply of electrical insulation tape of approved quality.
87	Solar Control Box: Solar Accessories: Supply of all necessary solar accessories including MC4 connectors, DC cables, cable lugs, junction boxes, mounting hardware, fasteners, and other fittings required for complete installation and commissioning of the solar system.
88	Solar Accessories: Solar Accessories: Supply of all necessary solar accessories including MC4 connectors, DC cables, cable lugs, junction boxes, mounting hardware, fasteners, and other fittings required for complete installation and commissioning of the solar system.
89	Stone Chips: Supply of clean and hard stone chips free from dust and impurities. 3/4inch size
Along with any other construction materials beyond the above list, as required.	