

"BOMBAY GYMKHANA LTD. Mahatma Gandhi Road, Fort, Mumbai 400 001 + 91 22 4322 3400 bombaygymkhana.com"			230-BGKL--FSS-F-01
Project	Bombay Ghymkhana Ltd		R0
Subject	Bill of Quantities for Fire Hydrant System		11/13/2023

- NOTES:**
- 1) I.R or R.O. means Item Rate Only.
 - 2) In case of any discrepancy between the drawings, specifications and the BOQ, the BOQ shall be considered for the tender.
 - 3) Description of the items here in are brief. Contractor shall supply and install all accessories, supports, consumables as per specifications and / or as required to complete the system. Rates shall include provision of all such components.
 - 4) 'S' under Rate and Amount shall mean Supply only. 'ITC', under Rate and Amount shall mean Installation, Testing, Commissioning including supply of installation and all required accessories and consumables with Wastage on materials and labour.
 - 5) Loading, transporting, unloading, handling/double handling, hoisting to all levels, setting, fitting and fixing in position, protecting, disposal of debris and all other labour necessary in and for the full and entire execution and for the job in accordance with the contract documents good practice and recognize principles.
 - 6) The Contractor shall procure and bring Materials/Equipment to the site only on the basis of drawings approved for construction and shop drawings and not on the basis of Schedule of Quantities which are approximate only. This also applies to the Contractor's requisition for Owner supplied materials.
 - 7) The unit rate for all local equipment or materials (not being procured against duty benefit) in Indian Rupees shall include cost of equipment and materials including all taxes and duties and also including forwarding, freight, insurance and transport into Contractor's store at site, storage, installation, testing, balancing, commissioning and other works required.
 - 8) BOQ items are Mentioned in Yellow Colour are Standard BOM, But as per the site condition it Can't be installed
 - 8) There is no place to install 30000 Ltr Tank for Booster Pump as a Heritage building

Hydrant System BOQ

Sr no	Description	Unit	Qty	Rate	Total Amount
1	Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, of 1800LPM (Litres/min.) at 56m centrifugal type pump	Nos	1		
2	SITC of Booster Pump of 450 LPM at 35 m head	Nos	1	NA	NA
3	FIRE FIGHTING ELECTRICAL PANEL	Nos	1	NA	NA
4	Stardelta Starter Panel for Hydrant Pump	Nos	1		
5	Remote control switch for booster pump	Nos	2	NA	NA
6	Providing and fixing in position G.I. Heavy grade 'C' class pipes (I.S. 1239 part I) of 100 mm with necessary clamping to wall beams and ceilings with hangers and clamps anchor fasteners wherever required to firmly support piping	Rmtr	320		
7	Providing and fixing in position G.I. Heavy grade 'C' class pipes (I.S. 1239 part I) of 80 mm with necessary clamping to wall beams and ceilings with hangers and clamps anchor fasteners wherever required to firmly support piping	Rmtr	12	NA	NA
8	Providing and fixing in position G.I. Heavy grade 'C' class pipes (I.S. 1239 part I) of 25 mm with necessary clamping to wall beams and ceilings with hangers and clamps anchor fasteners wherever required to firmly support piping	Rmtr	10		
9	Supplying and installing gun metal single outlet hydrant valve fitted with necessary accessories	Nos	8		
10	Supply, Fixing, testing & commissioning of Fire hose reel box suitable to accommodate 2 nos of 15 m long canvas hoses, (Approx 0.75 m (high) x 0.6 m (wide) x 0.3 m (deep) MOC is 18 gauge MS sheet.	Nos	8		

11	Supply, Fixing, testing & commissioning of 63 mm dia canvas hose including Brass male and female instantaneous type coupling approved by fire authority, machine wound with copper wire complete in all respects. Hose shall conform to IS 636 Type II and coupling to IS 903 -1975(ISI marked) :-15 mlength	Nos	16		
12	Supply, Fixing, testing & commissioning of swinging type First Aid hose reel drum with 30 mtr long and 20 mm dia heavy duty rubber water hose with with 5 mm outlet SS nozzle with shut off valve(I.S. 884-1969) complete with MS socket for tap-off, drum and brackets for fixing on wall complete as required.	Nos	2		
13	Supply, installation, testing & commissioning of Fire brigade breaching connection with two twin headed 63mm valves, stand post and 100 mm GI 'C' class pipe for mounting the stand post etc. with 100 mm non- return valve and 100mm Butterfly valve etc. as specified. (Fire connection to Tank)	Nos	1		
14	Supply, installation, testing & commissioning of Siamese connection with 2 Nos 63 mm outlets,stand post and 150 mm GI 'C' Class pipe for mounting the stand post etc. with 100 mm non- return valve and 100 mm butterfly valve etc. complete. (Fire connection to External Hydrant Ring)	Nos	1		
15	Supply, Fixing, testing & commissioning of 63 mm .dia instantaneous pattern branch short SS pipe, 20 mm dia SS nozzle suitable for inter connection to SS hose pipe coupling complete as required. (ISI marked)	Nos	8		
16	Supply, laying, testing & commissioning of C.I. butterfly valves of PN 10 with mating flanges generally as specified complete for Yard hydrant :- 100 n.b	Nos	2		
17	Supply, laying, testing & commissioning of C.I. butterfly valves of PN 10 with mating flangesgenerally as specified complete for Yard hydrant :- 80 n.b	Nos	2	NA	NA
18	Supply, installation testing and commissioning of double flanged C.I Y strainers with C.I body and brass strainer: 80 mm	Nos	1	NA	NA
19	Supply, installation, testing, commissioning of best Indian make IS stamped C.I. non return valve complete with all fittings, pipe supports, clamps, painting etc.as per specification:Pressure class PN 10 :- 80 mm	Nos	1	NA	NA
20	Supply, installation, testing, commissioning of best Indian make IS stamped C.I. non return valve complete with all fittings, pipe supports, clamps, painting etc.as per specification:Pressure class PN 10 :- 100 mm	Nos	1		
21	Providing, testing and commissioning of 100 mm dial type pressure gauge with pressure scale of 0 to 10 Kg / sqm.with pressure switch. Provision of isolation ball valve	Nos	2		
22	Supply, installation, testing, commissioning of forged brass Ball Valves complete with all fittings, pipe supports, clamps, painting etc.as per specification. Pressure class PN 10.:- 25 n.b	Nos	2		
23	Supplying and installing pressure switch with 12/15 mm Ø isolation valve, G.I. nipple, elbow etc.	Nos	1		

24	Power Cabling (XLPE / PVC) Supply and laying heavy duty 1100V grade XLPE insulated sheathed & armoured FRLS cables with Cu conductors as specified in the specification and as shown on drgs. complete with: a) Cable clamps on walls, columns, beams. b) Earthing the glands armouring etc. c) Cable Laying on cable tray/Suitable dia GI conduit from Starter panel to motor with all accessories, screws, spacers, clamps, z-sections etc: 3C X 10 sqmm 2XFY CABLE	Rmtr	20		
25	Power Cabling (XLPE / PVC) Supply and laying heavy duty 1100V grade XLPE insulated sheathed & armoured FRLS cables with Cu conductors as specified in the specification and as shown on drgs. complete with: a) Cable clamps on walls, columns, beams. b) Earthing the glands armouring etc. c) Cable Laying on cable tray/Suitable dia GI conduit from Starter panel to motor with all accessories, screws, spacers, clamps, z-sections etc: 4C X 4 sqmm 2XFY CABLE	Rmtr	120	NA	NA
26	4cx2.5 sq mm cu felxible cable	Rmtr	75	NA	NA
27	Earth wire/strips Supply & laying Cu/G.I. earthing strips for interconnecting the earthing stations, panels, DB's, pumps, chillers, exhaust fans etc. in built-up trenches, on walls/ceiling, buried in ground, generally as specified & shown on drawings complete with; a) Fixing accessories. b) Corrosion protection of buried conductors with bituminous coating and covered with PVC tapes. GI Strips,; 25 x 6 mm G.I. strip EARTHING	Rmtr	30		
28	Cable Termination Making all cable end terminations of both sides including brass double compression glands and crimping type copper lugsfor cable sizes mentioned below of copper orAluminium & as specified in the specification: 3C X 10 sqmm 2XFY CABLE	Set	4		
29	Cable Termination Making all cable end terminations of both sides including brass double compression glands and crimping type copper lugsfor cable sizes mentioned below of copper orAluminium & as specified in the specification: 4C X 4 sqmm 2XFY CABLE	Set	4	NA	NA
30	Supplying & installing moulded HDP / Fibre water tank. for -ve suction only, having capacity 500 ltrs.fitted with necessary accessories complete as per specification	Nos	1		
31	Foot Valve: Supplying and installing cast iron 100 mm foot valve ball type/flap type for negative suction	Nos	1		
Total amount					₹0.00
GST @18-%					₹0.00
Grand Total					₹0.00