

No. F.6/DFS/MS/Assembly/(UG)/SZ/2018/

Dated: 28/6/18

## FIRE SAFETY CERTIFICATE

Certified that the **South Extension Underground Metro Station of Line-7**, comprising of Four levels (Undercroft, Platform, Concourse & Ground Level) was inspected by the officer concerned of this department on 26/06/2018 in the presence of Mr. Mr. Rajeev Saxena [Dy. CE (E&M)] and found that the said Metro Station building have deemed complied with the fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service Rules, 2010 and that the premise (excluding Property Development area) is fit for occupancy class "Group D-7 Assembly building" with effect from 18-16-1-2018 for a period of three years in accordance with rule 36 unless renewed under rule 37 or sooner cancelled under Rule 40 and subject to compliance of the conditions under rule-38 of the Delhi Fire Service Rules, 2010.

29 6 (Vipin Kental) Chief Fire Officer Tel: 011-23412225

Copy to:-

- 1. The Sh. A. K. Singh, Executive Director/Electrical, Near Malviya Nagar Metro Station, Press Enclave Road, New Delhi-110017
- 2. Director Works, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

## Conditions for the validity of fire safety certificate:

- 1. All the means of escape/entry/exit shall be kept free from any obstruction.
- 2. All the fire safety arrangements provided therein shall be maintained in good working condition at all time as seen during inspection. Any loss of life or property due to non-functional fire safety measures shall be at the responsibility of the management.
- 3. All the staff members must know the correct method of operation of firefighting system.
- 4. The owner/ occupier shall submit a declaration **every year** in **Form 'K'** provided in the first schedule of Delhi Fire Service Rules 2010. The form is available on <a href="http://delhi.gov.in/wps/wcm/connect/doit\_fire/FIRE/Home/Forms">http://delhi.gov.in/wps/wcm/connect/doit\_fire/FIRE/Home/Forms</a>
- 5. This fire safety certificate may not in any way be treated as regularization (Clause 2.8 of UBBL-2016) of unauthorized construction or Alteration (Clause 1.4.3 of UBBL-2016), if any.
- 6. "The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in **Form** 'J' [sub rule (1) of rule 37] along with a copy of this Certificate, **six months** prior to its expiry."
- 7. The Property Development area shall not be occupied by DMRC prior to its clearance by this department.

ground Metro Station of Line-7 INSPECTION REPORT Name & address of the building : South Extension Underground Metro Station of Line-7 2. Type of Occupancy : Assembly- Group-"D" 3. Type of Case : New 4. Details of Previous NOC : NA 5. Fire Safety directives letter No : F6/DFS/MS/2013/Metro/1604 dated 14/06/2013 6. Date of inspection : 26/06/2018 7. Name of Inspecting Officer : A. K. Malik 8. Name and designation of officer from the building side : Mr. Rajeev Saxena [Dy. CE (E&M)] 9. Year of Construction : 2018  $[Undercroft + Platform + Concourse + Ground\ Floor] \\$ Applicant's letter No. 10. : Form 'I' & outdoor diary no. 8995 dated 20/06/2018 S. No. Minimum Standards on fire prevention **NFPA** and fire safety U/R 33 Provided at site Remarks Requirement 1. Access to building MR/NMR Road width Required 12m Gate width MR NA Width of internal road NA NA Approachable 2. Number, Width, Type & Arrangement of Exits Abut on Road MR a. Number of staircases Upper Floors -NA--NA--NA-Undercroft MR Platform- 2 Nos (50% 2. Platform to Basements capacity of Concourse-5 Nos + 2 Provided Escalators is Escalator counted for Concourse evacuation in Ground-5 Nos + 5 b. Width of staircases Escalator NFPA) Upper Floor -NA--NA--NA-1. 1.2m & 1.2m MR 2. 3.68m, 3.65m, (Based on 1.12m & 0.91m 1.25m, 1.25m & evacuation (maintenance Basements  $1m + 1m \times 2$ calculation staircase) Nos submitted by DMRC as per 3. 3.6m, 3.6m, NFPA) 3.6m, 3.3m &  $1m + 1m \times 5$ c. Protection of exits Nos Fire check door Required Provided MR Required in Fireman Pressurization Staircase & Provided. Emergency Staircase MR d. No. of continuous staircases to terrace -NA--NA--NAe. Width of Corridor 0.91m1m MR 0.91mf. Door Size 1m MR 3. Compartmentation Fire check door Required Sealing of electrical shafts Provided MR Required Fire Rating of shaft door Provided MR 30minute & 3 Hours Water Curtain Provided MR -NA-Fire Dampers -NA--NA-Required 4. Smoke Management System Provided MR

| 5. Fire Extinguishers  • Total numbers on each floor  • Nozzie claimeter • Total number of Main Panel • Location of Main Panel • Alternate source of power • Location of Repeater Panel • Alternate source of power • Automatic Sprinkler System  8. MOEFA  9. Public Address System • Basement • Basement • Basement • Ground & Above Floor • Sprinkler above false ceiling • Na. • Size of riser/down-comer • Size of riser/down-comer • Size of riser/down-comer • Hose Box • Hose Box • Hose Box • Hose Box • Total number of hydrants • Total  |     | • Upper floors                               | oncergiouna Metro Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | of Line-7         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
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| • Total numbers • 1 Sparking • Total numbers • 1 Sparking • Total numbers • 1 Sparking • Total numbers on each floor • Length of hose rech hose • Nozzie diameter • Nozie | 5.  |                                              | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -NA-              | NIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |
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| Signature  First-Aid Hose Reels  Total numbers on each floor  Total numbers on each floor  Length of hose reel hose Nozzle diameter  Nozzle diameter  Total numbers on each floor  Total numbers on each floor  Nozzle diameter  Nozzle diameter  Nozzle diameter  Nozzle diameter  Total numbers on each floor  Total numbers on each floor  Nozzle diameter  Nozzle diam  |     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | MD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
| 6. First-Aid Hose Reels  • Total numbers on each floor  • Total numbers on each floor  • Length of hose red hose  • Logation of Man Same and Haltering and Haltering Provided MR  7. Automatic fire detection and alarming system  • Type of detectors  • Location of Main Panel  • Location of Repeater Panel  • Alternate source of power  • Hooters' Location  • MOEFA  8. MOEFA  9. Public Address System  8. MOEFA  9. Public Address System  • Basement  • Basement  • Giround & Above Floor  • Sprinkler System  • Basement  10. Internal Hydrauts  • Size of riser/down-comer  • Number of hydrants per floor  • Number of hydrants per floor  12. Vard Hydrants  • Total number of hydrants  • Total number of hydrants  • Ilose Box  13. Pumping Arrangements  • Ground Level  • Discharge of main pump  • Head of Main pump  • Head of Main pump  • Number of main pump  • Head of Main pump  • Standby Pump out put  • Standby Pump Head  • Auto Starting Manual Stopping  • Required  • Provided  • MR  • Provided   |     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CO2 27/06/65      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| Total numbers on each floor building. I No. in SR.T provided MR p  | 6.  |                                              | ISI marked                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
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| Length of hose reel hose   Nozzie diameter   Safon   Provided   MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| I Length of hose reel hose Nozzle diameter Nozzle diameter Nozzle diameter  Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location Required Hooters' Location Required Provided MR Provided   |     | numbers on each floor                        | building, 1 No. ir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Provided          | MD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
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| **Nozzie diameter 6mm Provided MR  Automatic fire detection and alarming system  **Type of detectors   Smoke Heat   - Location of Main Panel   - Location of Main Panel   - Location of Repeater Panel   - Alternate source of power   - Hooters' Location   - Mark   - Hooters' Location   - More   - Hooters' Location   - More   - Hooters' Location   - Hoot | -   | <ul> <li>Length of hose reel hose</li> </ul> | at each Platform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8 Nos             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| 7. Automatic fire detection and alarming system  • Type of detectors • Location of Main Panel • Location of Repeter Panel • Alternate source of power • Hooters' Location  8. MOEFA  9. Public Address System • Basement • Basement • Ground & Above Floor • Sprinkler above false ceiling  10. Automatic Sprinkler System  • Bise of riser/down-comer  11. Internal Hydrants • Size of riser/down-comer • Number of hydrants per floor • Hose Box  12. Yard Hydrants • Total number of main pump  • Head of Main pump  • Head of Main pump  • Standby Pump out put  • Standby Pump Head  • Auto Starting/Ananual Stopping  • Penvided  • Provided  • MR  • Provided  |     | <ul> <li>Nozzle diameter</li> </ul>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Provided          | MD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
| Type of detectors  I Location of Main Panel Location of Repeater Panel Location of Repeater Panel Alternate source of power Hooters' Location  Required Required Alternate source of power Hooters' Location  Required Required Required Required Required Required Required Required Required Provided MR Provided MR Required Required Provided MR Required Provided MR Required Required Required Required Provided MR Required Provided MR Required Required Required Required Required Required Required Required Provided MR Required Required MR Required Required Required MR Required Required Required Required MR Required Provided MR Required Required Required Required MR Required Required Required MR Required Required Required MR Provided MR Required Required MR Provided MR Required Required MR Provided MR Required R | 7.  | Automotic C                                  |                                                                                                                                   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| Location of Main Panel     Location of Repeater Panel     Alternate source of power     Hooters' Location     MOFFA     MOOFFA     Required     Automatic Sprinkler System     Basement     Basemen      |     | Automatic fire detection and alarming system |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| Location of Repeater Panel  Location of Repeater Panel  Alternate source of power Hooters' Location  8. MOEFA Required Hooters' Location  Required Hooters' Location  Required Hooters' Location  Required Hooters' Location  Required Provided MR Provided MR Required Provided MR Provided MR Required Infollowing rooms: mess, store, security, locker Sprinkler System  Required in following rooms: mess, store, security, locker NA-NA-NA-NA-NA-NA-NA-NA-NA-NA-NA-NA-NA-N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Alternate source of power Hooters' Location  All Area Hooters' Hooters' Location  Required All Area Provided MR Provided MR Provided MR Provided MR Provided MR Provided MR Required Provided MR Required Provided MR Provided MR Required Provided MR Provided MR Provided MR Required Provided MR Provided MR Required Provided MR Provided MR Required Provided MR Provided |     | Location of Main Panel                       | Station Control Ro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TTOVICCU          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| Hooters' Location     All Area Provided MR Required Provided MR Required Provided MR Required Provided MR Provided MR Required Provided MR  Provided MR Required Provided MR  Required Provided MR  Provided MR  Required Provided MR  Provided MR  Provided MR  MR  Provided MR                                                                                                                                                                                                   |     | Location of Repeater Panel                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| 8. MOEFA 9. Public Address System 10. Automatic Sprinkler System  Basement   |     | Hooters' Land:                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| 9. Public Address System Required Provided MR 10. Automatic Sprinkler System  Basement  Basewirity  Brovided  Basement  Basement  Basement  Basewirity  Brovided  Basement  Base | 8.  |                                              | All Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| 10. Automatic Sprinkler System  Basement  Basentanentan  Basement  Basentanentan  Basement  Basement  Basement  Basement  Basement  Base |     |                                              | Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| Basement  Baseme | 10. | Automatic Services                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| following rooms: mess, store, security, locker of Ground & Above Floor Sprinkler above false ceiling Internal Hydrants  Size of riser/down-comer  Number of hydrants per floor  Hose Box  Hose Box  Total number of hydrants  Total number of hydrants  Total number of hydrants  Hose Box  Total number of hydrants  Total number of hydrants  Hose Box  Total number of hydrants  Total numb |     | Automatic Sprinkler System                   | Automatic Sprinkler System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| following rooms: mess, store, security, locker of Ground & Above Floor Sprinkler above false ceiling Internal Hydrants  Size of riser/down-comer  Number of hydrants per floor  Hose Box  Hose Box  Total number of hydrants  Total number of hydrants  Total number of hydrants  Hose Box  Total number of hydrants  Total number of hydrants  Hose Box  Total number of hydrants  Total numb |     | • Possessi                                   | Required in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| MR  Ground & Above Floor Sprinkler above false ceiling  Internal Hydrants  Size of riser/down-comer  Number of hydrants per floor  Hose Box  Hose Box  Total number of hydrants  Total number of hydrant each tunnel portal  Sam for Hydrant & Provided MR  Tom for Sprinkler  Two  Provided MR  Towo  Two  Provided MR  Town  Two  Two  Provided MR  Town  Two  Two  Provided MR  Town  Two  Two  Two  Two  Two  Two  Tw                                                                                                                                                                                                                                                                                                                                                                                                                                            |     | basement                                     |                                                                                                            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| • Ground & Above Floor • Sprinkler above false ceiling  11. Internal Hydrants  • Size of riser/down-comer    Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size of riser/down-comer   Size 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                                        | mess, store, securi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Sprinkler above false ceiling  -NANANANANANANAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Size of riser/down-comer     Size of riser/down-comer     Size of riser/down-comer     Size of riser/down-comer     Number of hydrants per floor     Hose Box     Size of riser/down-comer     Number of hydrants per floor     Number of hydrants per floor     Number of hydrants     Total number of hydrants     Number of hydrants     Number of hydrants     Number of hydrants     Number of main pump     Head of Main pump     Head of Main pump     Number of main pumps     Jockey pump out put     Standby Pump out put     Standby Pump out put     Standby Pump Head     Auto Starting/Manual Stopping     Required     Required     Required     Number of prinkler     Sequenced     Required     Required     Provided     MR                                                                                                                                                                                                                                                          |     | • Sprinkler above folco aciti                | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Size of riser/down-comer  Size of riser/down-comer  Number of hydrants per floor  Number of hydrants per floor  Hose Box  Total number of hydrants  Total number of hydrant & Provided MR  Total number of hydrant &  | 11. | Internal Hydrants                            | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| Number of hydrants per floor     Number of hydrant per floor     Number of hydrant pump per provided per floor     Number of main pumps per floor     Number of hydrant per floor         |     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |
| Number of hydrants per floor  Number of hydrant per floor  Number of main pump per povided per floor  Number of hydrant per floor  Number of      |     | Size of fiser/down-comer                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Provided          | MD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
| Number of hydrants per floor  Hose Box  Hose Box  It is a cach Platform  It is a cach Platf |     | 100                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | arv               | IVIK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |
| Concourse & 8 Nos at each Platform  Nos in ancillary building, 1 No. in S&T room corridor, 12 Nos at Concourse & 8 Nos at each Platform  Total number of hydrants  Nos in ancillary building, 1 No. in S&T room corridor, 12 Nos at Concourse & 8 Nos at each Platform  Total number of hydrants  Nos in ancillary building, 1 No. in S&T room corridor, 12 Nos at Concourse & 8 Nos at Concourse & |     | Number of hydrants per flags                 | room corridor 12 No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Provided          | MD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
| Hose Box  Hose Box  Hose Box  Provided  MR  Provided  MR  Provided  MR  Provided  MR  In Nos at ancillary building 1 No. in S&T room corridor, 12 Nos at Concourse & 8 Nos at each Platform  Total number of hydrants  In Nos at ancillary building & 1 Nos at ancillary building & 1 Nos at each tunnel portal  Provided  MR  Provided  Provided  Provided  Provided  Provided  MR  Provided  MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| building, 1 No. in S&T room corridor, 12 Nos at Concourse & 8 Nos at each Platform  • Total number of hydrants  • Total number of hydrants  • Hose Box  1 Nos  1 Nos  1 Nos at ancillary building & 1 Nos at each tunnel portal  • Ground Level  • Discharge of main Pump  • Head of Main pump  Number of main pumps  Jockey Pump out put  Jockey pump head  Standby Pump up to the standby Pump Head  Auto Starting/Manual Stopping  building, 1 No. in S&T room corridor, 12 Nos at each Platform  1 Nos  Provided  MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Concourse & 8 Nos at each Platform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| 12. Yard Hydrants  • Total number of hydrants  • Hose Box  1 Nos at ancillary building & 1 Nos at each tunnel portal  13. Pumping Arrangements  • Ground Level  > Discharge of main Pump  > Head of Main pump  > Number of main pumps  > Jockey Pump out put  > Jockey pump head  > Standby Pump out put  > Standby Pump out put  > Standby Pump Head  Auto Starting/Manual Stopping  • Total number of hydrants  1 Nos Provided  MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  2 x 189 LPM  Provided MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Total number of hydrants     Hose Box     Hose Box     I Nos at ancillary building & 1 Nos at each tunnel portal  Pumping Arrangements      Ground Level     Discharge of main Pump     Head of Main pump     Head of Main pump     Number of main pumps     Jockey Pump out put     Jockey pump head     Standby Pump Out put     Standby Pump Head     Auto Starting/Manual Stopping     Required     Provided     MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR  Provided MR                                                                                                                                                                                             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| Hose Box  I Nos at ancillary building & 1 Nos at each tunnel portal  OGround Level  Discharge of main Pump Head of Main pump  Number of main pumps Jockey Pump out put Jockey pump head  Standby Pump Head Auto Starting/Manual Stopping  I Nos at ancillary building & 1 Nos at each tunnel portal  Provided  MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| • Hose Box  Pumping Arrangements  • Ground Level  Discharge of main Pump  Head of Main pump  Number of main pumps  Jockey Pump out put  Jockey pump head  Standby Pump Head  Auto Starting/Manual Stopping  Provided  MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     | number of hydrants                           | The same of the sa | Provided          | MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
| 13. Pumping Arrangements  • Ground Level  Discharge of main Pump  Head of Main pump  Number of main pumps  Jockey Pump out put  Jockey pump head  Standby Pump Head  Auto Starting/Manual Stopping  Pump Head  Provided  MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Ground Level  Discharge of main Pump  Head of Main pump  Number of main pumps  Jockey Pump out put  Jockey pump head  Standby Pump Out put  Standby Pump Head  Auto Starting/Manual Stopping  Pump Head  Ground Level  2839 LPM  Provided  MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Discharge of main Pump Head of Main pump  Number of main pumps Jockey Pump out put Jockey pump head  Standby Pump out put Standby Pump Head Auto Starting/Manual Stopping  Pump Head  Provided MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Head of Main pump  88m for Hydrant & Provided MR  75m for Sprinkler  Two Provided MR  75m for Sprinkler  Two Provided MR  2 x 189 LPM Provided MR  88m for Hydrant & Provided MR  2 x 189 LPM Provided MR  88m for Hydrant & Provided MR  88m for Hydrant & Provided MR  88m for Hydrant & Provided MR  75m for Sprinkler  2 x 2839 LPM(electric) Provided MR  88m for Hydrant & Provided MR  88m for Sprinkler  Required Provided MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Head of Main pump  88m for Hydrant & Provided MR  75m for Sprinkler  Two Provided MR  75m for Sprinkler  Two Provided MR  2 x 189 LPM Provided MR  88m for Hydrant & Provided MR  2 x 189 LPM Provided MR  88m for Hydrant & Provided MR  88m for Hydrant & Provided MR  88m for Hydrant & Provided MR  75m for Sprinkler  2 x 2839 LPM(electric) Provided MR  88m for Hydrant & Provided MR  88m for Sprinkler  Required Provided MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Number of main pumps  Jockey Pump out put  Jockey pump head  Standby Pump out put  Standby Pump Head  Auto Starting/Manual Stopping  75m for Sprinkler  Two Provided MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     | Head of Main pump                            | The state of the s |                   | MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
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| Specia                                                          | Fire Protection System for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Protec                                                          | ction of special Risks, if any:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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|                                                                 | Exit S Provi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <ul> <li>➢ Discharge of pump</li> <li>➢ Head of the pump</li> <li>➢ Power Supply</li> <li>➢ Auto Starting of pump</li> <li>Captive Water Storage for fire fighting</li> <li>● Underground tank capacity</li> <li>➢ Draw-off connection</li> <li>➢ Fire service inlet</li> <li>➢ Access to tank</li> <li>● Overhead Tank capacity</li> <li>Exit Signage.</li> <li>Provision of Lifts.</li> <li>● Pressurization of Lift Shaft</li> <li>● Pressurization of Lift lobby</li> <li>● Communication In lift Car</li> <li>● Fireman's Grounding Switch</li> <li>● Lift Signage</li> <li>Standby power supply</li> <li>Refuge Area.</li> <li>➢ Total Area</li> <li>➢ Location</li> <li>Fire Control Room</li> <li>● Detector System Panel</li> <li>● Flow Switch Panel</li> <li>● PA System Panel</li> <li>● Batter backup</li> </ul> | <ul> <li>Discharge of pump</li> <li>Head of the pump</li> <li>Power Supply</li> <li>Auto Starting of pump</li> <li>Underground tank capacity</li> <li>Draw-off connection</li> <li>Fire service inlet</li> <li>Access to tank</li> <li>Overhead Tank capacity</li> <li>Pressurization of Lift Shaft</li> <li>Pressurization of Lift Iobby</li> <li>Communication In lift Car</li> <li>Fireman's Grounding Switch</li> <li>Lift Signage</li> <li>Standby power supply</li> <li>Required</li> <li>R</li></ul> | Head of the pump Power Supply Auto Starting of pump  Underground tank capacity Pire service inlet Access to tank Overhead Tank capacity Provision of Lifts.  Pressurization of Lift Shaft Pressurization of Lift Iobby Communication In lift Car Fireman's Grounding Switch Lift Signage  Standby power supply  Refuge Area.  Total Area Location  Detector System Panel PA System Panel PA System Panel Batter backup Building Floor Plans  Porwited tank capacity  -NANANANANANANAN |  |

The fire protection systems provided in the building were randomly tested, checked and found functional at the time of inspection.

Keeping in view of the above compliance of the minimum standards of fire prevention and fire safety measures as required under the rule 35 of the Delhi Fire Service Rules 2010, Fire Safety Certificate is recommended under rule 35(3).

Accordingly form "H" in shape of DFA is put up for approval under rule 35(4).

Dy. CFO (SZ)

Signature of Inspecting Officer Name: A. K. Malik Designation: DO (SD)

POLO 27/6/3+

22/16

FTM