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.

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| Sl. No. | Description of item | Details of use | SKU no. | Appx. Cost |
|  | Water proofing | To prevent ground water entering lift pit | MISC9511-Miscelleneous-Water Proofing Works- misc- Sqm | 10,000/- per lift pit of larger sizes  7,500/-per lift pit upto 7ftx7ftx7ft |
|  | MS Scaffolding | For erection of lift works | 1. STEL8750-Steel-Mild Steel-Cup lock Vertical-3000mm-Nos 2. STEL1425-Steel-Mild Steel-Cup lock Ledger Horizontal -1200mm-Nos 3. STEL4061-Steel-Mild Steel- Cup lock Ledger Horizontal -2000mm-Nos | a.1229.80/-  b..404.20/-  c.662.20/- |
|  | Smoke Window | Use 3’x2’ size | MISC7469-Miscellaneous-MS Fabrication work-LS | - |
|  | Hooks | size & position as per vendor requirement | NA | - |
|  | Plumb reading | Check plumb of 4 sides of lift walls . | NA | - |
|  | 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/- |
|  | 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 |
|  | CI Earthing Electrode | Use 2 Nos of CI electrodes for each lift earthing work purpose. | ELEC5968-Electrical -CI Electrode -50x1800mm-Nos | 1,156/- |
|  | 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/- |
|  | 6A Socket | 6A power socket should be provided every landing floor, bottom of the pits near lift machine | 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 | 1. ELEC6940-Electrical-Aluminum armored cable-4 core 16sqmm-mtrs 2. ELEC8887-Electrical-Aluminum armored cable-LT-3.5core 35sqmm-mtrs 3. 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 |

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| 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.

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