

| LIST OF FIRE FIGHTING DRAWINGS |                    |              |                                                   |          |
|--------------------------------|--------------------|--------------|---------------------------------------------------|----------|
| S.NO.                          | DRAWING NO.        | SHEET        | DRAWING TITLE                                     | REVISION |
| 1                              | JP-TD-FF-10CC-1001 | SHEET 1 OF 1 | LIST OF FIRE FIGHTING DRAWINGS                    | R0       |
| 2                              | JP-TD-FF-10CC-1002 | SHEET 1 OF 1 | NOTES & LEGEND FOR FIRE FIGHTING SYSTEM           | R0       |
| 3                              | JP-TD-FF-10CC-1201 | SHEET 1 OF 3 | FIRE FIGHTING-ANCILARY BUILDING PUMP ROOM DETAIL  | R0       |
| 4                              | JP-TD-FF-10CC-1202 | SHEET 2 OF 3 | FIRE FIGHTING-ANCILARY BUILDING GROUND LEVEL PLAN | R0       |
| 5                              | JP-TD-FF-10CC-1203 | SHEET 3 OF 3 | FIRE FIGHTING-DIAGRAM & TANK SLEEVE DETAIL        |          |
| 6                              | JP-TD-FF-10CC-1204 | SHEET 1 OF 1 | P & I DIAGRAM OF FIRE FIGHTING                    | R0       |
| 7                              | JP-TD-FF-10CC-1301 | SHEET 1 OF 3 | FIRE FIGHTING-CONCOURSE LEVEL                     | R0       |
| 8                              | JP-TD-FF-10CC-1302 | SHEET 2 OF 3 | FIRE FIGHTING-CONCOURSE LEVEL                     | R0       |
| 9                              | JP-TD-FF-10CC-1303 | SHEET 3 OF 3 | FIRE FIGHTING-CONCOURSE LEVEL                     | R0       |
| 10                             | JP-TD-FF-10CC-1401 | SHEET 1 OF 3 | FIRE FIGHTING-PLATFORM LEVEL                      | R0       |
| 11                             | JP-TD-FF-10CC-1402 | SHEET 2 OF 3 | FIRE FIGHTING-PLATFORM LEVEL                      | R0       |
| 12                             | JP-TD-FF-10CC-1403 | SHEET 3 OF 3 | FIRE FIGHTING-PLATFORM LEVEL                      | R0       |
| 13                             | JP-TD-FF-10CC-1501 | SHEET 1 OF 3 | FIRE FIGHTING-UNDERCROFT LEVEL                    | R0       |
| 14                             | JP-TD-FF-10CC-1502 | SHEET 2 OF 3 | FIRE FIGHTING-UNDERCROFT LEVEL                    | R0       |
| 15                             | JP-TD-FF-10CC-1503 | SHEET 3 OF 3 | FIRE FIGHTING-UNDERCROFT LEVEL                    | R0       |
| 16                             | JP-TD-FF-10CC-1701 | SHEET 1 OF 2 | TYPICAL DETAILS OF FIRE HOSE CABINET              | R0       |
| 17                             | JP-TD-FF-10CC-1702 | SHEET 2 OF 2 | MISCELLANEOUS DETAILS-1                           | R0       |

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |                    |      |              |      |                                                                                                           |                       |            |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--------------------|------|--------------|------|-----------------------------------------------------------------------------------------------------------|-----------------------|------------|--|-----------------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
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|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  | DMRC APPROVAL      |      | MGR/ARCH     |      | DY CA (UG)/II                                                                                             |                       | CA/ARCH    |  | Architecture<br>Design In-charge/ Coordinator                   |  | Structure<br>Design In-charge/ Coordinator |  | E&M<br>Design In-charge/ Coordinator                                                                                                                                                                  |  | <div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</div> <div> Engineering- Information, Imagination.</div> <div>56, Indo-Asia House, Institutional Area, sector-44<br/>Gurgaon - 122002 (Haryana)</div> |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  | DY CSTE/TELECOM    |      | CSTE-I       |      | DY CE/DESIGN                                                                                              |                       | CE/TECH    |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  | DY CSTE/AFC        |      |              |      | ED/S&T                                                                                                    |                       | CSO        |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  | DY CSTE/SIGNALLING |      | CSTE-III     |      | GM/O                                                                                                      |                       | GMM        |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  | DY CE/PLANNING     |      | DY CEE/E&M   |      | DY CEE/ECS                                                                                                |                       | ED/ELEC-II |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  | DY CEE/(E)UG-TR    |      | CGM(E) UG-TR |      | PM                                                                                                        |                       | CPM        |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|                                                                      | REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | PARTICULARS |  |  |  |  |  | DRN.               | CHD. | VER.         | DATE | ISSUE DATE                                                                                                | REV. FOR CONSTRUCTION |            |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |                    |      |              |      |                                                                                                           |                       |            |  |                                                                 |  |                                            |  |                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
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| GENERAL NOTES |                                                                                                                                                                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.            | ALL DETAILS SHOWN ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. DISCREPANCIES, IF ANY, SHALL REFER TO THE EMPLOYER / EMPLOYER’S REPRESENTATIVE BEFORE PROCEEDING FURTHER.                                                                              |
| 2.            | THE CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS                                                                                                                                                                                                                    |
| 3.            | ALL DIMENSIONS SHOWN HERE ARE IN MM UNLESS OTHERWISE STATED                                                                                                                                                                                                         |
| 4.            | THE CONTRACTOR HAS TO CO-ORDINATE WITH THE LOCAL AUTHORITIES FOR ANY CHANGES IN THE DESIGN, IF SO REQUIRED BY LOCAL FIRE SERVICE.                                                                                                                                   |
| 5.            | ALL PIPING SHALL BE GALVANISED IRON. ALL JOINTING SHALL BE WITH GROOVED COUPLINGS..                                                                                                                                                                                 |
| 6.            | PIPE SUPPORTS DETAILS SHALL BE SUBMITTED PRIOR TO INSTALLATION BY THE CONTRACTOR.                                                                                                                                                                                   |
| 7.            | PIPE PENETRATIONS THROUGH CONCRETE WALLS OF VENT SHAFTS, BASEMENT WALLS / SLABS OF THE STATION SHALL BE PROPERLY SEALED AND MADE WATER TIGHT.                                                                                                                       |
| 8.            | PIPES PASSING THROUGH FIRE RATED WALLS / SLABS SHALL BE THROUGH SUITABLY SIZED SLEEVES OR PUDDLE FLANGES.THE GAP BETWEEN THE SLEEVE AND THE PIPE SHALL BE SEALED WITH SUITABLY FIRE RATED, FIRE SEALANTS OR AS APPROVED BY THE EMPLOYER / EMPLOYER’S REPRESENTATIVE |
| 9.            | THE CONTRACTOR SHALL SUBMIT SAMPLES OF FIRE HOSE CABINET WITH ALL EQUIPMENTS INSIDE.                                                                                                                                                                                |
| 10.           | FIRE PIPES SHALL NOT BE ROUTED THROUGH ANY ELECTRICAL / ELECTRONIC ROOMS                                                                                                                                                                                            |
| 11.           | ALL THREADED COMPONENTS INCLUDING BOLTS, NUTS, WASHERS AND INSERTS SHALL BE HOT DIP GALVANIZED.                                                                                                                                                                     |
| 12.           | ALL MATERIALS SUCH AS PIPES, FITTINGS, VALVES, TANKS ETC USED SHALL COMPLY TO WITH PARTICULAR SPECFICTION AND REQUIRED STANDARD                                                                                                                                     |
| 13.           | DRAINAGE ARRANGEMENT FOR FHCS SHALL BE PROVIDED BY CIVIL CONTRACTOR.                                                                                                                                                                                                |
| 14.           | ROUTING OF PIPES SHOWN IN DRAWING MAY BE SLIGHTLY MODIFIED TO SUIT SITE CONDITIONS TO AVOID CLASHING WITH OTHER UTILITIES / SERVICES.                                                                                                                               |
| 15.           | PIPE CROSSING THROUGH SLEEVE IN STRUCTURAL BEAM ( IF PROVIDED ) SHALL BE PROVIDED WITH NON METALLIC GASKET TO AVOID CONTACT OF PIPE WITH SLEEVE.                                                                                                                    |
| 16.           | ALL BURIED PIPE AFTER LAYING SHOULD NOT BE COVERED BEFORE TESTING.                                                                                                                                                                                                  |
| 17.           | ALL EQUIPMENTS AND INSTALLATION SHALL BE IN COMPLIANCE WITH BOQ, SPECIFICATIONS AND CONTRACT CONDITIONS.                                                                                                                                                            |
| 18.           | ALL COUPLING JOINTS SHALL BE AS PER SPECIFICATION.                                                                                                                                                                                                                  |
| 19.           | PIPE SUPPORTS TO BE MINIMUM 2 SUPPORTS IN EACH LENGTH OF PIPE.                                                                                                                                                                                                      |
| 20.           | PAINTING OF PIPES AND EQUIPMENT SHALL BE AS PER SPECIFICATIONS.                                                                                                                                                                                                     |

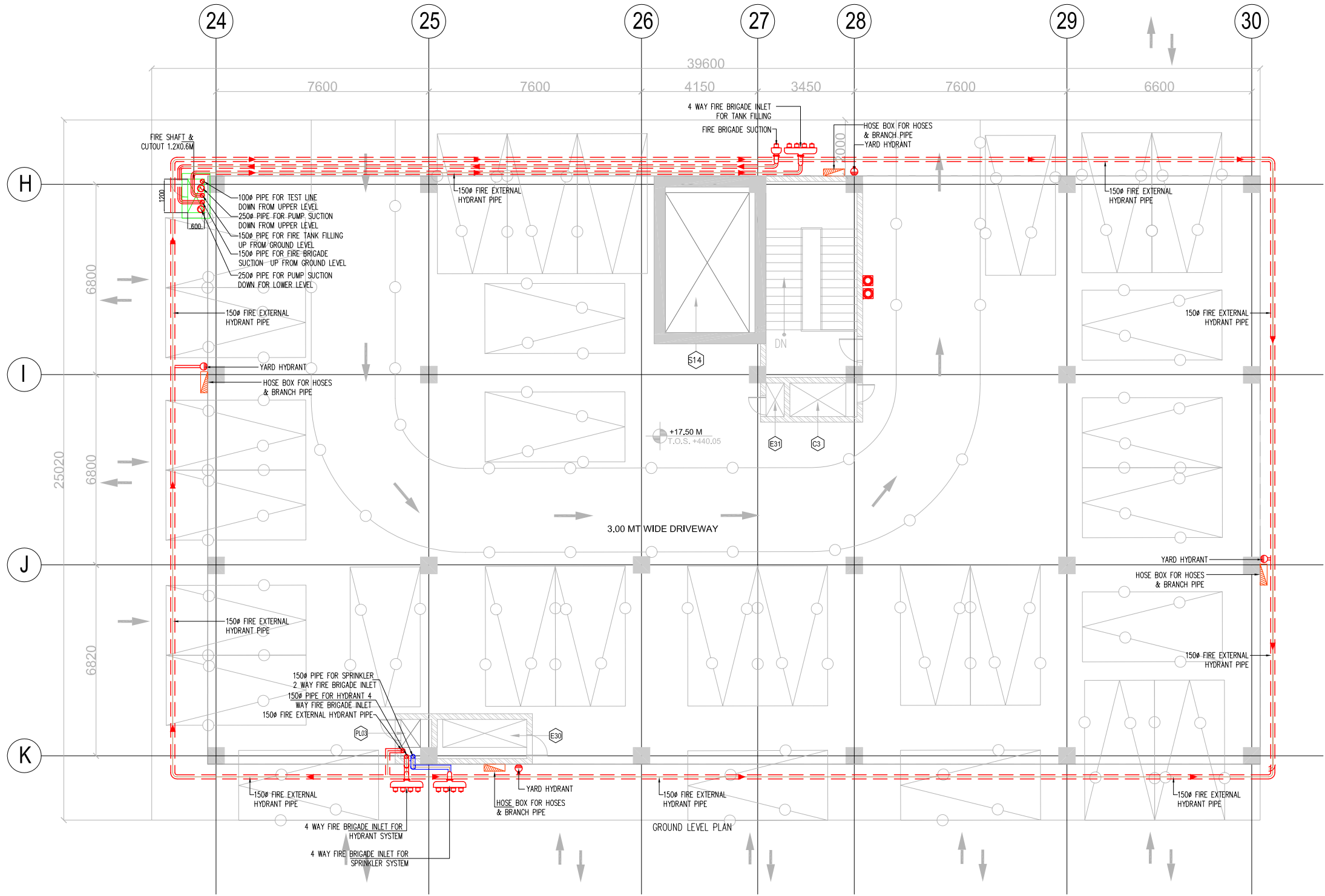
| ABBREVIATION |                      |
|--------------|----------------------|
| MS           | MILD STEEL           |
| GM           | GUN METAL            |
| SS           | STAINLESS STEEL      |
| AL           | ALUMINIUM            |
| FHC          | FIRE HOSE CABINET    |
| FFL          | FINISHED FLOOR LEVEL |
| OHT          | OVERHEAD TANK        |
| UGT          | UNDERGROUND TANK     |
| PS           | PRESSURE SWITCH      |
| PG           | PRESSURE GUAGE       |
| RCC          | REINFORCED CONCRETE  |
| HY           | HYDRANT              |
| FA HOSE      | FIRST AID HOSE REEL  |

| LEGEND |                                                                                       |                                         |
|--------|---------------------------------------------------------------------------------------|-----------------------------------------|
| S.NO.  | SYMBOL                                                                                | DESCRIPTION                             |
| 1      |    | MVWS SPRAY NOZZLE K-22                  |
| 2      |    | SPRINKLER HEAD, K 80, STANDARD RESPONSE |
| 3      |    | FLOW SWITCH                             |
| 4      |    | DOUBLE HEADED HYDRANT VALVE             |
| 5      |    | MOTORISED CONTROL VALVE                 |
| 6      |    | BUTTERFLY VALVE                         |
| 7      |    | FIRST AID HOSE REEL                     |
| 8      |    | HYDRANT PIPE                            |
| 9      |    | SPRINKLER PIPE                          |
| 10     |    | PLUNGER CABLE ( 2 x 2.5 SQ MM FS CABLE) |
| 11     |    | 'Y' TYPE STRAINER                       |
| 12     |    | BELLOW                                  |
| 13     |    | PRESSURE SWITCH                         |
| 14     |    | PRESSURE GAUGE                          |
| 15     |    | 4 WAY FIRE BRIGADE INLET                |
| 16     |    | 2 WAY FIRE BRIGADE INLET                |
| 17     |    | FIRE BRIGADE SUCTION                    |
| 18     |   | CONCENTRIC REDUCER                      |
| 19     |  | ECCENTRIC REDUCER                       |
| 20     |  | 9 LTR WATER TYPE FIRE EXTINGUISHER      |
| 21     |  | 4.5 KG CO2 TYPE FIRE EXTINGUISHER       |
| 22     |  | 6 KG ABC FIRE EXTINGUISHER              |
| 23     |  | 22.5 KG CO2 TYPE FIRE EXTINGUISHER      |
| 24     |  | YARD HYDRANT VALVE                      |

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|                                                                   | REFERENCE DRAWINGS<br><table><tr><th>Dwg. No.</th><th>Description</th></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>                                                                                                                                                                                                                                                                          |              |                         |            |                       |            |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Dwg. No.  | Description |  |  |                  |  |  |  |                                                                                                           |  | DMRC APPROVAL |  | MGR/ARCH                                                        |  | DY CA (UG)-II |  | CA/ARCH                                                                                                                                                                                               |  | Architecture<br>Design In-charge/ Coordinator |  | Structure<br>Design In-charge/ Coordinator |  | E&M<br>Design In-charge/ Coordinator |  | <div>PHASE 1B JAIPUR METRO PROJECT</div> <div>STATION: CHOTI CHOUPAR</div> <div>DRAWING TITLE: NOTES &amp; LEGEND FOR FIRE FIGHTING</div> <table><tr><td colspan="2">DRAWN BY :<br/>RSR</td><td colspan="2">CHECKED BY:<br/>A.H</td><td colspan="2">VERIFIED BY:<br/>L.R.S</td><td rowspan="2">JP/EW/1B/DDC01</td><td rowspan="2">FIRE FIGHTING</td></tr><tr><td>DATE:<br/>31-03-2015</td><td>REV:<br/>R0</td><td colspan="2">GRAPHICAL SCALE:<br/>NTS</td><td colspan="2">STATUS:<br/>FOR TENDER</td></tr><tr><td colspan="2">DRAWING NUMBER:<br/>JP-TD-FF-10CC-1002</td><td colspan="2">SHEET NO.<br/>1 OF 1</td><td colspan="2">SHEET SIZE<br/>UNE A1</td><td colspan="2">ORDER N°<br/>P36-0017</td><td colspan="2"> </td><td colspan="2"> </td><td colspan="2"> </td><td colspan="2"> </td><td colspan="2"> </td></tr></table> <div>This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.</div> |  |  |  | DRAWN BY :<br>RSR |  | CHECKED BY:<br>A.H |  | VERIFIED BY:<br>L.R.S |  | JP/EW/1B/DDC01 | FIRE FIGHTING | DATE:<br>31-03-2015 | REV:<br>R0 | GRAPHICAL SCALE:<br>NTS |  | STATUS:<br>FOR TENDER |  | DRAWING NUMBER:<br>JP-TD-FF-10CC-1002 |  | SHEET NO.<br>1 OF 1 |  | SHEET SIZE<br>UNE A1 |  | ORDER N°<br>P36-0017 |  |  |  |  |  |  |  |  |  |  |  |
|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                         |            |                       |            |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Dwg. No.  | Description |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                   | DRAWN BY :<br>RSR                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | CHECKED BY:<br>A.H      |            | VERIFIED BY:<br>L.R.S |            | JP/EW/1B/DDC01        | FIRE FIGHTING |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
|                                                                   | DATE:<br>31-03-2015                                                                                                                                                                                                                                                                                                                                                                                                                                                              | REV:<br>R0   | GRAPHICAL SCALE:<br>NTS |            | STATUS:<br>FOR TENDER |            |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
|                                                                   | DRAWING NUMBER:<br>JP-TD-FF-10CC-1002                                                                                                                                                                                                                                                                                                                                                                                                                                            |              | SHEET NO.<br>1 OF 1     |            | SHEET SIZE<br>UNE A1  |            | ORDER N°<br>P36-0017  |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
|                                                                   | DY CSTE/TELECOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              | CSTE-I                  |            | DY CE/DESIGN          |            | CE/TECH               |               | <div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</div> <div> Engineering, Information, Imagination.<br/>56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)</div> |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| DY CSTE/AFC                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                         | ED/S&T     |                       | CSO        |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| DY CSTE/SIGNALLING                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CSTE-II      |                         | GM/O       |                       | GMM        |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| DY CE/PLANNING                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DY CEE/E&M   |                         | DY CEE/ECS |                       | ED/ELEC-II |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| DY CEE/(E)UG-TR                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CGM(E) UG-TR |                         | PM         |                       | CPM        |                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| REV                                                               | PARTICULARS                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DRN.         | CHD.                    | VER.       | DATE                  | ISSUE DATE | REV. FOR CONSTRUCTION |               |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |             |  |  |                  |  |  |  |                                                                                                           |  |               |  |                                                                 |  |               |  |                                                                                                                                                                                                       |  |                                               |  |                                            |  |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                   |  |                    |  |                       |  |                |               |                     |            |                         |  |                       |  |                                       |  |                     |  |                      |  |                      |  |  |  |  |  |  |  |  |  |  |  |



| LEGEND |        |                            |
|--------|--------|----------------------------|
| S.NO.  | SYMBOL | DESCRIPTION                |
| 1      |        | 6 KG ABC FIRE EXTINGUISHER |
| 2      |        | HYDRANT PIPE               |
| 3      |        | FIRE HOSE CABINET          |



| PLUMBING & FIRE FIGHTING SCHEDULE |                |          |            |                  |
|-----------------------------------|----------------|----------|------------|------------------|
| CUT OUT NUMBER                    | PURPOSE        | SIZE (M) | AREA(Sq.M) | CUT OUT POSITION |
| PL03                              | PLUMBING SHAFT | SHAFT    | 1.40X1.10  | 1.38             |
|                                   |                | CUTOUT   | 1.00X0.70  | 0.70             |
|                                   |                |          |            | FLOOR            |

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- ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
- ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

**REFERENCE DRAWINGS**

| Dwg. No. | Description |
|----------|-------------|
|          |             |
|          |             |

**REVISIONS**

| REV | PARTICULARS | DRN | CHD | VER | DATE | ISSUE DATE | REV. FOR CONSTRUCTION |
|-----|-------------|-----|-----|-----|------|------------|-----------------------|
|     |             |     |     |     |      |            |                       |

**APPROVAL BY DMRC**

| DMRC APPROVAL      | MGR/ARCH     | DY CA (UG)-III | CA/ARCH     |
|--------------------|--------------|----------------|-------------|
| DY CSTE/TELECOM    | CSTE-I       | DY CE/DESIGN   | CE/TECH     |
| DY CSTE/AFC        |              | ED/S&T         | CSO         |
| DY CSTE/SIGNALLING | CSTE-II      | GM/O           | GMM         |
| DY CE/PLANNING     | DY CEE/E&M   | DY CEE/ECS     | ED/ELEC -II |
| DY CEE/(E)UG-TR    | CGM(E) UG-TR | PM             | CPM         |

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC.  
JP/EW/1B/DDC01 Project Manager

| Architecture                  | Structure                     | E&M                           |
|-------------------------------|-------------------------------|-------------------------------|
| Design In-charge/ Coordinator | Design In-charge/ Coordinator | Design In-charge/ Coordinator |

**DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO**

**ayesa** Engineering, Information, Imagination.  
56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

**DELHI METRO RAIL CORPORATION LTD.**  
Metro Bhawan , Fire Brgade Lane, Barakhamba Road, New Delhi-110001

**PHASE 1B JAIPUR METRO PROJECT**

**STATION: CHOTI CHOUPAR**

**DRAWING TITLE: FIRE FIGHTING ANCILLARY BUILDING-GROUND LEVEL PLAN**

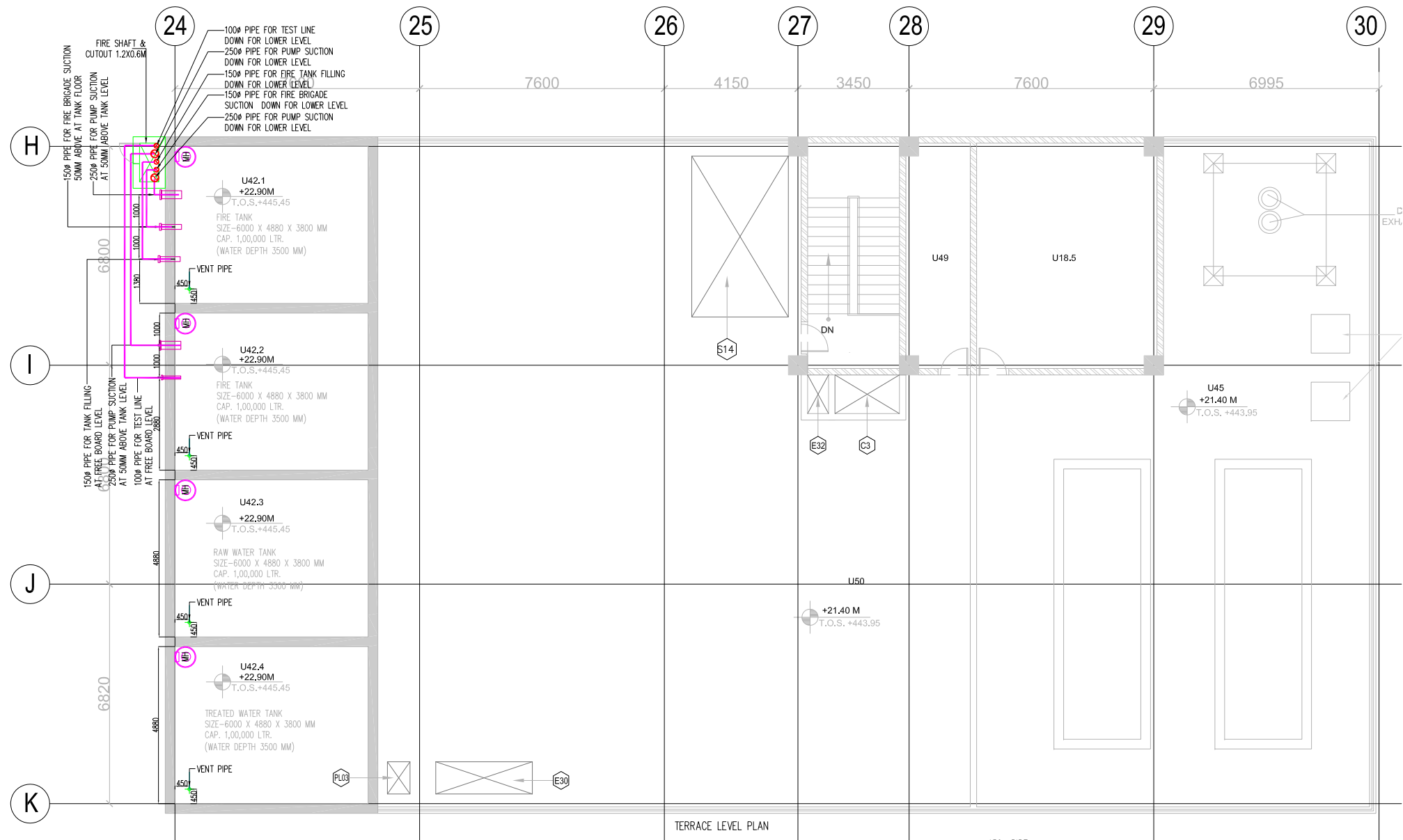
| DRAWN BY: | CHECKED BY: | VERIFIED BY: |
|-----------|-------------|--------------|
| RSR       | A.H         | L.R.S.       |

| DATE:      | REV: | GRAPHICAL SCALE: | STATUS:    |
|------------|------|------------------|------------|
| 31-03-2015 | R0   | 1:75             | FOR TENDER |

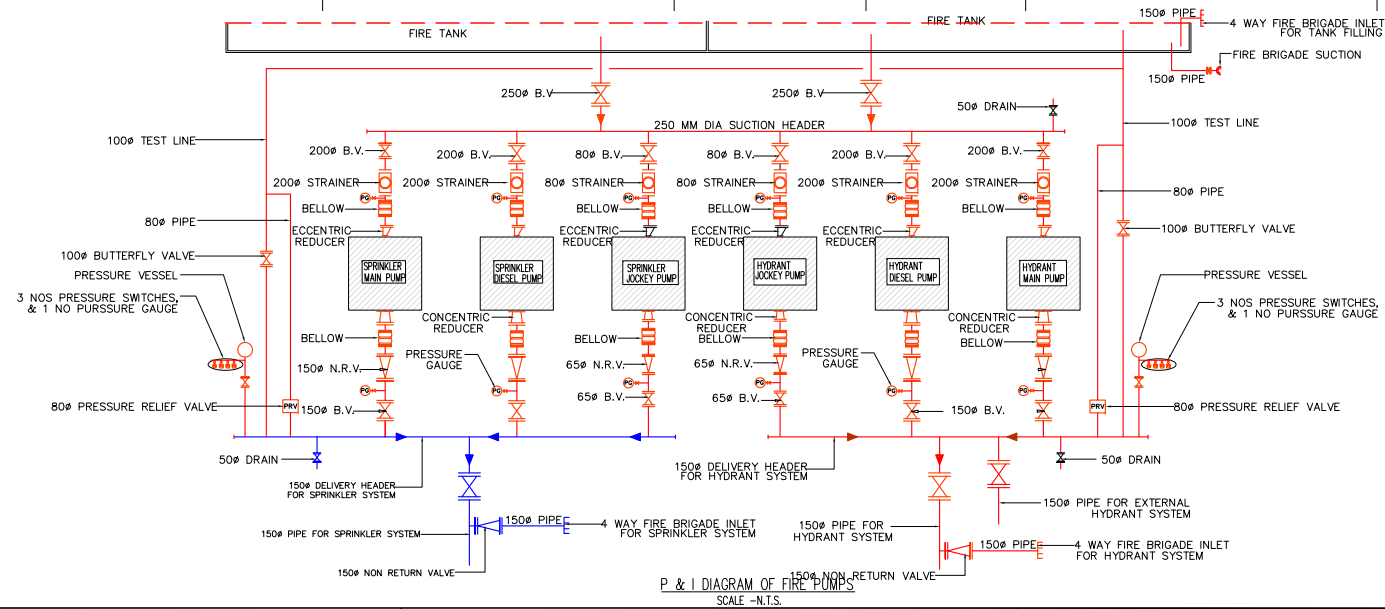
| DRAWING NUMBER:    | SHEET NO. | SHEET SIZE | ORDER N° |
|--------------------|-----------|------------|----------|
| JP-TD-FF-10CC-1202 | 2 OF 3    | A1         | P36-0017 |

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| LEGEND |        |                |
|--------|--------|----------------|
| S.NO.  | SYMBOL | DESCRIPTION    |
| 1      |        | HYDRANT PIPE   |
| 2      |        | SPRINKLER PIPE |



| PLUMBING & FIRE FIGHTING SCHEDULE |                |          |            |                  |
|-----------------------------------|----------------|----------|------------|------------------|
| CUT OUT NUMBER                    | PURPOSE        | SIZE (M) | AREA(Sq.M) | CUT OUT POSITION |
| PL03                              | PLUMBING SHAFT | SHAFT    | 1.40X1.10  | 1.38             |
|                                   |                | CUTOUT   | 1.00X0.70  | 0.70             |
|                                   |                |          |            | FLOOR            |

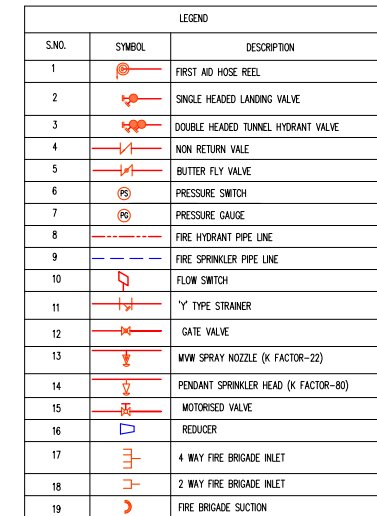
| GENERAL NOTES                                                                                                                                                  |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1. ALL DIMENSIONS ARE IN MILLIMETERS.                                                                                                                          |             |
| 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.                                                                                                             |             |
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| 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. |             |
| 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.                                                                          |             |
| REFERENCE DRAWINGS                                                                                                                                             |             |
| Dwg. No.                                                                                                                                                       | Description |
|                                                                                                                                                                |             |

| REVISIONS |             |     |     |     |      |            |                       |
|-----------|-------------|-----|-----|-----|------|------------|-----------------------|
| REV       | PARTICULARS | DRN | CHD | VER | DATE | ISSUE DATE | REV. FOR CONSTRUCTION |
|           |             |     |     |     |      |            |                       |

| APPROVAL BY DMRC   |              |                |             |
|--------------------|--------------|----------------|-------------|
| DMRC APPROVAL      | MGR/ARCH     | DY CA (UG)-III | CA/ARCH     |
| DY CSTE/TELECOM    | CSTE-I       | DY CE/DESIGN   | CE/TECH     |
| DY CSTE/AFC        |              | ED/S&T         | CSO         |
| DY CSTE/SIGNALLING | CSTE-II      | GM/O           | GMM         |
| DY CE/PLANNING     | DY CEE/E&M   | DY CEE/ECS     | ED/ELEC -II |
| DY CEE(E)/UG-TR    | CGM(E) UG-TR | PM             | CPM         |

|                                                                                                                                                                                                                                                                                                                                             |                                            |                                      |                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|-----------------------------------------------------------------|--|
| Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.                                                                                                                                                                                                                                   |                                            |                                      | Authorised Signatory for DDC.<br>JP/EW/1B/DDC01 Project Manager |  |
| Architecture<br>Design In-charge/ Coordinator                                                                                                                                                                                                                                                                                               | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator |                                                                 |  |
| DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO                                                                                                                                                           |                                            |                                      |                                                                 |  |
| <div><div>Engineering,<br/>Information,<br/>Imagination.</div></div> <div>56, Indo-Asia House, Institutional Area, sector-44<br/>Gurgaon - 122002 (Haryana)</div> |                                            |                                      |                                                                 |  |

|                                                                                                                                                                  |         |                       |               |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|---------------|---------------------|
| <b>DELHI METRO RAIL CORPORATION LTD.</b><br>Metro Bhawan , Fire Brgade Lane, Barakhamba Road, New Delhi-110001                                                   |         |                       |               |                     |
| PHASE 1B JAIPUR METRO PROJECT                                                                                                                                    |         |                       |               |                     |
| STATION: CHOTI CHOUPAR                                                                                                                                           |         |                       |               |                     |
| DRAWING TITLE: FIRE FIGHTING ANCILLARY BUILDING-DIAGRAM & TANK SLEEVE DETAIL                                                                                     |         |                       |               |                     |
| DRAWN BY: RSR                                                                                                                                                    |         | CHECKED BY: A.H       |               | VERIFIED BY: L.R.S. |
| DATE: 31-03-2015                                                                                                                                                 | REV: R0 | GRAPHICAL SCALE: 1:75 |               | STATUS: FOR TENDER  |
| DRAWING NUMBER: JP-TD-FF-10CC-1203                                                                                                                               |         | SHEET NO. 3 OF 3      | SHEET SIZE A1 | ORDER N° P36-0017   |
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| S.NO. | ITEM                            | DISCHARGE           | HEAD   | DRIVE    |
|-------|---------------------------------|---------------------|--------|----------|
| 1.    | HP = HYDRANT PUMP               | 2839 LPM            | 75 MMC | ELECTRIC |
| 2.    | HDP = HYDRANT DIESEL PUMP       | 2839 LPM            | 75 MMC | ELECTRIC |
| 3.    | HJP = HYDRANT JOCKEY PUMP       | 189 LPM             | 75 MMC | ELECTRIC |
| 4.    | SP = SPRINKLER PUMP             | 2839 LPM            | 56 MMC | ELECTRIC |
| 5.    | SDP = SPRINKLER DIESEL PUMP     | 2839 LPM            | 56 MMC | ELECTRIC |
| 6.    | SJP = SPRINKLER JOCKEY PUMP     | 189 LPM             | 56 MMC | ELECTRIC |
| 7.    | AIR VESSEL FOR HYDRANT SYSTEM   | 4500 x 1500 MM HIGH |        |          |
| 8.    | AIR VESSEL FOR SPRINKLER SYSTEM | 4500 x 1500 MM HIGH |        |          |

1. ALL DIMENSIONS ARE IN METRIC TOLERANCE.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
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5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

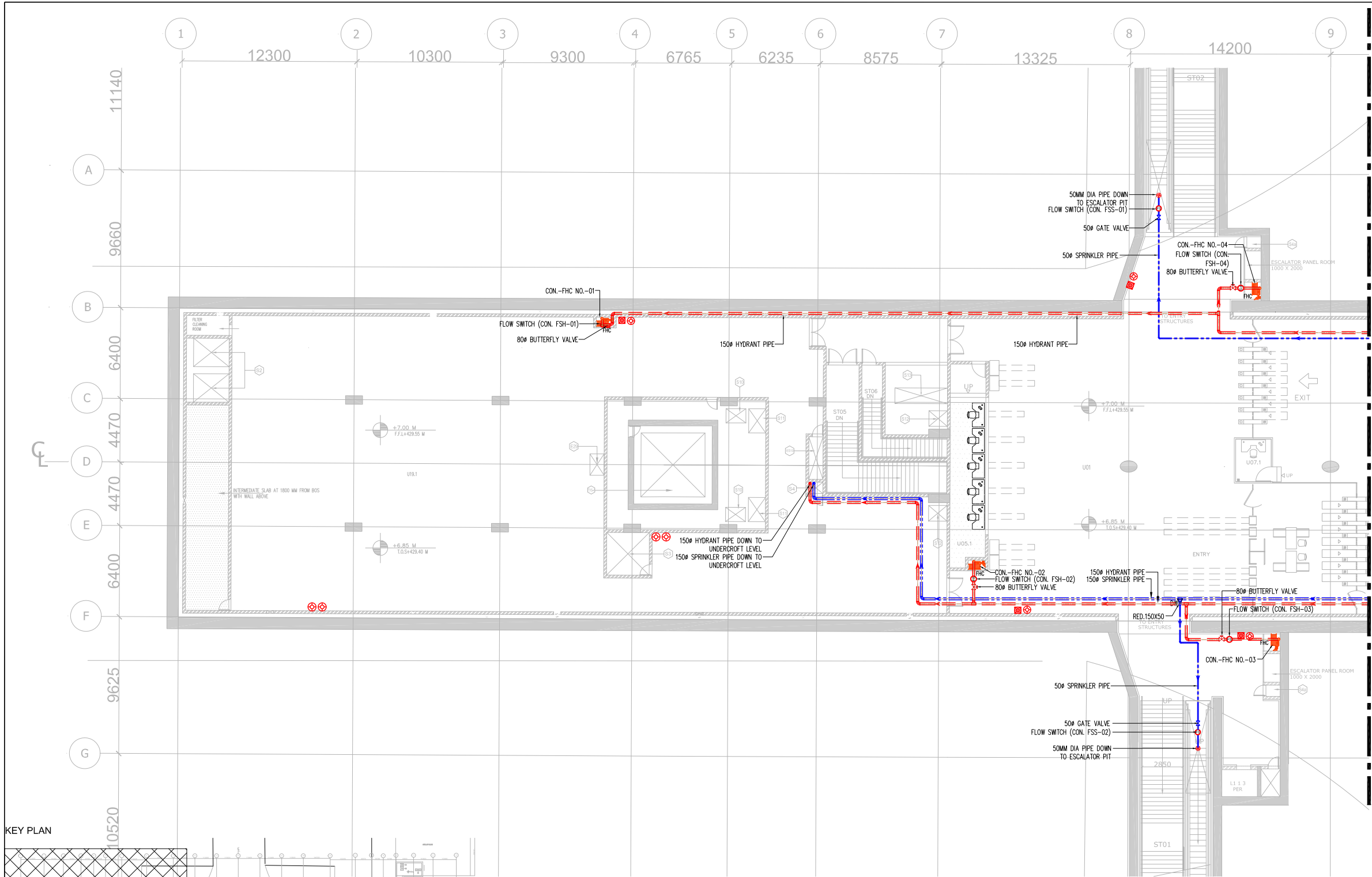
| REFERENCE DRAWINGS |             |
|--------------------|-------------|
| Dwg. No.           | Description |
|                    |             |

[illegible]

| APPROVAL BY DMRC   |              |                |            |
|--------------------|--------------|----------------|------------|
| DMRC APPROVAL      | MGR/ARCH     | DY CA (UG)-III | CA/ARCH    |
| DY CSTE/TELECOM    | CSTE-I       | DY CE/DESIGN   | CE/TECH    |
| DY CSTE/AFC        |              | ED/S&T         | CSO        |
| DY CSTE/SIGNALLING | CSTE-III     | GM/O           | GMM        |
| DY CE/PLANNING     | DY CEE/E&M   | DY CEE/ECS     | ED/ELEC-II |
| DY CEE/(E)UG-TR    | CGM(E) UG-TR | PM             | CPM        |

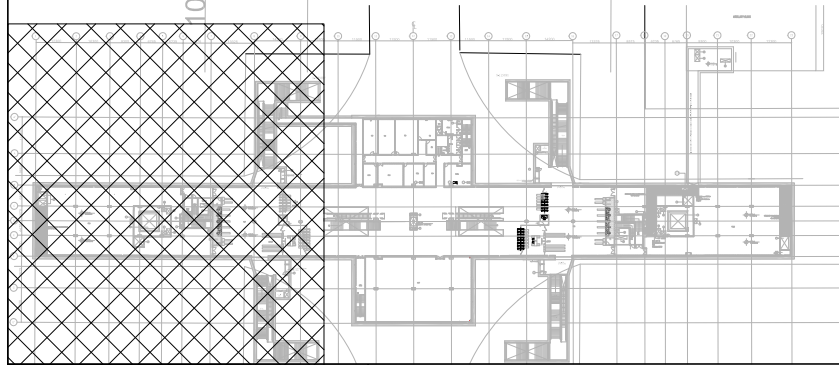
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------|
| Certified that this document has been designed and checked<br>In accordance with DDC Quality Assurance Plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            | Authorised Signatory for DDC.<br>JP/EW/1B/DDC01 Project Manager |
| Architecture<br>Design In-charge/ Coordinator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator                            |
| <p align="center"> <b>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp;<br/>           BUILDING WORKS OF TWO UNDERGROUND STATION<br/>           (CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS<br/>           OF PHASE 1B OF JAIPUR METRO</b> </p> <p align="center">         Engineering,<br/>Information,<br/>Imagination.     </p> <p align="center">       56, Indo-Asia House, Institutional Area, sector-44<br/>       Gurgaon - 122002 (Haryana)     </p> |                                            |                                                                 |

|                                                                                                                                                                  |                                                                                                                                                            |                                                         |
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|                                                                             | <h1 style="margin: 0;">DELHI METRO RAIL CORPORATION LTD.</h1> <p style="margin: 0;">Metro Bhawan , Fire Brgade Lane, Barakhamba Road, New Delhi-110001</p> |                                                         |
| <h2 style="margin: 0;">PHASE 1B JAIPUR METRO PROJECT</h2>                                                                                                        |                                                                                                                                                            |                                                         |
| <h3 style="margin: 0;">STATION: CHOTI CHOUPAR</h3>                                                                                                               |                                                                                                                                                            |                                                         |
| <h4 style="margin: 0;">DRAWING TITLE: P &amp; I DIAGRAM OF FIRE FIGHTING SYSTEM</h4>                                                                             |                                                                                                                                                            |                                                         |
| DRAWN BY: <span style="float: right;">RSR</span>                                                                                                                 | CHECKED BY: <span style="float: right;">A.H</span>                                                                                                         | VERIFIED BY: <span style="float: right;">L.R.S</span>   |
| DATE: <span style="float: right;">31-03-2015</span>                                                                                                              | REV: <span style="float: right;">R0</span>                                                                                                                 | GRAPHICAL SCALE: <span style="float: right;">NTS</span> |
|                                                                                                                                                                  |                                                                                                                                                            | STATUS: <span style="float: right;">FOR TENDER</span>   |
| DRAWING NUMBER: <span style="float: right;">JP-TD-FF-10CC-1204</span>                                                                                            | SHEET NO. <span style="float: right;">1 OF 1</span>                                                                                                        | SHEET SIZE <span style="float: right;">ORDER N°</span>  |
|                                                                                                                                                                  |                                                                                                                                                            | <span style="float: right;">P36-0017</span>             |
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| LEGEND |        |                                         |
|--------|--------|-----------------------------------------|
| S.NO.  | SYMBOL | DESCRIPTION                             |
| 1      |        | SPRAY NOZZLE K-22                       |
| 2      |        | SPRINKLER HEAD                          |
| 3      |        | FLOW SWITCH                             |
| 4      |        | MOTORISED CONTROL VALVE                 |
| 5      |        | BUTTERFLY VALVE                         |
| 6      |        | FIRST AID HOSE REEL                     |
| 7      |        | HYDRANT PIPE                            |
| 8      |        | SPRINKLER PIPE                          |
| 9      |        | 9 LTR. WATER TYPE FIRE EXTINGUISHERS    |
| 10     |        | 4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER |
| 11     |        | REDUCER                                 |
| 12     |        | FIRE HOSE CABINET                       |

KEY PLAN



| PLUMBING & FIRE FIGHTING SCHEDULE |                                |            |            |                  |
|-----------------------------------|--------------------------------|------------|------------|------------------|
| CUT OUT NUMBER                    | PURPOSE                        | SIZE (M)   | AREA(Sq.M) | CUT OUT POSITION |
| S4                                | PLUMBING & FIRE SHAFT & CUTOUT | 1.00X0.80  | 0.80       | FLOOR            |
| S4b                               | PLUMBING SHAFT & CUTOUT        | 1.90X0.63  | 1.20       | FLOOR            |
| S4e                               | PLUMBING SHAFT & CUTOUT        | 1.225X1.30 | 1.59       | FLOOR            |
| PL01                              | SUMP PUMP CUTOUT               | 0.60X0.75  | 0.45       | FLOOR            |
| PL02                              | SUMP ACCESS CUTOUT             | 0.60X0.60  | 0.36       | FLOOR            |

| ROOM SCHEDULE |               |                                 |                      |              |
|---------------|---------------|---------------------------------|----------------------|--------------|
| S.NO.         | ROOM SCHEDULE | ROOM NAME                       | DIMENSION (M.) (LxW) | AREA (Sq.m.) |
| 1             | U01           | UNPAID AREA                     |                      | 1035.90*     |
| 2             | U02           | PAID AREA                       |                      | 1497.75*     |
| 3             | U03           | STATION CONTROL ROOM (SCR)      | 7.700 x 7.050        | 54.29        |
| 4             | U04           | STATION MANAGER ROOM (SMR)      | 4.300 x 7.035        | 29.37*       |
| 5             | U05.1         | TICKET OFFICE (TOM)             | 2.500 x 14.34        | 34.80*       |
| 6             | U05.2         | TICKET OFFICE (TOM)             | 2.500 x 14.34        | 34.80*       |
| 7             | U07.1         | EXCESS FARE OFFICE (EFO)        | 2.500 x 3.000        | 7.50         |
| 8             | U07.2         | EXCESS FARE OFFICE (EFO)        | 2.500 x 3.000        | 7.50         |
| 9             | U09           | SECURITY ROOM 1                 | 1.700X2.000          | 3.40         |
| 10            | U10           | STATION STORE ROOM              | 7.100 x 5.260        | 37.35        |
| 11            | U12           | CLEANER'S ROOM                  | 1.700 x 2.000        | 3.40         |
| 12            | U14           | STAFF TOILET                    | 1.700 x 2.475        | 4.21         |
| 13            | U15.1         | PUBLIC TOILETS (Male)           | 5.850 x 4.675        | 27.32        |
| 14            | U15.2         | PUBLIC TOILETS (Female)         | 4.100 x 5.550        | 23.50*       |
| 15            | U16           | MESS ROOM                       | 5.280 x 6.100        | 32.21        |
| 16            | U18.1         | DB ROOM                         | 8.100 x 7.085        | 53.74*       |
| 17            | U18.2         | DB ROOM                         | 6.000 x 7.065        | 41.24*       |
| 18            | U19.1         | ECS PLANT ROOM (ECS)            | 50.350 x 20.740      | 803.05*      |
| 19            | U19.2         | ECS PLANT ROOM (ECS)            | 53.300 x 20.740      | 804.05*      |
| 20            | U22           | SIGNALLING EQUIPMENT ROOM (SER) | 6.820 x 10.715       | 72.60*       |
| 21            | U23           | TELECOM EQUIPMENT ROOM (TER)    | 5.000 x 10.715       | 53.58        |
| 22            | U24           | UPS ROOM for S&T                | 4.400 x 10.715       | 46.72*       |
| 23            | U46           | HANDICAP TOILET                 | 1.750 x 2.250        | 3.94         |
| 24            | U47           | PD AREA                         | 32.25 x 20.00        | 637.26*      |

GENERAL NOTES:

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- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REVISIONS

| REV | PARTICULARS | DRN. | CHD. | VER. | DATE | ISSUE DATE | REV. FOR CONSTRUCTION |
|-----|-------------|------|------|------|------|------------|-----------------------|
|     |             |      |      |      |      |            |                       |

APPROVAL BY DMRC

| DMRC APPROVAL      | MGR/ARCH     | DY CA (UG)-III | CA/ARCH     |
|--------------------|--------------|----------------|-------------|
| DY CSTE/TELECOM    | CSTE-I       | DY CE/DESIGN   | CE/TECH     |
| DY CSTE/AFC        |              | ED/S&T         | CSO         |
| DY CSTE/SIGNALLING | CSTE-II      | GM/O           | GMM         |
| DY CE/PLANNING     | DY CEE/E&M   | DY CEE/ECS     | ED/ELEC -II |
| DY CEE/(E)UG-TR    | CGM(E) UG-TR | PM             | CPM         |

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC.  
JP/EW/1B/DDC01 Project Manager

| Architecture<br>Design In-charge/ Coordinator | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator |
|-----------------------------------------------|--------------------------------------------|--------------------------------------|
|                                               |                                            |                                      |

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

**ayesa** Engineering, Information, Imagination.  
56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

**DELHI METRO RAIL CORPORATION LTD.**  
Metro Bhawan , Fire Bldg Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

DRAWING TITLE: FIRE FIGHTING - CONCOURSE LEVEL

| DRAWN BY: | CHECKED BY: | VERIFIED BY: |
|-----------|-------------|--------------|
| RSR       | A.H         | L.R.S        |

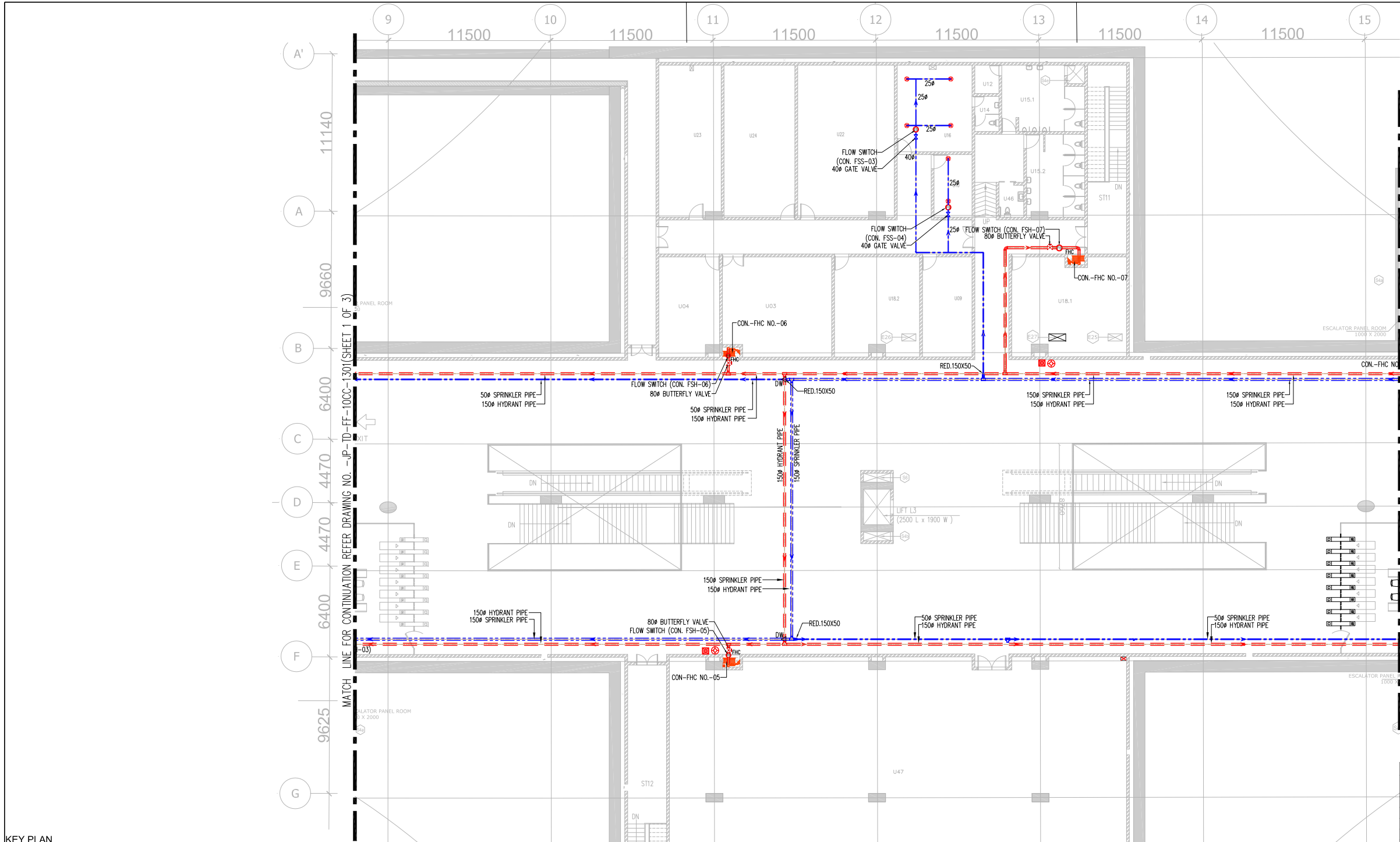
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| 31-03-2015 | R0   | 1:150            | FOR TENDER |

| DRAWING NUMBER:    | SHEET NO. | SHEET SIZE | ORDER N° |
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| JP-TD-TD-10CC-1301 | 1 OF 3    | A1         | P36-0017 |

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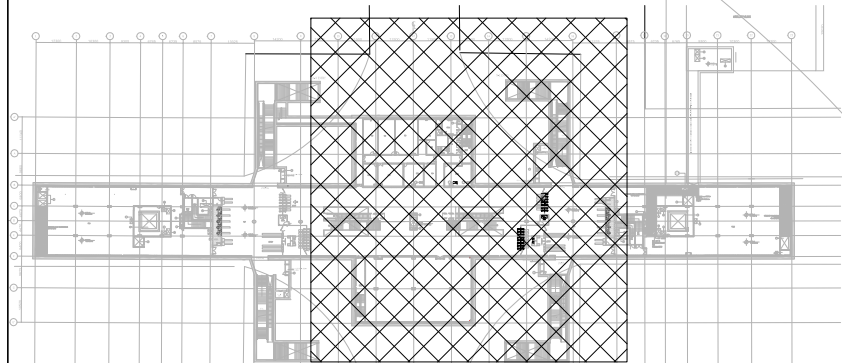
JP/EW/1B/DDC01  
FIRE FIGHTING





| LEGEND |        |                                         |
|--------|--------|-----------------------------------------|
| S.NO.  | SYMBOL | DESCRIPTION                             |
| 1      |        | SPRAY NOZZLE K-22                       |
| 2      |        | SPRINKLER HEAD                          |
| 3      |        | FLOW SWITCH                             |
| 4      |        | MOTORISED CONTROL VALVE                 |
| 5      |        | BUTTERFLY VALVE                         |
| 6      |        | FIRST AID HOSE REEL                     |
| 7      |        | HYDRANT PIPE                            |
| 8      |        | SPRINKLER PIPE                          |
| 9      |        | 9 LTR WATER TYPE FIRE EXTINGUISHERS     |
| 10     |        | 4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER |
| 11     |        | REDUCER                                 |
| 12     |        | FIRE HOSE CABINET                       |

KEY PLAN



| PLUMBING & FIRE FIGHTING SCHEDULE |                                |            |            |                  |
|-----------------------------------|--------------------------------|------------|------------|------------------|
| CUT OUT NUMBER                    | PURPOSE                        | SIZE (M)   | AREA(Sq.M) | CUT OUT POSITION |
| S4                                | PLUMBING & FIRE SHAFT & CUTOFF | 1.00X0.80  | 0.80       | FLOOR            |
| S4b                               | PLUMBING SHAFT & CUTOFF        | 1.90X0.63  | 1.20       | FLOOR            |
| S4e                               | PLUMBING SHAFT & CUTOFF        | 1.225X1.30 | 1.59       | FLOOR            |
| PL01                              | SUMP PUMP CUTOFF               | 0.60X0.75  | 0.45       | FLOOR            |
| PL02                              | SUMP ACCESS CUTOFF             | 0.60X0.60  | 0.36       | FLOOR            |

| ROOM SCHEDULE |               |                                 |                      |              |
|---------------|---------------|---------------------------------|----------------------|--------------|
| S.NO.         | ROOM SCHEDULE | ROOM NAME                       | DIMENSION (M.) (LxW) | AREA (Sq.m.) |
| 1             | U01           | UNPAID AREA                     |                      | 1035.90*     |
| 2             | U02           | PAID AREA                       |                      | 1497.75*     |
| 3             | U03           | STATION CONTROL ROOM (SCR)      | 7.700 x 7.050        | 54.29        |
| 4             | U04           | STATION MANAGER ROOM (SMR)      | 4.300 x 7.035        | 29.37*       |
| 5             | U05.1         | TICKET OFFICE (TOM)             | 2.500 x 14.34        | 34.80*       |
| 6             | U05.2         | TICKET OFFICE (TOM)             | 2.500 x 14.34        | 34.80*       |
| 7             | U07.1         | EXCESS FARE OFFICE (EFO)        | 2.500 x 3.000        | 7.50         |
| 8             | U07.2         | EXCESS FARE OFFICE (EFO)        | 2.500 x 3.000        | 7.50         |
| 9             | U09           | SECURITY ROOM 1                 | 1.700X2.000          | 3.40         |
| 10            | U10           | STATION STORE ROOM              | 7.100 x 5.260        | 37.35        |
| 11            | U12           | CLEANER'S ROOM                  | 1.700 x 2.000        | 3.40         |
| 12            | U14           | STAFF TOILET                    | 1.700 x 2.475        | 4.21         |
| 13            | U15.1         | PUBLIC TOILETS (Male)           | 5.850 x 4.675        | 27.32        |
| 14            | U15.2         | PUBLIC TOILETS (Female)         | 4.100 x 5.550        | 23.50*       |
| 15            | U16           | MESS ROOM                       | 5.280 x 6.100        | 32.21        |
| 16            | U18.1         | DB ROOM                         | 8.100 x 7.085        | 53.74*       |
| 17            | U18.2         | DB ROOM                         | 6.000 x 7.065        | 41.24*       |
| 18            | U19.1         | ECS PLANT ROOM (ECS)            | 50.350 x 20.740      | 803.05*      |
| 19            | U19.2         | ECS PLANT ROOM (ECS)            | 53.300 x 20.740      | 804.05*      |
| 20            | U22           | SIGNALLING EQUIPMENT ROOM (SER) | 6.820 x 10.715       | 72.60*       |
| 21            | U23           | TELECOM EQUIPMENT ROOM (TER)    | 5.000 x 10.715       | 53.58        |
| 22            | U24           | UPS ROOM for S&T                | 4.400 x 10.715       | 46.72*       |
| 23            | U46           | HANDICAP TOILET                 | 1.750 x 2.250        | 3.94         |
| 24            | U47           | PD AREA                         | 32.25 x 20.00        | 637.26*      |

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- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

| Dwg. No. | Description |
|----------|-------------|
|          |             |

REVISIONS

| REV | PARTICULARS | DRN. | CHD. | VER. | DATE | ISSUE DATE | REV. FOR CONSTRUCTION |
|-----|-------------|------|------|------|------|------------|-----------------------|
|     |             |      |      |      |      |            |                       |

APPROVAL BY DMRC

| DMRC APPROVAL      | MGR/ARCH     | DY CA (UG)-III | CA/ARCH    |
|--------------------|--------------|----------------|------------|
| DY CSTE/TELECOM    | CSTE-I       | DY CE/DESIGN   | CE/TECH    |
| DY CSTE/AFC        |              | ED/S&T         | CSO        |
| DY CSTE/SIGNALLING | CSTE-II      | GM/O           | GMM        |
| DY CE/PLANNING     | DY CEE/E&M   | DY CEE/ECS     | ED/ELEC-II |
| DY CEE(E)/UG-TR    | CGM(E) UG-TR | PM             | CPM        |

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC.  
JP/EW/1B/DDC01 Project Manager

| Architecture                  | Structure                     | E&M                           |
|-------------------------------|-------------------------------|-------------------------------|
| Design In-charge/ Coordinator | Design In-charge/ Coordinator | Design In-charge/ Coordinator |

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

**ayesa** Engineering, Information, Imagination.  
56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

**DELHI METRO RAIL CORPORATION LTD.**  
Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

DRAWING TITLE: FIRE FIGHTING - CONCOURSE LEVEL

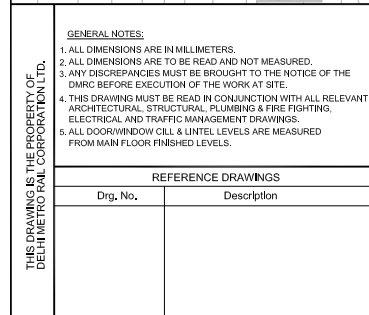
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|-----------|-------------|--------------|
| RSR       | A.H         | L.R.S        |

| DATE:      | REV: | GRAPHICAL SCALE: | STATUS:    |
|------------|------|------------------|------------|
| 31-03-2015 | R0   | 1:150            | FOR TENDER |

| DRAWING NUMBER:    | SHEET NO. | SHEET SIZE | ORDER N° |
|--------------------|-----------|------------|----------|
| JP-TD-FF-10CC-1302 | 2 OF 3    | A1         | P36-0017 |

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JP/EW/1B/DDC01  
FIRE FIGHTING



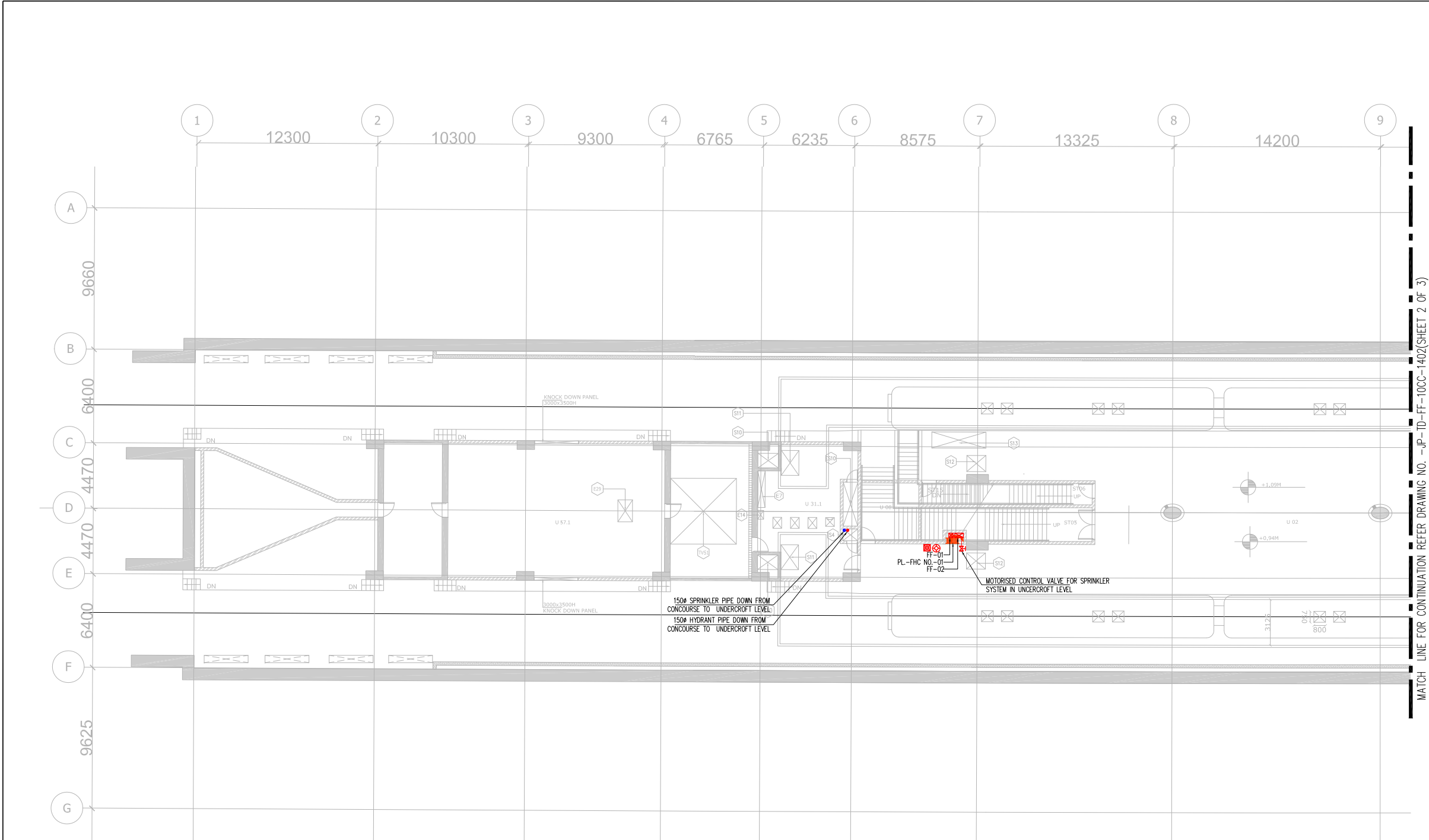
| APPROVAL BY DMRC   |              |                |             |
|--------------------|--------------|----------------|-------------|
| DMRC APPROVAL      | MGR/ARCH     | DY CA (UG)-III | CA/ARCH     |
| DY CSTE/TELECOM    | CSTE-I       | DY CE/DESIGN   | CE/TECH     |
| DY CSTE/AFC        |              | ED/S&T         | CSO         |
| DY CSTE/SIGNALLING | CSTE-III     | GM/O           | GM/M        |
| DY CE/PLANNING     | DY CEE/E&M   | DY CEE/ECS     | ED/ELEC -II |
| DY CEE/(E)UG-TR    | CGM(E) UG-TR | PM             | CPM         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------|
| Certified that this document has been designed and checked<br>in accordance with DDC Quality Assurance Plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            | Authorised Signatory for DDC.<br>JP/EW/1B/DDC01 Project Manager |
| Architecture<br>Design In-charge/ Coordinator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator                            |
| <p align="center"> <b>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp;<br/>           BUILDING WORKS OF TWO UNDERGROUND STATION<br/>           (CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS<br/>           OF PHASE 1B OF JAIPUR METRO</b> </p> <p align="center">           Engineering,<br/>         Information,<br/>         Imagination.       </p> <p align="center">         56, Indo-Asia House, Institutional Area, sector-44<br/>         Gurgaon - 122002 (Haryana)       </p> |                                            |                                                                 |

| ROOM SCHEDULE |               |                                 |                          |                |
|---------------|---------------|---------------------------------|--------------------------|----------------|
| S.NO.         | ROOM SCHEDULE | ROOM NAME                       | DIMENSION (M.).<br>(LxW) | AREA<br>(Sqm.) |
| 1             | U01           | UNPAID AREA                     |                          | 1035.90*       |
| 2             | U02           | PAID AREA                       |                          | 1497.75*       |
| 3             | U03           | STATION CONTROL ROOM (SCR)      | 7.700 x 7.050            | 54.29          |
| 4             | U04           | STATION MANAGER ROOM (SMR)      | 4.300 x 7.035            | 29.37*         |
| 5             | U05.1         | TICKET OFFICE (TOM)             | 2.500 x 14.34            | 34.80*         |
| 6             | U05.2         | TICKET OFFICE (TOM)             | 2.500 x 14.34            | 34.80*         |
| 7             | U07.1         | EXCESS FARE OFFICE (EFO)        | 2.500 x 3.000            | 7.50           |
| 8             | U07.2         | EXCESS FARE OFFICE (EFO)        | 2.500 x 3.000            | 7.50           |
| 9             | U09           | SECURITY ROOM 1                 | 1.700x2.000              | 3.40           |
| 10            | U10           | STATION STORE ROOM              | 7.100 x 5.260            | 37.35          |
| 11            | U12           | CLEANER'S ROOM                  | 1.700 x 2.000            | 3.40           |
| 12            | U14           | STAFF TOILET                    | 1.700 x 2.475            | 4.21           |
| 13            | U15.1         | PUBLIC TOILETS (Male)           | 5.850 x 4.675            | 27.32          |
| 14            | U15.2         | PUBLIC TOILETS (Female)         | 4.100 x 5.550            | 23.50*         |
| 15            | U16           | MESS ROOM                       | 5.280 x 6.100            | 32.21          |
| 16            | U18.1         | DB ROOM                         | 8.100 x 7.085            | 53.74*         |
| 17            | U18.2         | DB ROOM                         | 6.000 x 7.065            | 41.24*         |
| 18            | U19.1         | ECS PLANT ROOM (ECS)            | 50.350 x 20.740          | 803.05*        |
| 19            | U19.2         | ECS PLANT ROOM (ECS)            | 53.300 x 20.740          | 804.05*        |
| 20            | U22           | SIGNALLING EQUIPMENT ROOM (SER) | 6.820 x 10.715           | 72.60*         |
| 21            | U23           | TELECOM EQUIPMENT ROOM (TER)    | 5.000 x 10.715           | 53.58          |
| 22            | U24           | UPS ROOM for S&T                | 4.400 x 10.715           | 46.72*         |
| 23            | U46           | HANDICAP TOILET                 | 1.750 x 2.250            | 3.94           |
| 24            | U47           | PD AREA                         | 32.25 x 20.00            | 637.26*        |

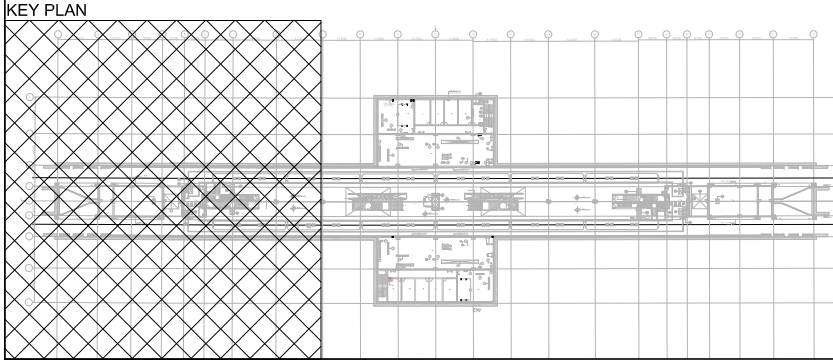
|                                                                                                                                                                                 |                                                                                                                                                             |                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|                                                                                            | <h1 style="margin: 0;">DELHI METRO RAIL CORPORATION LTD.</h1> <p style="margin: 0;">Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001</p> |                                                                                 |
| <h2 style="margin: 0;">PHASE 1B JAIPUR METRO PROJECT</h2>                                                                                                                       |                                                                                                                                                             |                                                                                 |
| <h3 style="margin: 0;">STATION: CHOTI CHOUPAR</h3>                                                                                                                              |                                                                                                                                                             |                                                                                 |
| <h3 style="margin: 0;">DRAWING TITLE: FIRE FIGHTING - CONCOURSE LEVEL</h3>                                                                                                      |                                                                                                                                                             |                                                                                 |
| DRAWN BY :<br><div style="text-align: center; font-weight: bold;">RSR</div>                                                                                                     | CHECKED BY:<br><div style="text-align: center; font-weight: bold;">A.H</div>                                                                                | VERIFIED BY:<br><div style="text-align: center; font-weight: bold;">L.R.S</div> |
| DATE:<br><div style="text-align: center;">31-03-2015</div>                                                                                                                      | REV:<br><div style="text-align: center;">R0</div>                                                                                                           | GRAPHICAL SCALE:<br><div style="text-align: center;">1:150</div>                |
|                                                                                                                                                                                 |                                                                                                                                                             | STATUS:<br><div style="text-align: center; font-weight: bold;">FOR TENDER</div> |
| DRAWING NUMBER:<br><div style="text-align: center; font-weight: bold;">JP-TD-FF-10CC-1303</div>                                                                                 |                                                                                                                                                             |                                                                                 |
|                                                                                                                                                                                 | SHEET NO.<br><div style="text-align: center; font-weight: bold;">3 OF 3</div>                                                                               | SHEET SIZE<br><div style="text-align: center; font-weight: bold;">A1</div>      |
|                                                                                                                                                                                 |                                                                                                                                                             | ORDER N°<br><div style="text-align: center; font-weight: bold;">P36-0017</div>  |
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| LEGEND |        |                                          |
|--------|--------|------------------------------------------|
| S.NO.  | SYMBOL | DESCRIPTION                              |
| 1      |        | MOTORISED CONTROL VALVE                  |
| 2      |        | BUTTERFLY VALVE                          |
| 3      |        | FIRST AID HOSE REEL                      |
| 4      |        | SPRINKLER PIPE                           |
| 5      |        | HYDRANT PIPE                             |
| 6      |        | 2X2.5 SQ.M FS CABLE FOR PLUNGER          |
| 7      |        | 9.0 LTS WATER TYPE FIRE EXTINGUISHER     |
| 8      |        | 4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER  |
| 9      |        | 22.5 KG CARBON DIOXIDE FIRE EXTINGUISHER |
| 10     |        | PLUNGER                                  |
| 11     |        | FIRE HOSE CABINET                        |

| FIRE CUT OUT SCHEDULE |         |                  |
|-----------------------|---------|------------------|
| CUT OUT NUMBER        | SIZE    | CUT OUT POSITION |
| FF-01                 | 300X300 | FLOOR            |
| FF-02                 | 600X300 | FLOOR            |



| ROOM SCHEDULE |               |                               |                        |              |
|---------------|---------------|-------------------------------|------------------------|--------------|
| S.NO.         | ROOM SCHEDULE | ROOM NAME                     | DIMENSION (M.L.) (LxW) | AREA (Sq.m.) |
| 1             | U02           | PAID AREA                     |                        | 1362.05*     |
| 2             | U08           | FIRST AID SPACE               | 3.960 x 3.960          | 15.68        |
| 3             | U12           | CLEANER'S ROOM 1              | 4.000 x 7.715          | 30.86        |
| 4             | U13           | REFUSE STORE 1                | 3.960 x 3.960          | 15.68        |
| 5             | U18.3         | DB ROOM                       | 5.955 x 2.450          | 14.59        |
| 6             | U18.4         | DB ROOM                       | 5.655 x 2.450          | 13.85        |
| 7             | U25.1         | AUXILIARY SUB STATION(ASS)1   | 35.200 x 10.000        | 348.40*      |
| 8             | U25.2         | AUXILIARY SUB STATION(ASS)2   | 35.200 x 10.000        | 356.60*      |
| 9             | U27.1         | ELECTRICAL UPS ROOM 1         | 11.000 x 10.300        | 112.83*      |
| 10            | U27.2         | ELECTRICAL UPS ROOM 2         | 11.000 x 9.750         | 107.25       |
| 11            | U28           | GSM ROOM                      | 4.700 x 7.715          | 36.26        |
| 12            | U29           | CDMA ROOM                     | 4.000 x 7.715          | 30.86        |
| 13            | U31.1         | SEEPAGE ROOM 1                | 5.900 x 4.470          | 22.77*       |
| 14            | U31.2         | SEEPAGE ROOM 2                | 5.900 x 4.470          | 22.77*       |
| 15            | U32           | SEWAGE ROOM                   | 3.550 x 7.715          | 26.34*       |
| 16            | U57.1         | TUNNEL VENTILATION ROOM(TVS)1 | 14.800 x 9.140         | 133.67*      |
| 17            | U57.2         | TUNNEL VENTILATION ROOM(TVS)2 | 14.800 x 9.140         | 133.67*      |
| 18            | PSB           | PLATFORM SUPERVISOR BOOTH     | 2.550 x 2.650          | 6.76         |
| 19            | U62           | SPARE ROOM                    | 4.000 x 7.100          | 28.06*       |
| 20            | U63           | E & M STAFF ROOM              | 4.000 x 7.715          | 30.86        |
| 21            | U64           | E & M STORE ROOM              | 4.000 x 7.715          | 30.86        |
| 22            | U65           | L & E STAFF                   | 4.000 x 7.100          | 28.40        |
| 23            | U66           | L & E STAFF                   | 4.000 x 7.100          | 28.40        |
| 24            | U67           | TRACTION STAFF                | 4.000 x 7.100          | 28.40        |
| 25            | U68           | TRACTION STORE                | 4.150 x 7.100          | 29.47        |

| PLUMBING & FIRE FIGHTING SCHEDULE |                                |            |            |                  |
|-----------------------------------|--------------------------------|------------|------------|------------------|
| CUT OUT NUMBER                    | PURPOSE                        | SIZE (M)   | AREA(Sq.M) | CUT OUT POSITION |
| S4                                | PLUMBING & FIRE SHAFT & CUTOUT | 1.00X0.80  | 0.80       | FLOOR            |
| S4a                               | PLUMBING SHAFT & CUTOUT        | 1.225X1.30 | 1.59       | FLOOR            |
| S4b                               | PLUMBING SHAFT & CUTOUT        | 1.90X0.63  | 1.20       | FLOOR            |
| PL01                              | SUMP PUMP CUTOUT               | 0.60X0.75  | 0.36       | FLOOR            |
| PL02                              | SUMP ACCESS CUTOUT             | 0.60X0.60  | 0.45       | FLOOR            |
| FF-01                             | FIRE FIGHTING CUTOUT           | 0.30X0.30  | 0.09       | FLOOR            |
| FF-02                             | FIRE FIGHTING CUTOUT           | 0.60X0.30  | 0.18       | FLOOR            |

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |      |      |      |            |                       |                                                                                  |                |             |                                                                                                           |                                                                                                                                                                  |                                                                 |                               |                                                                                                                                                                                                       |                    |                                 |  |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|------|------|------|------------|-----------------------|----------------------------------------------------------------------------------|----------------|-------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------|--|
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|                                                                      | REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |      |      |      |      |            | DMRC APPROVAL         | MGR/ARCH                                                                         | DY CA (UG)-III | CA/ARCH     | Architecture<br>Design In-charge/ Coordinator                                                             | Structure<br>Design In-charge/ Coordinator                                                                                                                       | E&M<br>Design In-charge/ Coordinator                            | PHASE 1B JAIPUR METRO PROJECT |                                                                                                                                                                                                       |                    |                                 |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |      |      |      |            | DY CSTE/TELECOM       | CSTE-I                                                                           | DY CE/DESIGN   | CE/TECH     | STATION: CHOTI CHOUPAR                                                                                    |                                                                                                                                                                  |                                                                 |                               |                                                                                                                                                                                                       |                    |                                 |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |      |      |      |            | DY CSTE/AFC           |                                                                                  | ED/S&T         | CSO         | DRAWING TITLE: FIRE FIGHTING - PLATFORM LEVEL                                                             |                                                                                                                                                                  |                                                                 |                               |                                                                                                                                                                                                       |                    |                                 |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |      |      |      |            | DY CSTE/SIGNALLING    | CSTE-III                                                                         | GM/O           | GMM         | DRAWN BY : RSR                                                                                            |                                                                                                                                                                  |                                                                 |                               | CHECKED BY: A.H                                                                                                                                                                                       | VERIFIED BY: L.R.S | JP/EW/1B/DDC01<br>FIRE FIGHTING |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |      |      |      |            | DY CE/PLANNING        | DY CEE/E&M                                                                       | DY CEE/ECS     | ED/ELEC -II | DATE: 31-03-2015                                                                                          | REV: RO                                                                                                                                                          | GRAPHICAL SCALE: 1:150                                          | STATUS: FOR TENDER            |                                                                                                                                                                                                       |                    |                                 |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |      |      |      |            | DY CEE(E)/UG-TR       | CGM(E) UG-TR                                                                     | PM             | CPM         | DRAWING NUMBER: JP-TD-FF-10CC-1401                                                                        |                                                                                                                                                                  | SHEET NO. 1 OF 3                                                | SHEET SIZE A1                 | ORDER N° P36-0017                                                                                                                                                                                     |                    |                                 |  |
|                                                                      | REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PARTICULARS | DRN. | CHD. | VER. | DATE | ISSUE DATE | REV. FOR CONSTRUCTION | 56, Indo-Asia House, Institutional Area, sector-44<br>Gurgaon - 122002 (Haryana) |                |             |                                                                                                           | This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC. |                                                                 |                               |                                                                                                                                                                                                       |                    |                                 |  |

| PHASE 1B JAIPUR METRO PROJECT                                                                                                                                    |  |                  |           |              |          |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|-----------|--------------|----------|-------------------------------------|
| STATION: CHOTI CHOUPAR                                                                                                                                           |  |                  |           |              |          |                                     |
| DRAWING TITLE: FIRE FIGHTING - PLATFORM LEVEL                                                                                                                    |  |                  |           |              |          |                                     |
| DRAWN BY:                                                                                                                                                        |  | CHECKED BY:      |           | VERIFIED BY: |          | JP/VE/IB/DDC01<br><br>FIRE FIGHTING |
| RSR                                                                                                                                                              |  | A.H              |           | L.R.S        |          |                                     |
| DATE:                                                                                                                                                            |  | GRAPHICAL SCALE: |           | STATUS:      |          |                                     |
| 31-03-2015                                                                                                                                                       |  | 1:150            |           | FOR TENDER   |          |                                     |
| REV:                                                                                                                                                             |  |                  |           |              |          |                                     |
| R0                                                                                                                                                               |  |                  |           |              |          |                                     |
| DRAWING NUMBER:                                                                                                                                                  |  |                  | SHEET NO. | SHEET SIZE   | ORDER N° |                                     |
| JP-TD-FF-10CC-1401                                                                                                                                               |  |                  | 1 OF 3    | A1           | P36-0017 |                                     |
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| PHASE 1B JAIPUR METRO PROJECT                                                                                   |              |                  |               |
| STATION: CHOTI CHOUPAR                                                                                          |              |                  |               |
| DRAWING TITLE: FIRE FIGHTING - PLATFORM LEVEL                                                                   |              |                  |               |
| DRAWN BY :                                                                                                      | CHECKED BY : | VERIFIED BY :    |               |
| RSR                                                                                                             | A.H          | L.R.S            |               |
| DATE:                                                                                                           | REV:         | GRAPHICAL SCALE: | STATUS:       |
| 31-03-2015                                                                                                      | R0           | 1:150            | FOR TENDER    |
| DRAWING NUMBER:                                                                                                 |              | SHEET NO.        | SHEET SIZE    |
| JP-TD-FF-10CC-1402                                                                                              |              | 2 OF 3           | A1            |
|                                                                                                                 |              | ORDER N°         | JP/FF/1BDDC01 |
|                                                                                                                 |              |                  | FIRE FIGHTING |

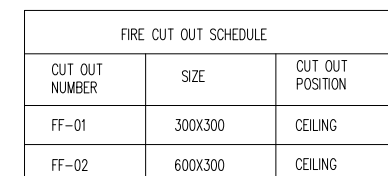


| FIRE CUT OUT SCHEDULE |         |                  |
|-----------------------|---------|------------------|
| CUT OUT NUMBER        | SIZE    | CUT OUT POSITION |
| FF-01                 | 300X300 | FLOOR            |
| FF-02                 | 600X300 | FLOOR            |



| ROOM SCHEDULE |               |                               |                          |                |
|---------------|---------------|-------------------------------|--------------------------|----------------|
| S.NO.         | ROOM SCHEDULE | ROOM NAME                     | DIMENSION (Mt.)<br>(LxW) | AREA<br>(Sqm.) |
| 1             | U02           | PAID AREA                     |                          | 1362.05*       |
| 2             | U08           | FIRST AID SPACE               | 3.960 x 3.960            | 15.68          |
| 3             | U12           | CLEANER'S ROOM 1              | 4.000 x 7.715            | 30.86          |
| 4             | U13           | REFUSE STORE 1                | 3.960 x 3.960            | 15.68          |
| 5             | U18.3         | DB ROOM                       | 5.955 x 2.450            | 14.59          |
| 6             | U18.4         | DB ROOM                       | 5.655 x 2.450            | 13.85          |
| 7             | U25.1         | AUXILIARY SUB STATION(ASS)1   | 35.200 x 10.000          | 348.40*        |
| 8             | U25.2         | AUXILIARY SUB STATION(ASS)2   | 35.200 x 10.000          | 356.60*        |
| 9             | U27.1         | ELECTRICAL UPS ROOM 1         | 11.000 x 10.300          | 112.83*        |
| 10            | U27.2         | ELECTRICAL UPS ROOM 2         | 11.000 x 9.750           | 107.25         |
| 11            | U28           | GSM ROOM                      | 4.700 x 7.715            | 36.26          |
| 12            | U29           | CDMA ROOM                     | 4.000 x 7.715            | 30.86          |
| 13            | U31.1         | SEEPAGE ROOM 1                | 5.900 x 4.470            | 22.77*         |
| 14            | U31.2         | SEEPAGE ROOM 2                | 5.900 x 4.470            | 22.77*         |
| 15            | U32           | SEWAGE ROOM                   | 3.550 x 7.715            | 26.34*         |
| 16            | U57.1         | TUNNEL VENTILATION ROOM(TVS)1 | 14.800 x 9.140           | 133.67*        |
| 17            | U57.2         | TUNNEL VENTILATION ROOM(TVS)2 | 14.800 x 9.140           | 133.67*        |
| 18            | PSB           | PLATFORM SUPERVISOR BOOTH     | 2.550 x 2.650            | 6.76           |
| 19            | U62           | SPARE ROOM                    | 4.000 x 7.100            | 28.06*         |
| 20            | U63           | E & M STAFF ROOM              | 4.000 x 7.715            | 30.86          |
| 21            | U64           | E & M STORE ROOM              | 4.000 x 7.715            | 30.86          |
| 22            | U65           | L & E STAFF                   | 4.000 x 7.100            | 28.40          |
| 23            | U66           | L & E STORE                   | 4.000 x 7.100            | 28.40          |
| 24            | U67           | TRACTION STAFF                | 4.000 x 7.100            | 28.40          |
| 25            | U68           | TRACTION STORE                | 4.150 x 7.100            | 29.47          |

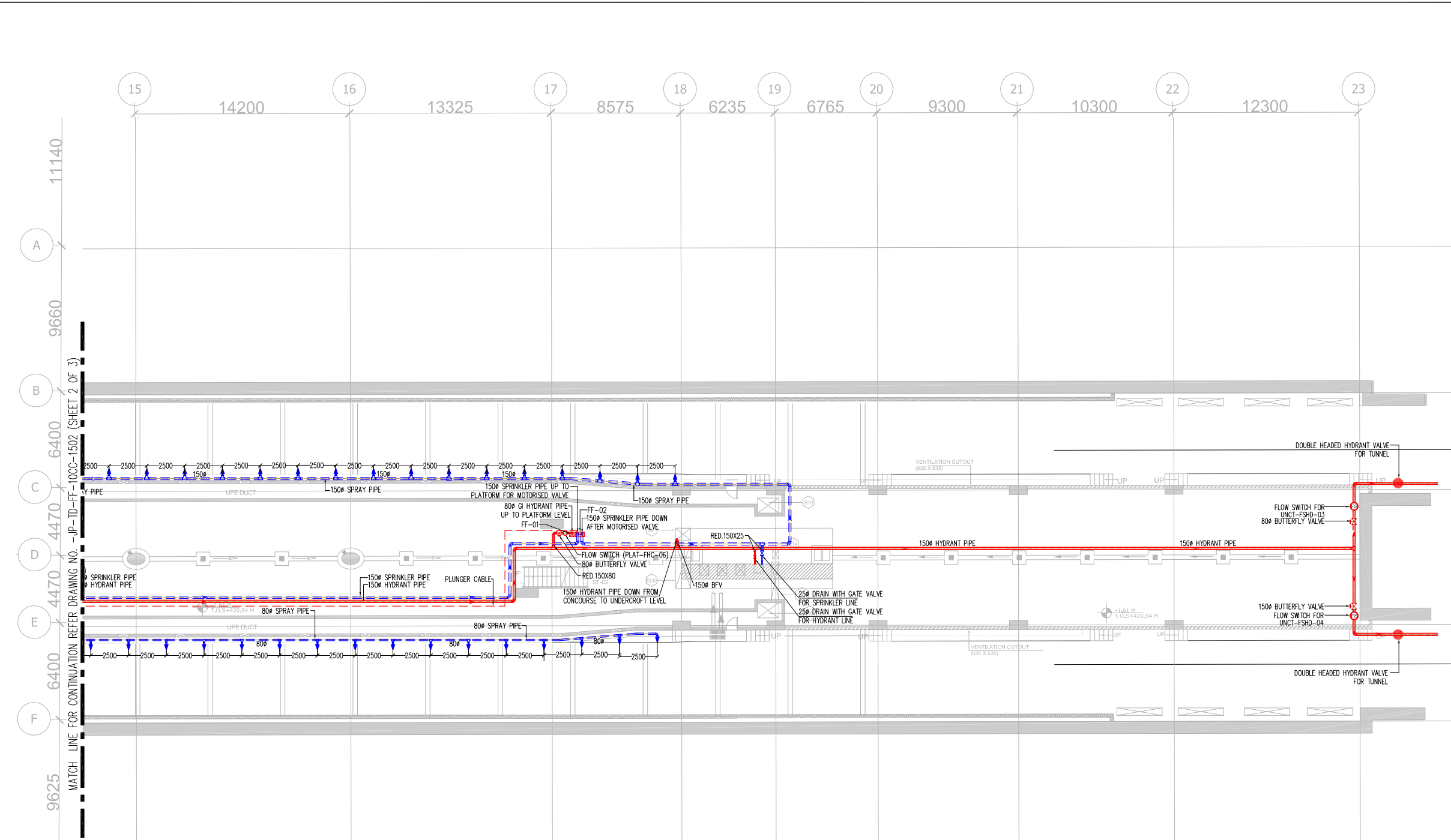
## FIRE FIGHTING



|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                              |                    |            |              |             |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
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|                                                                      | <b>REFERENCE DRAWINGS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | <div>REV</div> <div>PARTICULARS</div> <div>DRN.</div> <div>CHD.</div> <div>VER.</div> <div>DATE</div> <div>ISSUE DATE</div> <div>REV. FOR CONSTRUCTION</div> | DMRC APPROVAL      | MGR/ARCH   | DY CA (UG)II | CA/ARCH     | Architecture<br>Design In-charge/ Coordinator | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator | DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO<br><br> Engineering, Information, Imagination.<br><br>56, Indo-Asla House, Institutional Area, sector-44<br>Gurgaon - 122002 (Haryana) |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                              | DY CSTE/TELECOM    | CSTE-I     | DY CE/DESIGN | CE/TECH     |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                              | DY CSTE/AFC        |            | ED/S&T       | CSO         |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                              | DY CSTE/SIGNALLING | CSTE-III   | GM/O         | GM/M        |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                              | DY CE/PLANNING     | DY CEE/E&M | DY CEE/ECS   | ED/ELEC -II |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | DY CEE/(E)UG-TR                                                                                                                                              | CGM(E)UG-TR        | PM         | CPM          |             |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                           |  |                                                                 |  |                                                                                                                                                                                                      |  |
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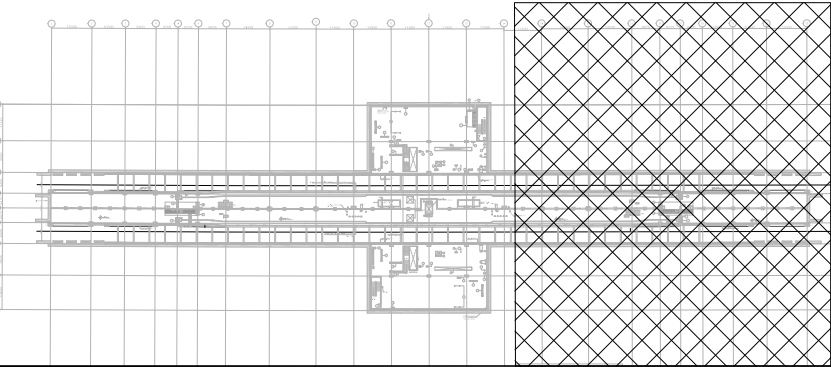




| LEGEND |        |                                 |
|--------|--------|---------------------------------|
| S.NO.  | SYMBOL | DESCRIPTION                     |
| 1      |        | SPRAY NOZZLE K-22               |
| 2      |        | DOUBLE HEADED HYDRANT VALVE     |
| 3      |        | FLOW SWITCH                     |
| 4      |        | MOTORISED CONTROL VALVE         |
| 5      |        | BUTTERFLY VALVE                 |
| 6      |        | FIRST AID HOSE REEL             |
| 7      |        | HYDRANT PIPE                    |
| 8      |        | SPRINKLER PIPE                  |
| 9      |        | 2X2.5 SQ.M FS CABLE FOR PLUNGER |

| FIRE CUT OUT SCHEDULE |         |                  |
|-----------------------|---------|------------------|
| CUT OUT NUMBER        | SIZE    | CUT OUT POSITION |
| FF-01                 | 300X300 | CEILING          |
| FF-02                 | 600X300 | CEILING          |

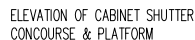
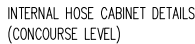
KEY PLAN



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| THIS DRAWING IS THE PROPERTY OF<br>DELHI METRO RAIL CORPORATION LTD. | <div>GENERAL NOTES:<br/>1. ALL DIMENSIONS ARE IN MILLIMETERS.<br/>2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.<br/>3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE.<br/>4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING &amp; FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.<br/>5. ALL DOOR/WINDOW CILL &amp; LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.</div> |  |  |  |  |  |  | REVISIONS |  |  |  |  |  |  | APPROVAL BY DMRC |  |  |  | Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.                                                                                                                                                                                                                                                                                                                                         |  |  |  | Authorised Signatory for DDC.<br>JP/EW/1B/DDC01 Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  | <div> <b>DELHI METRO RAIL CORPORATION LTD.</b><br/>Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001</div> |  |  |  |
|                                                                      | REFERENCE DRAWINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |           |  |  |  |  |  |  |                  |  |  |  | <div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION<br/>(CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS<br/>OF PHASE 1B OF JAIPUR METRO</div> <div> Engineering, Information, Imagination.</div> <div>56, Indo-Asia House, Institutional Area, sector-44<br/>Gurgaon - 122002 (Haryana)</div> |  |  |  | <div>PHASE 1B JAIPUR METRO PROJECT</div> <div>STATION: CHOTI CHOUPAR</div> <div>DRAWING TITLE: FIRE FIGHTING - PLATFORM LEVEL</div> <div><div><div>DRAWN BY : RSR</div><div>CHECKED BY: A.H</div><div>VERIFIED BY: L.R.S</div></div><div><div>DATE: 31-03-2015</div><div>REV: R0</div><div>GRAPHICAL SCALE: 1:150</div><div>STATUS: FOR TENDER</div></div><div><div>DRAWING NUMBER: JP-TD-FF-10CC-1503</div><div>SHEET NO. 3 OF 3</div><div>SHEET SIZE A1</div><div>ORDER N° P36-0017</div></div><div>JP/EW/1B/DDC01</div><div>FIRE FIGHTING</div></div> |  |  |  |                                                                                                                                                                                                                   |  |  |  |
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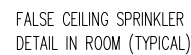
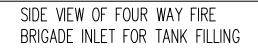
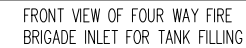
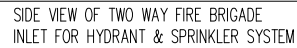
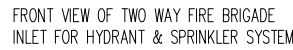
ELEVATION

### INTERNAL HOSE CABINET DETAILS (PLATFORM LEVEL)



SINGLE HEADED HYDRANT VALVE, 2 NOS.  
SYNTHETIC HOSE PIPE, FIRST AID HOSE  
REEL, BRANCH PIPE, PRESSURE GAUGE,  
FIREMAN'S AXE, 9 LTR WATER TYPE FIRE  
EXTINGUISHER & 4.5 KG CO2 TYPE FIRE  
EXTINGUISHER.

| THIS DRAWING IS THE PROPERTY OF<br>DELHI METRO RAIL CORPORATION LTD. | <div>GENERAL NOTES:</div> <div>1. ALL DIMENSIONS ARE IN MILLIMETERS.<br/>2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.<br/>3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE.<br/>4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING &amp; FIRE FIGHTING, ELECTRICAL, AND TRAFFIC MANAGEMENT DRAWINGS.<br/>5. ALL DOOR/WINDOW CILL &amp; LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.</div> |                                            |                                      |                  |              |       |            | <div>REVISIONS</div> <table><tr><th>REV</th><th>PARTICULARS</th><th>DRN.</th><th>CHD.</th><th>VER.</th><th>DATE</th><th>ISSUE DATE</th><th>REV. FOR CONSTRUCTION</th></tr></table> |  |  |  |  |  |  | REV | PARTICULARS | DRN. | CHD. | VER. | DATE | ISSUE DATE | REV. FOR CONSTRUCTION | <div>APPROVAL BY DMRC</div> <table><tr><td>DMRC APPROVAL</td><td>MGR/ARCH</td><td>DY CA (UG)-II</td><td>CA/ARCH</td></tr><tr><td>DY CSTE/TELECOM</td><td rowspan="2">CSTE-I</td><td>DY CE/DESIGN</td><td>CE/TECH</td></tr><tr><td>DY CSTE/AFC</td><td>ED/S&amp;T</td><td>CSO</td></tr><tr><td>DY CSTE/SIGNALLING</td><td>CSTE-III</td><td>GM/O</td><td>GMM</td></tr><tr><td>DY CE/PLANNING</td><td>DY CEE/E&amp;M</td><td>DY CEE/ECS</td><td>ED/ELEC-II</td></tr><tr><td>DY CEE/(E)UG-TR</td><td>CGM(E) UG-TR</td><td>PM</td><td>CPM</td></tr></table> |  |  |  | DMRC APPROVAL | MGR/ARCH | DY CA (UG)-II | CA/ARCH | DY CSTE/TELECOM | CSTE-I | DY CE/DESIGN | CE/TECH | DY CSTE/AFC | ED/S&T | CSO | DY CSTE/SIGNALLING | CSTE-III | GM/O | GMM | DY CE/PLANNING | DY CEE/E&M | DY CEE/ECS | ED/ELEC-II | DY CEE/(E)UG-TR | CGM(E) UG-TR | PM | CPM | <div>Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.</div> <div>Authorised Signatory for DDC.<br/>JP/EW/1B/DDC01 Project Manager</div> <table><tr><td>Architecture<br/>Design In-charge/ Coordinator</td><td>Structure<br/>Design In-charge/ Coordinator</td><td>E&amp;M<br/>Design In-charge/ Coordinator</td></tr></table> |  |  | Architecture<br>Design In-charge/ Coordinator | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator | <div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</div> <div><div>ayesa</div><div>Engineering,<br/>Information,<br/>Imagination.</div></div> <div>56, Indo-Asia House, Institutional Area, sector-44<br/>Gurgaon - 122002 (Haryana)</div> |  |  |  |  |  | <div><div><div><div></div><div>DELHI METRO RAIL CORPORATION LTD.</div><div>Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001</div></div><div>PHASE 1B JAIPUR METRO PROJECT</div><div>STATION: CHOTI CHOUPAR</div><div>DRAWING TITLE: TYPICAL DETAIL OF FIRE HOSE CABINET</div><table><tr><td>DRAWN BY :</td><td>RSR</td><td>CHECKED BY:</td><td>A.H</td><td>VERIFIED BY:</td><td>L.R.S</td></tr><tr><td>DATE:</td><td>31-03-2015</td><td>REV:</td><td>R0</td><td>GRAPHICAL SCALE:</td><td>N.T.S.</td></tr><tr><td colspan="4"></td><td>STATUS:</td><td>FOR TENDER</td></tr><tr><td colspan="2">DRAWING NUMBER:</td><td>SHEET NO.</td><td>SHEET SIZE</td><td>ORDER N°</td><td></td></tr><tr><td colspan="2">JP-TD-FF-10CC-1701</td><td>1 OF 2</td><td>A1</td><td>P36-0017</td><td></td></tr></table><div>This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.</div></div></div> |  |  |  | DRAWN BY : | RSR | CHECKED BY: | A.H | VERIFIED BY: | L.R.S | DATE: | 31-03-2015 | REV: | R0 | GRAPHICAL SCALE: | N.T.S. |  |  |  |  | STATUS: | FOR TENDER | DRAWING NUMBER: |  | SHEET NO. | SHEET SIZE | ORDER N° |  | JP-TD-FF-10CC-1701 |  | 1 OF 2 | A1 | P36-0017 |  |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|------------------|--------------|-------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-----|-------------|------|------|------|------|------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------|----------|---------------|---------|-----------------|--------|--------------|---------|-------------|--------|-----|--------------------|----------|------|-----|----------------|------------|------------|------------|-----------------|--------------|----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------|--------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------|-----|-------------|-----|--------------|-------|-------|------------|------|----|------------------|--------|--|--|--|--|---------|------------|-----------------|--|-----------|------------|----------|--|--------------------|--|--------|----|----------|--|
|                                                                      | REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PARTICULARS                                | DRN.                                 | CHD.             | VER.         | DATE  | ISSUE DATE | REV. FOR CONSTRUCTION                                                                                                                                                              |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DMRC APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MGR/ARCH                                   | DY CA (UG)-II                        | CA/ARCH          |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DY CSTE/TELECOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CSTE-I                                     | DY CE/DESIGN                         | CE/TECH          |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DY CSTE/AFC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            | ED/S&T                               | CSO              |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DY CSTE/SIGNALLING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CSTE-III                                   | GM/O                                 | GMM              |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DY CE/PLANNING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DY CEE/E&M                                 | DY CEE/ECS                           | ED/ELEC-II       |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DY CEE/(E)UG-TR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CGM(E) UG-TR                               | PM                                   | CPM              |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | Architecture<br>Design In-charge/ Coordinator                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator |                  |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      | DRAWN BY :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RSR                                        | CHECKED BY:                          | A.H              | VERIFIED BY: | L.R.S |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
| DATE:                                                                | 31-03-2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | REV:                                       | R0                                   | GRAPHICAL SCALE: | N.T.S.       |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                                      | STATUS:          | FOR TENDER   |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
| DRAWING NUMBER:                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SHEET NO.                                  | SHEET SIZE                           | ORDER N°         |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |
| JP-TD-FF-10CC-1701                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 OF 2                                     | A1                                   | P36-0017         |              |       |            |                                                                                                                                                                                    |  |  |  |  |  |  |     |             |      |      |      |      |            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |               |          |               |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |            |     |             |     |              |       |       |            |      |    |                  |        |  |  |  |  |         |            |                 |  |           |            |          |  |                    |  |        |    |          |  |



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| THIS DRAWING IS THE PROPERTY OF<br>DELHI METRO RAIL CORPORATION LTD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div>GENERAL NOTES:</div> <div>1. ALL DIMENSIONS ARE IN MILLIMETERS.</div> <div>2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.</div> <div>3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE.</div> <div>4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING &amp; FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.</div> <div>5. ALL DOOR/WINDOW CILL &amp; LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.</div> |                                            |                                      |                       |                |      |            | <div>REVISIONS</div> <table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>REV</td><td>PARTICULARS</td><td>DRN.</td><td>CHD.</td><td>VER.</td><td>DATE</td><td>ISSUE DATE</td><td>REV. FOR CONSTRUCTION</td></tr></table> |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            | REV                        | PARTICULARS | DRN.                  | CHD. | VER.                                  | DATE | ISSUE DATE          | REV. FOR CONSTRUCTION | <div>APPROVAL BY DMRC</div> <table><tr><td>DMRC APPROVAL</td><td>MGR/ARCH</td><td>DY CA (UG)-III</td><td>CA/ARCH</td></tr><tr><td>DY CSTE/TELECOM</td><td rowspan="2">CSTE-I</td><td>DY CE/DESIGN</td><td>CE/TECH</td></tr><tr><td>DY CSTE/AFC</td><td>ED/S&amp;T</td><td>CSO</td></tr><tr><td>DY CSTE/SIGNALLING</td><td>CSTE-III</td><td>GM/O</td><td>GMM</td></tr><tr><td>DY CE/PLANNING</td><td>DY CEE/E&amp;M</td><td>DY CEE/ECS</td><td>ED/ELEC-II</td></tr><tr><td>DY CEE/(E)UG-TR</td><td>CGM(E) UG-TR</td><td>PM</td><td>CPM</td></tr></table> |                |               |  | DMRC APPROVAL | MGR/ARCH | DY CA (UG)-III | CA/ARCH | DY CSTE/TELECOM | CSTE-I | DY CE/DESIGN | CE/TECH | DY CSTE/AFC | ED/S&T | CSO | DY CSTE/SIGNALLING | CSTE-III | GM/O | GMM | DY CE/PLANNING | DY CEE/E&M | DY CEE/ECS | ED/ELEC-II | DY CEE/(E)UG-TR | CGM(E) UG-TR | PM | CPM | <div>Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.</div> <div>Authorised Signatory for DDC.<br/>JP/EW/1B/DDC01 Project Manager</div> <table><tr><td>Architecture<br/>Design In-charge/ Coordinator</td><td>Structure<br/>Design In-charge/ Coordinator</td><td>E&amp;M<br/>Design In-charge/ Coordinator</td></tr></table> |  |  |  | Architecture<br>Design In-charge/ Coordinator | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator | <div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR &amp; BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</div> <div><div>ayesa</div><div>Engineering.<br/>Information.<br/>Imagination.</div></div> <div>56, Indo-Asia House, Institutional Area, sector-44<br/>Gurgaon - 122002 (Haryana)</div> |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                      |                       |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PARTICULARS                                | DRN.                                 | CHD.                  | VER.           | DATE | ISSUE DATE | REV. FOR CONSTRUCTION                                                                                                                                                                                                                                               |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DMRC APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MGR/ARCH                                   | DY CA (UG)-III                       | CA/ARCH               |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DY CSTE/TELECOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CSTE-I                                     | DY CE/DESIGN                         | CE/TECH               |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DY CSTE/AFC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            | ED/S&T                               | CSO                   |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DY CSTE/SIGNALLING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CSTE-III                                   | GM/O                                 | GMM                   |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DY CE/PLANNING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DY CEE/E&M                                 | DY CEE/ECS                           | ED/ELEC-II            |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DY CEE/(E)UG-TR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CGM(E) UG-TR                               | PM                                   | CPM                   |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Architecture<br>Design In-charge/ Coordinator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Structure<br>Design In-charge/ Coordinator | E&M<br>Design In-charge/ Coordinator |                       |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| <div><div><div>DELHI METRO RAIL CORPORATION LTD.</div><div>Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001</div></div><div>PHASE 1B JAIPUR METRO PROJECT</div><div>STATION: CHOTI CHOUPAR</div><div>DRAWING TITLE: MISCELLANEOUS DETAILS</div><table><tr><td colspan="2">DRAWN BY:<br/>RSR</td><td colspan="2">CHECKED BY:<br/>A.H</td><td colspan="2">VERIFIED BY:<br/>L.R.S</td></tr><tr><td>DATE:<br/>31-03-2015</td><td>REV:<br/>R0</td><td colspan="2">GRAPHICAL SCALE:<br/>N.T.S.</td><td colspan="2">STATUS:<br/>FOR TENDER</td></tr><tr><td colspan="2">DRAWING NUMBER:<br/>JP-TD-FF-10CC-1702</td><td>SHEET NO.<br/>2 OF 2</td><td>SHEET SIZE<br/>A1</td><td>ORDER N°<br/>P36-0017</td><td>JPIEW/1B/DDC01</td></tr></table><div>This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.</div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                      |                       |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  | DRAWN BY:<br>RSR |  | CHECKED BY:<br>A.H |  | VERIFIED BY:<br>L.R.S |  | DATE:<br>31-03-2015 | REV:<br>R0 | GRAPHICAL SCALE:<br>N.T.S. |             | STATUS:<br>FOR TENDER |      | DRAWING NUMBER:<br>JP-TD-FF-10CC-1702 |      | SHEET NO.<br>2 OF 2 | SHEET SIZE<br>A1      | ORDER N°<br>P36-0017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | JPIEW/1B/DDC01 | FIRE FIGHTING |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| DRAWN BY:<br>RSR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CHECKED BY:<br>A.H                         |                                      | VERIFIED BY:<br>L.R.S |                |      |            |                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |                  |  |                    |  |                       |  |                     |            |                            |             |                       |      |                                       |      |                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |               |  |               |          |                |         |                 |        |              |         |             |        |     |                    |          |      |     |                |            |            |            |                 |              |    |     |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                                               |                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
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