

A. BOQ for Down Commer System for proposed State Bank of India, Jatni Branch (G+1) Building, Bhubaneswar

S.NO.	Description	Qty	Unit	Rate	TOTAL
1	Supply, Installation, Testing & Commissioning of Electric Driven Terrace pump for Hydrant applications suitable for automatic operation and consisting of following details given as under. (Make- kirloskar/ABB/Siemens) i. Horizontal Single stage Centrifugal End suction, back pull type pump complete for delivery of below mentioned discharge, with necessary accessories the suction side (all items to be matching with the suction side dia of the pump) including bypass arrangement for Testing of pump ii. Material of construction: Pump Casing - Cast Iron, Impellor - Bronze, Shaft - SS 410, Packing - Mechanical Seal iii. Pump shall be capable of furnishing not less than 150 % of rated capacity at a head not less than 65 % of the rated head. The shut off head shall not exceed 120 % of rated head iv. Squirrel cage induction motor suitable for 3 phase, 415 V, 50 HZ, Ac supply T.E.F.C confirming to IP:55 , of required HP suitable for the above pump ,along with flexible coupling , coupling guard complete in all respect v. Common bed plate fabricated from mild steel channel for installation of pump and Motor vi. Pump technical sheet which confirming required specifications issued by manufacturer to be submitted. vii. Suitable cement concreat foundation duly plastered with anti-vibration pads.				
	950 LPM (7.5 HP) suitable for 35 Mtr Head, single stage	2	Nos		
2	SITC of Starter Panel, fabricated for capable of Operation of 450 / 900 LPM Terrace Pump or capable of start up to 10 HP pump and having provision for automatic starting by pressure switches, control mounting shall include necessary lamps indications, ammeters for motor full load circuit with CTs and selector switch, auto/manual selector switch voltmeter with selector switch controlling push button etc. The panel shall be duly painted with protective anticorrosive and shall be foot mounted/wall mounted type including all	2	Nos		

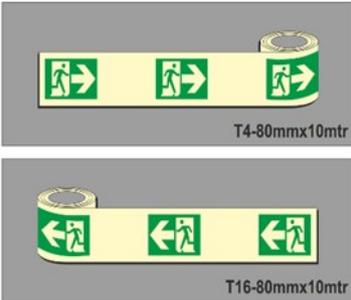
	accessories. (Make- L&T/ABB/Siemens)				
3	SITC of 4C X 6sq mm, Copper PVC Shielded Cable suitable to run 10.0 HP pump on maximum load (Fire Panel to Terrace PUMP) (Make- Polycab/ Finolex/ RR Kable/ KEI)	60	RMT		
4	SITC of Fire Bridage Inlet (2 way) with 63 mm dia instaneous inlet complete with all necessary fittings and MS enclosure with glass door as per IS904, made of 18/16 SWG sheet (MAKE – AAAG/ NEW AGE/ SWATI /Lifeguard /other equivalent ISI Mark)	1	Nos		
5	SITC of Cast iron body Non-Return valves (NRV) dual plate with matching flanges, rubber insertion, nuts, bolts and washer etc. (IS:5312) of following sizes complete as reqd. (Make:AAAG/Sant /Kartar/New Age/Audco)				
	100 mm dia	2	Nos		
	80 mm dia	2	Nos		
6	Supply, fixing, testing commissioning of butterfly valve PN 1.6, with Bronze/ Gunmetal seat duly ISI marked complete with Nuts, Bolts, washers, gaskets, conforming to IS 13095, of following sizes as required. (MAKE – AAAG/ NEW AGE/ SWATI /Lifeguard /other equivalent ISI Mark)				
	150 mm dia	4	Nos		
	100 mm dia	9	Nos		
	80 mm dia	4	Nos		
7	Providing, fixing, testing and commissioning of Above Ground M.S. ERW Black C Class Heavy duty pipes as per IS: 1239 including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification (MAKE TATA/ JINDAL)				
	150 mm dia	6	RMT		
	100 mm dia	60	RMT		
	80 mm dia	27	RMT		
	50 mm dia	24	RMT		
	25 mm dia	96	RMT		

8	Providing, fixing, testing and commissioning of Under Ground (including rapping, coating, digging & rehabilitation of digging surface etc.) M.S. ERW Black C Class Heavy duty pipes as per IS: 1239 including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification (MAKE TATA/ JINDAL)				
	100 mm dia	15	RMT		
9	SITC of Fire Aid Hose Reel Drum with 40mtrs long rubber hose and GM shut off nozzle 25 mm dia Gate Valve, Union pipe complete set confirming to IS: 884 (MAKE – AAAG/NEW AGE/ SWATI /Lifeguard / other equivalent ISI Mark)	5	Nos		
10	Providing, fixing, testing & Commissioning of Single headed Stainless Steel ISI Marker Oblique pattern Hydrant Landing valve with 80 mm dia, flanged inlet & 63 mm dia instantaneous type female outlet complete with cap and chain twist release lug and all accessories as per IS : 5290-1983 (Type -'A') and specifications complete as required. (MAKE – AAAG/NEW AGE/SWATI/ Lifeguard or other ISI Mark)	5	Nos		
11	Providing & Fixing of weather proof hose cabinets fabricated from 16 S.W.G M.S Sheet with Centre opening full front glass door and locking arrangement suitable to accommodate 2nos 15M Long hoses and 1 no. Branch Pipe with nozzle. The cabinet shall be painted with one coat of primer and 2 or more coats of synthetic enamel paint of approved make & shade and shall be suitably mounted on a raised masonry platform complete as reqd. (Make - Self Fabricated) 750 X 600X 250 MM	5	Nos		
12	Providing RRL Hose with ISI Marked (IS:636) 63 mm dia X15 M long complete with instantaneous type Stainless Steel 63 mm dia ISI Marked male & female couplings (IS: 903) bound & riveted to hose pipes with SS rivets and SS wire complete as required. (MAKE: AAAG/ NEW AGE/Lifeguard/BRG or equivalent ISI Mark)	10	Nos		

13	Providing & Fixing of Stainless Steel 63 mm dia Short Branch Pipe 20 mm dia nozzle, ISI marked (IS: 903) complete as required. (MAKE- AAAG/NEW AGE/Lifegaurd/ SWATI/ TULSI/ or other equivalent ISI Mark)	5	Nos		
14	Supply & fixing of 100mm dia bourden type, Stainless steel dial type pressure gauge (0 - 16 Kg) range, 3 / 8 " BSP bottom entry on Pump Delivery Line complete with Ball valve (Wikai/ Waree/ baumar /Guru)	3	Nos		
15	Supply & fixing of Pressure switches for automatic operation of pumps, including necessary wiring upto control panel and Ball valve. (Make Potter/Indfos or other equivalent ISI Mark)	2	Nos		
16	Providing and fixing gunmetal of single acting air release valve with screwed inlet 25 mm dia. (Make: Zoloto/ Karter/ Kitz/ other equivalent ISI Mark)	2	Nos		
17	Supply & fixing of 15 mm dia Quartzed bulb type sprinklers of rating 68 degree centigrade with rewired accessories. (Make Tyco & HD ISI Mark UL Listed)	44	Nos		
18	Expenditure for Testing of healthyness of the firefighting system Installed in the SBI Jatni Building, Approval of related drawings and issuance of Fire Service certificate (Fire NOC) from Odisha Fire Brigade etc.	1	No		
19	TOTAL OF (A) FPS DOWN COMER SYSTEM				
20	TOTAL OF (B) EXIT SIGNAGES				
21	GRAND TOTAL (A+B)				

**B. BOQ FOR FIRE SAFETY AUTO GLOW / PHOTO LUMINESCENT SIGNAGES, TAPE & LED
BASED EXIT SIGNAGES FOR PROPOSED SBI JATNI BLDG**

S.NO.	ITEM DESCRIPTION	SAMPLE OF AUTO GLOW TENTATIVE SIZE	RATE/ UNIT	QUANTITY REQUIRED	AMOUNT (INR)
1	EXIT signage at Main EXIT door from inside, Make- Prolite / Autolite / Supreme Creation			3	
2	In banking hall or any gallery to indicate the EXIT gate (Left direction), Make- Prolite / Autolite / Supreme Creation			3	
3	In banking hall or any gallery to indicate the EXIT gate (Right direction), Make- Prolite / Autolite / Supreme Creation			3	
4	At the staircase landing area towards getting down direction, Make- Prolite / Autolite / Supreme Creation			6	
5	In banking hall or any gallery to indicate the EMERGENCY EXIT gate (Left direction), Make- Prolite / Autolite / Supreme Creation			3	
6	In banking hall or any gallery to indicate the EMERGENCY EXIT gate (Right direction), Make- Prolite / Autolite / Supreme Creation			3	
7	At each door both side, Make- Prolite / Autolite / Supreme Creation, 40PL & 40PS			50	
8	lift lobby for marking Outside Fire Lift, Make- Prolite / Autolite / Supreme Creation			2	
9	All floors / Near Stationary / Record room, Make- Prolite / Autolite / Supreme Creation			4	

10	Near fire alarm manual call point (MCP), Make- Prolite / Autolite / Supreme Creation			6	
11	Near main electrical panel & master switch, Make- Prolite / Autolite / Supreme Creation			6	
12	Near hydrant point if hydrant system installed, Make- Prolite / Autolite / Supreme Creation			3	
13	Near the Fire Extinguishers, Make- Prolite / Autolite / Supreme Creation			10	
14	Safe area to be marked outside of the premises for assembly of the occupants in case of emergency, Size- 300mmx400mm Make- Prolite / Autolite / Supreme Creation			1	
15	lift lobby above the lift entrance door centrally in the lift lobby on all the floors and one inside the Lift car, Size- 300mmx400mm, Make- Prolite / Autolite / Supreme Creation			3	
16	Near the Fire Alarm Panel ideally located near Exit Gate, Size- 300mmx400mm, Make- Prolite / Autolite / Supreme Creation			2	
17	Way Finding Tape on Flexile material laminated scratch proof for (Low location light), directional route marking way finding (Left / Right-handed directional), 80mm x 10mtr roll, Make- Prolite / Autolite / Supreme Creation, 02-LEFT & 02-RIGHT			2	

18	To be pointed towards EXIT gates at each floor as per requirements. LED configured emergency (E) edge lit light: Should be Ceiling mounted Size should be 180mm x 400 mm in Aluminium Housing Body (25mm x 45 mm), Make- Prolite / Autolite / Supreme Creation			4	
19	EXIT gates at each floor as per requirements Self-contained rechargeable emergency (LED MULTI LIGHTS WITH आपातकालीन निकास / EMERGENCY EXIT (Hindi & English both) & SIGNAGE) automatically switched-on mains power failure and provides illumination on battery source for specified duration, Make- Prolite / Autolite / Supreme Creation			2	
20				TOTAL:	

Note: - The quoted rates are inclusive of packaging, labour, transportation, installation charges and exclusive of GST as applicable.