



MAHATMA GANDHI MISSION TRUST
MGM INSTITUTE OF HEALTH SCIENCES, CENTRAL PURCHASE DEPARTMENT (CPD)
Plot 1 & 2, Sector -1 Kamothe, Navi Mumbai 410209

E-Tender of FIRE FIGHTING SYSTEM FOR BUNKER (MEP)

Tenders invited from reputed Manufactures or their authorised distributors / dealers of Fire fighting system for MEP of Bunker - (Mechanical, Electrical and Plumbing), for supply & Installation at MGM New Bombay Hospital, Vashi, Navi Mumbai in the format given below:

Name & Address of Vendor: _____

MGM NEW BOMBAY HOSPITAL,
VASHI.

NAVI MUMBAI.

FIRE FIGHTING SYSTEM - BOQ

Sl. No.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT (RS)
	FIRE FIGHTING SYSTEM				
1.0	HYDRANT SYSTEM				
1.1	Supply and installation of internal and external hydrants as shown on drawings and meeting the intents of specifications				
1.1.1	Internal hydrants/landing valves generally as specified & shown on drawings complete with: i) Single headed SS landing valve. ii) 25 mm dia first aid rubber hose on G.I reel iii) 63 mm dia Reinforced Rubber lined canvas hoses 2# 15m long. iv) 20 mm dia branch pipe & nozzle.	1	Each		
1.1.2	MS powder coated 2 mm glass front door of approved design. (2100 (H) x 900 (W)) size	1	Each		
	Total for 1.0				
2.0	SPRINKLER SYSTEM				

Sl. No.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT (RS)
2.1	Supply and installation of chromium plated quick response sprinklers generally as specified complete with escutcheon plates as shown on drgs.				
2.1.1	Recessed type 20/15mm 68°C	57	Each		
2.1.2	Upright type 20/15mm 68°C	61	Each		
2.2	Supply of Spare Sprinklers individually packed in polythene bags.				
2.2.1	Recessed type 20/15mm 68°C	24	Each		
2.2.2	Upright type 20/15mm 68°C	24	Each		
2.2.3	Spanner / Pipe Wrench for the above sprinklers	2	Set		
	Total for 2.0				
3.0	PIPING FOR FIRE FIGHTING				
3.1	Internal Piping				
3.1.1	Supply, Installation, Testing & Commissioning of 'C' class heavy duty G.I Pipe conforming to IS:1239 upto 150 mm dia & GI pipe of ERW Black steel pipe conforming to class 2 of IS 3589 above 150 mm dia including fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. fixing the pipe on the wall / ceiling with suitable clamps and painting with one coat of Zinc primer & two coat of synthetic enamel paint of required shade complete as required. (wherever pipes pass through the brick or masonry/slab openings, the gaps shall be sealed with fire sealant such as fire barrier caulks.)				
3.1.1.1	150 n.b with welded Joints	105	Mtr		
3.1.1.2	100 n.b with welded Joints	RO	Mtr		
3.1.1.3	65 n.b with welded Joints	20	Mtr		
3.1.1.4	50 n.b with heavy duty Socket welded fittings	22	Mtr		
3.1.1.5	40 n.b with heavy duty Socket welded fittings	48	Mtr		
3.1.1.6	32 n.b with heavy duty Socket welded fittings	RO	Mtr		
3.1.1.7	25 n.b with heavy duty Soceket welded fittings	120	Mtr		

SI. No.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT (RS)
3.2.1	Supply & installation of flexible sprinkler hose pipe with OEM specified brackets.				
3.2.1.1	Flexible Hose pipe of 1000 mm length in Braided corrugated SS flex tube, for connecting pendant sprinklers to branch lines complete with all necessary accessories, reducers, O-rings, nipples etc., supporting structural arrangements in the false ceiling/slab as per site requirement for the below lengths and tested for min 15 Kg/Sq.cm pressure with G.I. retainer rings & guide bolts complete as required and as specified.	61	Each		
3.2.1.2	Flexible Hose pipe of 1500 mm length in Braided corrugated SS flex tube, for connecting pendant sprinklers to branch lines complete with all necessary accessories, reducers, O-rings, nipples etc., supporting structural arrangements in the false ceiling/slab as per site requirement for the below lengths and tested for min 15 Kg/Sq.cm pressure with G.I. retainer rings & guide bolts complete as required and as specified.	RO	Each		
	Total for 3.0				
4.0	Supply & Installation of valves & other accessories (PN 16 rating)				
4.1	Supplying, Fixing, Testing and commissioning of Gear operated Butterfly valves with tamper proof switch and holding flanges generally complete as specified.				
4.1.1	150 n.b.	1	Each		
4.1.2	100 n.b.	RO	Each		
	(Gear operated Butterfly valve with tamper proof switch must be a single item)				

Sl. No.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	AMOUNT (RS)
4.2	Supply, Installation,testing & commissioning of Forged Brass Two piece Ball valves with supports etc.				
4.2.1	25 n.b gun metal (screwed)	1	Each		
4.2.2	50 n.b gun metal (screwed)	1	Each		
4.3	Supply, installation, testing, flow switch with retard (0-60 Seconds) assembly complete with flanges or union connections.				
4.3.1	Size 150 mm	1	Each		
4.3.2	Size 100 mm	RO	Each		
4.4	Supply, Installation, Testing and Commissioning of Pressure gauge 0-200 PSI (0-35 Kg) range 3/8' BSP bottom entry, 4' dial weather proof with SS internals, syphon tube and ball valve including fittings etc. complete as required.	1	Each		
4.5	Supply, Installation, testing & commissioning of Sprinkler Inspectors's test and end drain assembly with Gun Metal isolation valve, Gun Metal sight glass valve and connected to line drain fitting complete as per drawing.	1	Each		
Total for 4.0					
5.0	PORTABLE FIRE EXTINGUISHERS				
5.1	Supply & Installation of ISI marked portable type fire extinguishers of CO2 type 3.0 kg capacity as per IS- 15683 complete as per specification and fixed / install as per site condition :	RO	Each		
5.2	Supply & Installation of ISI marked portable type fire extinguishers of 4.5 Kg capacity CO2 type as per IS- 15683 complete as per specification and fixed / install as per site condition:	5	Each		
5.3	Supply & Installation of ISI marked portable type fire extinguishers of 5 Kg capacity ABC Dry Chemical powder (MAP 90) as per IS- 15683 complete as per specification and fixed / install as per site condition :	1	Each		
5.4	Supply & Installation of Ceiling mounted automatic fire extinguisher (Dry Chemical powder) of 10KG capacity including all fitting and accessories as per dwg and spec as complete required.	4	Each		
5.5	Supply & Installation of Ceiling mounted automatic fire extinguisher (Dry Chemical powder) of 5KG capacity including all fitting and accessories as per dwg and spec as complete required.	RO	Each		
Total for 5.0					
Grand Total for 1.0+2.0+3.0+4.0+5.0					

