

PROJECT : REVAMPING OF FIRE & SAFETY MEASURES AT NORKA CENTRE					
CLIENT:M/S.NORKA ROOTS					
LOCATION: TRIVANDRUM					
NAME OF BIDDER :					
CONTACT NUMBER:					
Sl. No.	Description	Unit	Quantity	Rate	Total
FIRE HYDRANT SYSTEM					
1	PRESSURE GAUGE				
	Supplying, installing ,testing and commissioning of Pressure gauges located at fire pump delivery header with 0 to 100PSI, Dial should be 150 mm dia.	Nos	2		
	<i>Make -H Guru/Micro/Mass</i>				
2	PRESSURE SWITCH				
	Supplying, installing ,testing and commissioning of Pressure switches of suitable range for pump sets with all standard accessories.	Nos	4		
	<i>Make -Indfoss/Danfoss</i>				
3	AIR CUSSION VESSEL				
a	Supply, installation, testing and commissioning of Bladder type air cushion Vessel with-stand pressure of 16 kg/cm2 with automatic air releases valve ball valve,drain pipe, drain valve and shut off valve.(Fabricated type not allowed)	Nos	1		
	<i>Make-Wellmate</i>				
4	Above Ground Piping				
	Supply,Installation,Testing and Commissioning of MS 'C' class pipe as per is heavy grade of following dia, with necessary fittings such as nuts & bolts, bends, flanges ,etc and Welded joints, The pipe shall be painted with two coats red colour enamel paint over primary coat of Primer.				
a	100 mm dia	Mtrs	126		
b	80 mm dia	Mtrs	36		
c	65 mm dia	Mtrs	12		
d	32 mm dia	Mtrs	12		
e	25 mm dia	Mtrs	240		
	<i>Make - Jindal</i>				
5	Butterfly Valve				
	Supply,Installation,Testing and Commissioning of butterfly valve wafer type Stainless steel/SG iron disc , lever operated as per IS:13095 in PN 1.6 , teflon or nylon bushing, nitrile O rings in standard mounting flanges with hand lever type.				
a	100mm dia	Nos	9		
b	80 mm dia	Nos.	2		
	<i>Make - Lehry/Kartar/intervalve</i>				
6	Non Return Valve				
	Supply,Installation,Testing and Commissioning of Non Return Valve single plate wafer type slim seal check valve, short pattern type with integral hinge pin disc , nitrile rubber O - ring seat and face sealing as per IS: 5312 .				
a	100 mm dia	Nos	4		
b	80 mm dia	Nos	1		
	<i>Make - Lehry/Kartar/intervalve</i>				
7	Foot Valve				
	Supply,Installation,Testing and Commissioning of Foot Valve				
	100 mm dia	Nos	3		
	80 mm dia	Nos	1		
	<i>Make - Kartar</i>				
8	Ball Valve				
	Supply,Installation,Testing and Commissioning of Ball Valve as per IS 5312				
a	25 mm dia	Nos	18		
b	20 mm dia	Nos	24		
	<i>Make - Kartar/New G</i>				
9	Hydrant Valve				
	Supply,Installation,Testing and Commissioning of Hydrant valve 63 mm dia oblique type with SS body working parts, with instantaneous hose coupling adaptor and PVC blank cap & chain.	Nos	12		
	<i>Make -Newage/Winco</i>				
10	Branch Pipe				
	Supply,Installation,Testing and Commissioning of branch pipe made out of SS short male instant. Inlet male threaded outlet, fitting with 15 mm bore nozzle ISI	Nos	12		
	<i>Make -Newage/Winco</i>				

11	Fire Hose				
	Supply,Installation,Testing and Commissioning of Fire Fighting Hose , all synthetic fiber circular woven jacketed,control percolated delivery hose , 38kg/cm2 burst pressure, 22kg/cm2 proof pressure, 14 kg/cm2 working pressure, bearing IS:636-88 type B , in 15 mtrs length, 63 mm dia, duly bounded with SS body coupling 63 mm dia pair of male & female parts, instantaneous type .	Nos	12		
	<i>Make -Newage/Winco</i>				
12	Hose Reel Drum				
	Supplying, Installing, Testing & Commissioning of Hose reel drum made of Mild Steel, with mounting brackets 19 mm dia nylon braded smooth surface rubber thermo plast hose 30 mtrs length with shut off nozzle	Nos	10		
	<i>Make Monsher/Newage</i>				
13	Hose Box				
	Supply,Installation,Testing and Commissioning of Hose Box (Fire Hose cabinet) to accommodate one piece of 63 mm dia fire hose along with one pair of 63 mm dia male & female couplings and one branch pipe. The cabinet is made of Aluminium with glass fronted hinged doors and lock.	Nos	4		
	<i>Make - Friends</i>				
14	Air Release Valve				
	Supply,Installation,Testing and Commissioning of Air release valve gun metal body as per IS:778 of 20 mm dia .	Nos	2		
	<i>Make - Kartar/New G</i>				
15	Fire Brigade Connection(FBC)				
a	Supply,Installation,Testing and Commissioning of 4 way Fire brigade Inlet connection fabricated from 150 mm dia MS Class B medium grade pipe comprising of four 63 mm dia gun metal male threaded non return valve.	Nos	1		
b	TANK FILLING CONNECTION				
	Supply,Installation,Testing and Commissioning of 2 way Fire brigade Inlet connection fabricated from 100 mm dia MS Class B medium grade pipe comprising of two 63 mm dia gun metal male threaded non return valve.	Nos	1		
	<i>Make- Newage/Winco</i>				
16	SPRINKLER				
	Supplying, Installing, Testing & Commissioning of UL listed Sprinkler 15 mm size , 1/2" BSPT end connection having temp. rating 68 deg. C made out of forged brass and chrome finish with supports.				
a	Pendant	Nos	64		
	<i>Make -HD/Tyco/Omex</i>				
17	M.S Structural support				
	Supply,Installation,Testing and Commissioning of M.S structural support including, cutting welding with nut, bolt & Anchor fastners etc...	Kg	100		
18	Fire Extinguisher				
a	Supply, Installation of Fire Extinguisher ABC type fire extinguisher ISI mark , 6 kg capacity with initial charger and installation brackets.	Nos.	23		
b	Supply, Installation of Fire Extinguisher CO2 type fire extinguisher ISI mark , 4.5 kg capacity with initial charger and installation brackets.	Nos.	1		
	<i>Make -Safex/Minimax</i>				
19	SITC of Fire Alarm Control Panel 10 Zone , conventional type micro processor based control panel made of MS powder coated CRCA sheet with audio and visual display & supplied with all standard mounting accessories.	Nos.	1		
	<i>Make - Agni/Ases</i>				
20	Manual Call Point				
	Supply,Installation,Testing and Commissioning of Manual Call Point break glass type powder coated MS box ,24/12 Volt DC operated, and with necessary attachments.	Nos.	9		
	<i>Make - Agni/Ases</i>				
21	Hooter				
	Supply,Installation,Testing and Commissioning of Audio alarm hooter (sounder) powder coated MS box, 24/12 Volt DC operated with necessary attachments.	Nos.	9		
	<i>Make - Agni/Ases</i>				
22	Detectors				
	Supply,Installation,Testing and Commissioning of detectors with all standard accessories like base etc to be installed under or above false ceiling, UL Approved				
a	Smoke detectors	Nos.	R.O		
	<i>Make - GST/System Sensor/Ravel</i>				

23	Fire Alarm Cabling				
	Supply,Installation,Testing and Commissioning of Fire Alarm Cable - PVC insulated fire retardant copper flexible wire 1 sq.mm with ISI mark.	Mts	R.O		
	<i>Make - Finolex/Bonton</i>				
24	PVC Conduit				
	Supply,Installation,Testing and Commissioning of 20 mm dia medium grade rigid PVC conduit ISI mark with elbow, tees, jn: boxes, saddle clip and with necessary fittings.	Mts	R.O		
	<i>Make - ISI Marked</i>				
25	Supply and Installation of Diesel Tank	Nos.	1		
26	Supply and Installation of D G Battery	Nos.	1		
27	Fire Alarm System Overall Checking	L/S	1		
28	Diesel Pump Servicing Charge	L/S	1		
29	Main & Standby Pump Servicing Charge	L/S	1		
30	Jockey Pump Servicing Charge	L/S	1		
31	Fire Pump Panel Checking	L/S	1		
32	Tank Filling Inlet Line Reworking Charge	L/S	1		
33	Dismantling Charge for Existing Piping	L/S	1		
34	Testing and Commissioning Charges	L/S	1		
35	Fire NOC Renewal Charges	L/S	1		
36	AMC Charges(Yearly 4 Visits)	Nos.	1		
SUMMARY					
TOTAL FOR REVAMPING OF FIRE & SAFETY MEASURES					-