

Internal Memo no. 912-167 – Construction

Date: 10-11-2023

Subject: Materials required for completion of electrical & civil works for handing over of lift shaft to lift vendor.

Keywords: Lift shaft, Lift, installation.

Sites to use: Purchase & Installation of below following material for lift shafts.

Sl. No.	Description of item	Details of use	SKU no.	Appx. Cost
1.	Water proofing	To prevent ground water entering lift pit	MISC9511-Miscellaneous-Water Proofing Works- misc- Sqm	10,000/- per lift pit of larger sizes 7,500/-per lift pit upto 7ftx7ftx7ft
2.	MS Scaffolding	For erection of lift works	a. STEL8750-Steel-Mild Steel- Cup lock Vertical-3000mm-Nos b. STEL1425-Steel-Mild Steel- Cup lock Ledger Horizontal - 1200mm-Nos c. STEL4061-Steel-Mild Steel- Cup lock Ledger Horizontal - 2000mm-Nos	a.1229.80/- b..404.20/- c.662.20/-
3.	Smoke Window	Use 3’x2’ size	MISC7469-Miscellaneous-MS Fabrication work-LS	-
4.	Hooks	size & position as per vendor requirement	NA	-
5.	Plumb reading	Check plumb of 4 sides of lift walls .	NA	-
6.	Bulk head lights	It should be provided every landing floor, bottom of the pits near lift machine .	ELEC9722-Electrical -Bulkhead LED Light 10W-Nos	661/-
7.	GI Flat	2 runs has to be run from top of the shaft & connect it to 2 earth pits	ELEC9995-Electrical -GI Flat - 25x3Tmm-Kgs	83/- per kg
8.	CI Earthing Electrode	Use 2 Nos of CI electrodes for each lift earthing work purpose.	ELEC5968-Electrical -CI Electrode - 50x1800mm-Nos	1,156/-
9.	6A Switch	6amps switch - one for light control at every floor as mentioned above and for 3pin power socket purpose.	ELEC3129-Electrical- Switch -One Way -6A -Nos	44/-

10.	6A Socket	6A power socket should be provided every landing floor, bottom of the pits	ELEC8034-Electrical - Socket 3pin - 6A-Nos	11/-
11	Distribution Box	Connection of bulkhead lights ,6A &16A sockets & switches	ELEC9595-Electrical -DB TPN - 3phase -4Way-Nos	1,864/-
12	MCB	For 13Pax lift 25A MCB (As per vendor requirement)	ELEC1516 -Electrical- MCB 4pole - 25A-Nos	903/-
13	MCB	For 20Pax lift 32A MCB(As per vendor requirement)	ELEC1888-Electrical- MCB 4pole - 32A-Nos	1,023/-
14	Isolator	Temporary power connection purpose , during erection.	ELEC8878- Electrical- Isolater -4 pole 40amps-Nos	531/-
15	ISMB	Size depends upon vendor requirement	STEL8000-Steel-MS ISMB- 100x60x6000mm-Kgs	71/- per kg
16	ISMC	Size depends upon vendor requirement	STEL5337-Steel-MS ISMC- 75x40x6000mm-Kgs	74/-per kg
17	Al armored Cables	Power supply to lift - cable size depends upon capacity of lift	a. ELEC6940-Electrical- Aluminum armored cable-4 core 16sqmm-mtrs b. ELEC8887-Electrical- Aluminum armored cable-LT- 3.5core 35sqmm-mtrs c. ELEC6243-Electrical- Aluminum armored cable-LT- 3.5core 25sqmm-mtrs	a.154/- per meter b.219/- per meter c.177/- per meter
18	1sqmm housing wire- Red	For shaft lighting and 6A socket power purpose.	ELEC1811-Electrical- Copper wire - Red colour- Gloster-1sqmmx90mtrs-Bundles	982/-per Bundle
19	1sqmm housing wire- Black	For shaft lighting and 6A socket power purpose.	ELEC6829-Electrical- Copper wire - Black colour- Gloster- 1sqmmx90mtrs-Bundles	982/--per Bundle
20	1sqmm housing wire- Green	For shaft lighting and 6A socket power purpose.	ELEC9836-Electrical- Copper wire - Green colour- Gloster- 1sqmmx90mtrs-Bundles	982/--per Bundle
21	2.5sqmm housing wire- Red	For shaft lighting and 6A socket power purpose.	ELEC4914-Electrical- Copper wire - Red colour- Gloster- 2.5sqmmx90mtrs-Bundles	2,270/--per Bundle
22	2.5sqmm housing wire- Black	For shaft lighting and 6A socket power purpose.	ELEC8650-Electrical- Copper wire - Black colour- Gloster- 2.5sqmmx90mtrs-Bundles	2,270/--per Bundle

23	2.5sqmm housing wire- Green	For shaft lighting and 6A socket power purpose.	ELEC9975-Electrical- Copper wire - Green colour- Gloster- 2.5sqmmx90mtrs-Bundles	2,270/--per Bundle
24	Surface box 4 module	For lighting switch & power socket switch	ELEC3223-Electrical-PVC Surface box- 4Module -Nos	71/-
25	PVC Conduit pipe 25mm	To run housing wires	ELEC6228-Electrical-PVC Conduit pipe FR-25mm-Nos	83/-
26	PVC Conduit bends 25mm	To run housing wires	ELEC3590-Electrical-Conducting bends PVC 25x1.5mm-Nos	8/-
27	One coat of Primer	One coat of Primer should be applied on all 4 walls of lift shaft before handing over of shaft to lift vendor.	PAIN7486-Paints-Internal primer- White Asian -20ltrs-can	2,700/- per can
28	Granite Work	Laying of granite flooring inside car cabin	BUIL4872-Building material- Granite -Black -19mm-sqm	1,397/- per sqm

Guidelines for handing over of lift shafts to lift vendors:

1. Check for type and size of lifts and position of lift well.
2. Before approval of GA drawings, lift shaft has to be jointly inspected by lift vendor & respective site project manager
3. Check for lift shaft size wrt approved GA drawing
4. Check for pit depth from FFL wrt approved GA drawing
5. Water proofing of lift pit.
6. Erection of MS scaffolding as per vendor requirement.
7. Provision of load hooks on head room slab, if provided finishing has to be done.
8. Check for Number of floors served by the lift as per approved GA drawing
9. Height between floor levels
10. Plumb shall be dropped for block work at entrance side from inside the shaft and minimum plumb reading to be considered before proceeding for block work.
11. Check for Lift opening size and it should be as per approved GA drawing
12. Provision of smoke window at last landing above lintel level
13. 10 w bulk head light shall be provided on every floor +@ Pit lvl+@ head room lvl.
14. 2 runs of 25x3 GI flat to be laid along the shaft from top to bottom and it should be connected to 2 nos. of dedicated earth pit (50x1750 CI electrode).

15. One 6A switch and 6A 3 pin socket to be provided on every floor + @ Pit level + @ head room level.
16. DB with MCB and Isolator to be provided as per the requirement of lift vendor.
17. Laying of Power supply cable for permanent power supply, as per the requirement of lift machinery.
18. Temporary power supply to be provided for lift erection works.
19. One coat of primer to be applied.
20. Cable sizes & ISMB sizes shall be procured as per vendor requirement.

Soham Modi

ELEC9975-Electrical- Copper wire -Green colour- Gloster-2.5sqmmx90mtrs-Bundles



ELEC4914-Electrical- Copper wire -Red colour- Gloster-2.5sqmmx90mtrs-Bundles



STEL4061-Steel-Mild Steel-Cuplock Ledger Horizontal -2000mm-Nos



ELEC3129-Electrical- Switch -One Way -6A -Nos

ELEC8034-Electrical - Socket 3pin -6A-Nos

ELEC1516 -Electrical- MCB 4pole -25A-Nos



ELEC1888-Electrical- MCB 4pole -32A-Nos



ELEC6940- Electrical- Aluminum Armored cable-4core -16sqmm- Mtrs



ELEC3590-Electrical-Conducting bends PVC 25x1.5mm-Nos



BUIL4872-Building material- Granite -Black -19mm-sqm

ELEC9722-Electrical -Bulkhead LED
Light 10W-Nos



ELEC5968-Electrical -CI
Electrode -50x1800mm-Nos

ELEC229-Electrical-PVC Conduit pipe 75-25mm-Nos



ELEC6839-Electrical- Copper wire -Black colour -Gauge-1sqmmx90mts-Bundles



STEL8750-Steel-Mild Steel-
Cuplock Vertical-3000mm-Nos



ELEC9595-Electrical-DB
TPN -3phase 4way-No's



ELEC9995-Electrical -GI
Flat -25x3Tmm-Kgs

STEL1425-Steel-Mild Steel-Cuplock
Ledger Horizontal -1200mm-Nos



STEL8000-Steel-MS ISMB-100x60x6000mm-Kgs



PAINT7486- Paints-Internal primer-White Asian -20lts-can



ELEC8878-Electrical- Isolater-4pole 40A-No's



STEL337-Steel-MS ISMC-75x40x600mm-Kgs



ELEC1811-Electrical- Copper wire -Red colour- Gloster-1sqmmx90mtrs-Bundles



ELEC9836-Electrical- Copper wire -Green colour- Gloster-1sqmmx90mtrs-Bundles



ELEC3223-Electrical-PVC Surface box-4Module -Nos



ELEC8650-Electrical- Copper wire -Black colour- Gloster-2.5sqmmx90mtrs-Bundles

Smoke window fabricated for Lift





Shot on OnePlus

By Ramkishan

A typical picture showing Cuplock scaffolding erected for Installation of Lift at site.



A typical picture showing electrical connection, lighting in lift shaft.