

Subject: Firefighting Down comers - For housing projects

Keywords: Firefighting, Downcomer, housing project

Purchase and installation of Fire fighting down-comers for housing project has been standardized. The details are given herein.

Sl. No.	Description of item	Details of use	SKU no.	Appx. Cost in Rs.
1.	MS Round Pipe B class-100Dx6000Lmm	Main line from OHT tank, used for down comer and tapping shall be taken from this line for sprinklers in cellar floor.	STEL2516-Steel-MS Round pipe-B Class-100DX6000Lmm-Kgs	78/-per kg
2.	MS Round Pipe-B Class-80DX6000Lmm	Used for sprinkler header lines in cellar floor.	STEL3859-Steel-MS Round Pipe-B Class-80DX6000Lmm-Kgs	78/-per kg
3.	MS Round Pipe B class-65x6000Lmm	Used for sprinkler header lines in cellar floor.	STEL7524-Steel-MS Round Pipe B class-65x6000Lmm-Kgs	78/-per kg
4.	MS Round Pipe B class-50x6000Lmm	Used for sprinkler header lines in cellar floor.	STEL5211-Steel-MS Round Pipe B class-50x6000Lmm-Kgs	78/-per kg
5.	MS Round Pipe B class-40Dx6000Lmm	Used for sprinkler lines in cellar floor.	STEL4596-Steel-MS Round Pipe B class-40Dx6000Lmm-Kgs	78/-per kg
6.	MS Round Pipe B class-32Dx6000Lmm	Used for sprinkler lines in cellar floor.	STEL5638-Steel-MS Round Pipe B class-32Dx6000Lmm-Kgs	78/-per kg
7.	MS Round Pipe-B Class-25DX6000Lmm	Used for sprinkler lines in cellar floor.	STEL2801-Steel-MS Round Pipe-B Class-25DX6000Lmm-Kgs	78/-per kg
8.	MS L Angle-40X40X6Tmm	For pipeline supports and stands for hose reel box	STEL7401-Steel-MS L Angle-40X40X6Tmm-Kgs	68/-per kg
9.	MS L Angle-50X50X6Tmm	For pipeline supports and stands for hose reel box	STEL6449-Steel-MS L Angle-50X50X6Tmm-Kgs	68/-per kg
10.	RRL type A Hose pipe-63Dmm	Used when the hoses are needed to pass through places where there is high radiant heat.	FIRE9515-Fire & Safety-RRL type A Hose pipe-63Dmm-Nos	3,776/-
11.	SS Branch pipe-63Dmm	Used for a range of wash down and jet spray applications.	IRE7F441-Fire & Safety-SS Branch pipe-63Dmm-Nos	1,593/-
12.	Hose Reel Drum-30mtrs	Used to keep the hose pipe	FIRE5726-Fire & Safety-Hose Reel Drum-30mtrs-Nos	5,900/-

13.	Fire Hose Cabinet-900X1500X150mm 18SWG	Used to store the firefighting equipment like fire hoses, fire extinguishers, fire hoses reels, branch pipes.	FIRE7717-Fire& Safety-Fire Hose Cabinet-900X1500X150mm 18SWG-Nos	7,670/-
14.	Hose Box-Single Door	Used to store the firefighting equipment like fire hoses, fire extinguishers, fire hoses reels, branch pipes.	FIRE6664-Fire & Safety-Hose Box-Single Door-Nos	1,416/-
15.	Hose Box-Double Door	Used to store the firefighting equipment like fire hoses, fire extinguishers, fire hoses reels, branch pipes	FIRE1291-Fire & Safety-Hose Box-Double Door-Nos	2,596/-
16.	Fire Brigade Inlet-2way-100mm	Used to pump water through built-in-firefighting system	FIRE4281-Fire & Safety-Fire Brigade Inlet-2way-100mm-Nos	6,490/-
17.	Fire Brigade Inlet-4way-150mm	It enables firefighters to pump in water into the dry riser or the wet riser or the sprinkler system piping using external water sources like a hydrant.	FIRE3271-Fire & Safety-Fire Brigade Inlet-4way-150mm-Nos	8,850/-
18.	MS Flange-E table-80DX4 Holes	Used to connect the pipes or fittings together to perform the different functions.	STEL3746-Steel-MS MS Flange-E table-80DX4 Holes-Nos	212/-
19.	MS Flange-E table-100mm	Used to connect the pipes or fittings together to perform the different functions	FIRE8108-Fire & Safety-MS Flange-E table-100mm-Nos	254/-
20.	Enamel Black-Asian Apcolite-1lietr can	Serves as a protective Armour around the painted surface.	PAIN5379-Paints-Enamel Black-Asian Apcolite-1lietr can	294/-per 1 liter can
21.	Forged Brass Ball valve-25mm	Used for drain line control, pressure gauge and pressure switch control	FIRE3382-Fire & Safety-Forged Brass Ball valve-25mm-Nos	748/-
22.	SS Hydrant Valve-63Dmm	Provide the means to draw water for firefighting from the fire water piping network	FIRE5317-Fire & Safety-SS Hydrant Valve-63Dmm-Nos	4,602/-
23.	Butterfly Valve-50mm	Serve as control valves that turn on or shut off the flow of water to the pipes serving fire sprinkler or standpipe systems	FIRE9710-Fire & Safety-Butterfly Valve-50mm-Nos	1,794/-
24.	Butterfly Valve PN16-80Dmm	Serve as control valves that turn on or shut off the flow of water to the pipes serving fire sprinkler or standpipe system	FIRE2343-Fire & Safety-Butterfly Valve PN16-80Dmm-Nos	3,876/-
25.	Butterfly Valve-100mm	Serve as control valves that turn on or shut off the flow of water to the pipes serving	FIRE1351-Fire & Safety-Butterfly Valve-100mm-Nos	3,033/-

		fire sprinkler or standpipe system		
26.	Non return valve-100mm	Used to prevent the liquid or gas from flowing back upstream of the valve	PLUM6888-Plumbing-Non return valve-100mm-Nos	3,059/-
27.	Pressure Guage-0 to 10.5Kgs	Used to measure the pressure of liquid	FIRE6575-Fire & Safety-Pressure Guage-0 to 10.5Kgs-Nos	1,475/-
28.	Pressure switch	Used to control the activation and deactivation of pumps in fluid systems when pressure thresholds are reached	FIRE6238-Fire & Safety-Pressure switch-Nos	1,062/-
29.	Copper wire-3CoreX2.5Sqmm-Mtrs	Power supply for booster pump	ELEC8573-Electrical-Copper wire-3CoreX2.5Sqmm-Mtrs	87/-per mtr
30.	Pressure Booster pump-Kirloskar KDS 1348-12.5hp	A device used to increase low water pressure and flow	FIRE1752-Fire & Safety-Pressure Booster pump-Kirloskar KDS 1348-12.5hp-Nos	56,746/-
31.	Booster pump panel-12.5Hp	Essential component for maintaining a reliable water pressure system	FIRE5063-Fire & Safety-Booster pump panel-12.5Hp-Nos	13,570/-
32.	Air Release Valve-20mms	Used to ensure that any entrained air in the water system is automatically released in order to maximize the system performance	HVAC2886-HVAC-Air Release Valve-20mm-Nos	867/-
33.	GI Base Saddle-25m	Used to support or hold the power supply cable for booster pump.	ELEC8660-Electrical-GI Base Saddle-25m-Boxes	354/-per box(72pcs per box)
34.	Firefighting-Fire sprinklers	Used to prevent fire growth and spread by releasing water through a series of sprinkler heads connected to a distribution piping system	FIRE6625-Fire & Safety-Firefighting-Fire sprinklers-Nos	207/-
35.	Dry type Fire extinguisher-6 Kgs	Used in variety of situations to stop the fire, class A fires: fires that involve flammable solids. Class B fires: fires that involves flammable liquids	FIRE2803-Fire & Safety-Dry type Fire extinguisher-6 Kgs	1,180/-
36.	Wet type Fire extinguisher-9 Ltrs	Used to tackle fat and grease fires in kitchens (class F)	FIRE2009-Fire & Safety-Wet type Fire extinguisher-9 Ltrs	1,357/-
37.	Dry type Fire extinguisher-ABC-6Kgs	ABC dry powder fire extinguisher is a portable device used to quickly put out Class A, B, and C fires by spraying a multipurpose dry	FIRE7790-Fire & Safety-Dry type Fire extinguisher-ABC-6Kgs	1,462/-

		chemical powder		
38.	Dry type Fire extinguisher-CO2-6Kgs	CO ₂ dry type fire extinguisher is a portable device used to suppress Class B (flammable liquids) and Class C (electrical) fires by discharging carbon dioxide, which removes oxygen and cools the fire.	FIRE6733-Fire & Safety-Dry type Fire extinguisher-CO2-6Kgs	17,101/-
39.	Multi Sensor Detector	It combines multiple sensing technologies in one unit to improve detection accuracy and reduce false alarms.	FIRE1019-Fire& Safety-MultiSensor Detector---Nos.	1995/-
40.	SingleLoop card-(Addressable)	Enables connection and communication of multiple addressable fire detection devices (smoke detectors, heat detectors, MCPs, sounders, etc.) on a single loop with unique device addressing and monitoring through the fire alarm control panel.	FIRE2205-Fire&safety-SingleLoopcard-Addressable--Nos.	25,500/-
41.	Monitor module	Used to monitor the status of conventional fire alarm devices and transmit signals to the addressable fire alarm control panel.	FIRE3427-Fire & Safety-Monitor module---Nos.	2,125/-
42.	Heat Detector	Detects temperature rise and activates fire alarm.	FIRE7431-Fire& Safety-Heat Detector---Nos.	1775/-
43.	fire Buckets + Stand	This type of fire extinguisher to stop fire. Used in electrical rooms.	FIRE2909-Fire & Safety-4 Buckets +Stand-Nos	1,357/-
44.	MS Flat-6mtrs-50x6mm	For fabrication work	STEL2879-Steel-MS Flat-6mtrs-150x50x10Tmm-Kgs	74/-per kg
45.	MS Threaded Nipple-150LX80Dmm	Used for connecting two other fittings	STEL4979-Steel-MS Threaded Nipple-150LX80Dmm-Nos	177/-each
46.	MS Threaded Nipple-65X150mm	Used for connecting two other fittings	STEL1468-Steel-MS Threaded Nipple-65X150mm-Nos	118/-each
47.	GI-Nipple-50X150mm	Used for connecting two other fittings	PLUM9945-Plumbing-GI-Nipple-50X150mm-Nos	109/-each
48.	MS Nipple-12.7X250mm	Used for connecting two other fittings	STEL8896-Steel-MS Nipple-12.7X250mm-Nos	53/-each

49.	MS Coupling-15mm	Used to join two pipes or tubes together	STEL6309-Steel-MS Coupling-15mm-Nos	37/-each
50.	MS Coupling-20mm	Used to join two pipes or tubes together	STEL6751-Steel-MS Coupling-20mm-Nos	58/-each
51.	GI Hose clamp-heavy duty-20Dmm-	Used to attach and seal a hose onto a fitting	HARD4627-Hardware-GI Hose clamp-heavy duty-20Dmm-Nos	18/-
52.	GI U Clamp+Nut+Washer-100x8mm-	To support down comer lines	HARD2902-Hardware-GI U Clamp+Nut+Washer-100x8mm-Nos	30/-each
53.	Anchor bolt-Pin Type-10x62.50mm-	Used for anchoring of sprinkler pipelines for pipes of dia 50 to 80mm	HARD2439-Hardware-Anchor bolt-Pin Type-10x62.50mm-Nos	11/-each
54.	Enamel-Post Office Red-4Ltrs-Can	Serves as a protective Armour around the painted surface.	PAIN5030-Paints-Enamel-Post Office Red-4Ltrs-Can	1225/-per 4ltrs can
55.	Turpentine oil-1 ltr can	Mixed in Enamel & Red oxide for work ability	PAIN8788-Paints-Turpentine oil-1 ltr can	135/- per 1 liter can
56.	Hooter	Typically installed at fire escape routes that produces loud noise with a frequency that reaches a large area to alert people regarding any hazardous conditions. Typically used in housing project.	FIRE2644-Fire& Safety - Hooter Non-addressable-Nos	283/-
57.	Manual call point	Typically installed at fire escape routes and it allows occupants to manually activate the fire alarm system in case of emergency. Typically used in housing project	FIRE7360-Fire& Safety - Manual call point -Non-addressable-Nos	271/-
58.	Smoke detector	To detect smoke or heat and designed to work with conventional fire alarm panel. Typically used in housing project	FIRE7855-Fire& Safety - Smoke detector -Non-addressable-Nos	531/-
59.	Red Oxide Primer-Asian-1Ltr-Can	Serves as a protective Armour around the painted surface.	PAIN8548-Paints-Red Oxide Primer-Asian-1Ltr-Can	225/-per 1 liter
60.	Anchor bolt-Pin Type-8x50mm	Used for anchoring of sprinkler pipelines for pipes of dia 25 to 40mm	HARD2287-Hardware-Anchor bolt - Pin Type-8x50mm-Nos	8/-each
61.	Anchor bolt-Pin Type-12x62.50mm	Used for anchoring of sprinkler pipelines for pipes of dia 100 mm	HARD4639-Hardware-Anchor bolt-Pin Type-12x62.50mm-Nos	14/-each

62.	MS ISMC 75X6000Lmm	For supporting of fire down comer lines in fire shafts.	STEL5337-Steel-MS ISMC-75X6000Lmm-Kgs	71/-per kg
63.	MS ISMC- 100X6000Lmm	For supporting of fire down comer lines in fire shafts.	STEL9892-Steel-MS ISMC-100X6000Lmm-Kgs	71/-per kg

Notes:

1. conventional fire alarm system is followed all housing projects and material ordered shall be of conventional/Non-addressable fire alarm
2. Addressable fire alarm system is followed in Lab space projects and it is installed in common areas like lift lobby and central lobby areas. So accordingly addressable type of material should be ordered.
3. Same FRLS cable are mentioned above can be used for both fire alarm systems, cable is erected using 'P' type clamps using above fishers and screws and there is no requirement of PVC/Metal conduits for running the cable.

Soham Modi



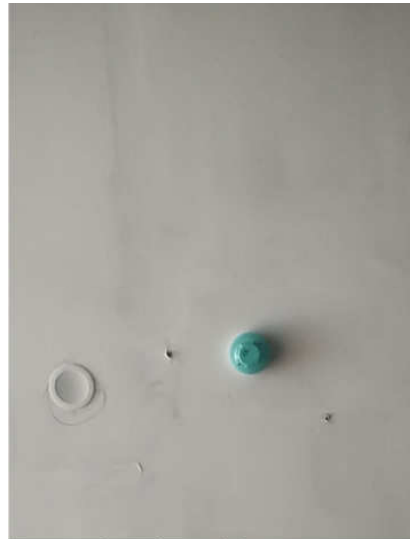
A typical picture showing Downcomer, Hose reel drum & Fire hose box (double door) installed at site.



A typical picture showing
Hooter & Manual Call Point
installed at site.



STEL6449-Steel-MS L
Angle-50X50X6Tmm-Kg's



FIRE7855-Fire & Safety -Smoke detector -Non
addressable-Nos



STEL7401-Steel-MS L
Angle-40X40X6Tmm-Kg's



FIRE8108-Fire & Safety-MS
Flange-E table-100mm-No's



STEL2879-Steel-MS
Flat-6mtrs-50x6mm-Kg's



PLUM6888-Plumbing-Non
return valve-100mm-Nos



FIRE6575-Fire & Safety-Pressure
Guage-0 to 10.5Kgs-No's



FIRE6238-Fire & Safety-Pressure
switch-No's



FIRE6664-Fire&safety-Hose
Box-single door-No's



FIRE5317-Fire&safety-SS Hydrant valve
-63Dmm-No's



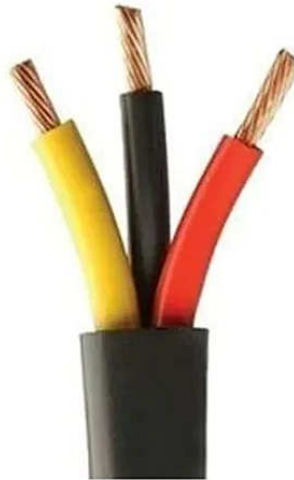
FIRE9515-Fire & Safety-RRL type A Hose pipe-63Dmm-
No's



PAIN8788-Paints-Turpentine oil-1 ltr can



FIRE7360-Fire& Safety -Manual call
point -Non addressable-Nos



ELEC8573-Electrical-Copper
wire-3CoreX2.5Sqmm-Mtrs



HVAC2886-HVAC-Air Release
Valve-20mm-No's

STEEL2516-Steel-MS Round pipe-B
Class-100DX6000Lmm-Kg's



FIRE2909-Fire & Safety-4 Buckets+Stand-No's



FIRE5063-Fire & Safety-Booster pump
panel-12.5Hp-No's



ELEC8660-Electrical -GI Base saddle 25mm-Boxes

FIRE1752-Fire & Safety-Pressure Booster pump-Kritloskar KDS 1348-12.5hp-No's



FIRE7717-Fire& Safety-Fire Hose Cabinet-900X1500X150mm



FIRE7441-Fire&safety-SSBranch pipe -63Dmm-No's



FIRE2803-Fire & Safety-Dry type Fire extinguisher-6 Kgs-No's

FIRE3382-Fire&safety-Forged brass ball valve-Valve 25mm-No's



FIRE2009-Fire & Safety-Wet type Fire extinguisher-9 Ltrs



FIRE4281-Fire & Safety-Fire Brigade Inlet-2way-100mm-No's



STEL3746-Steel-MS MS Flange-E table-80DX4 Holes-No's



**FIRE3271-Fire & Safety-Fire Brigade
Inlet-4way-150mm-No's**



**HARD2902-Hardware-GI U
Clamp+Nut+Washer-100x8mm-No's**



**FIRE9710-Fire&safety-Butterfly
valve PN16 -50mm-No's**



FIRE1291-Fire & Safety-Hose Box-Double Door-Nos



**FIRE6625-Fire & Safety-Fire
fighting-Fire sprinklers-No's**



**STEL6309-Steel-MS Coupling-15mm-
No's**



**FIRE2644 -Fire & Safety- Hooters
- Non Addressable-Nos.**

**STEL4979-Steel-MS Threaded
Nipple-150LX80Dmm-No's**



**HARD4627-Hardware-GI Hose clamp-
heavy duty-20Dmm-No's**



HARD4639-Hardware-Anchor bolt-Pin
Type-12x62.50mm-No's



FIRE5726-Fire & Safety-Hose Reel
Drum-30mtrs-Nos



PAIN5030-Paints-Enamel-Post Office Red-4Ltrs-
Can



STEL5337-Steel-MS
ISMC-75X6000Lmm-Kg's



PAIN8548-Paints-Red Oxide Primer-Asian-1Ltr-
Can