

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
HEADQUARTERS: DELHI FIRE SERVICE: CANNAUGHT PLACE

NEW DELHI- 110 001

No.F.6/DFS/MS/NDZ/DMRC/2018

1925

Dated: 04/05/18

FIRE SAFETY CERTIFICATE

Certified that the M/s, Vinod Nagar Depot (Phase - III, DMRC) building site -1 & site - 2, at East Vinod Nager Delhi. The Building comprised on ground floor, (G+1) floor and (G+II) floor, owned / occupied by DMRC. The building was inspected by the officer concerned of this department on 12/4/2018 in the presence of Sh. Amit sengar (AGM) with others of the premises and found that the " Mix occupancy" building have deem complied with the Fire prevention and Fire safety requirements in accordance with the rules. The Fire Safety Certificate under rule 35 unless renewed under rule 36 or sooner cancelled under Rule 40 and that the building is fit for "Mix occupancy Building" with effect from 04/05/18....for a period of three years, subject to conditions printed overleaf.

Issued on.....04/05/18.....at New Delhi by

  
(Vipin Kental)  
Chief Fire Officer  
Delhi Fire Service

Copy to:-

Sh. Amit Sengar,  
Addl. General Manager,  
Metro Bhawan Fire Brigade Lane,  
Barakhamba Road,  
Delhi - 110001.

M7

1. Name & address of the building : Vinod Nager Depot ( Phase -III DMRC) Delhi.
2. Building is comprised of : G, G+1 & G+2 (site-1 & site-2)
3. Type of Occupancy : Assembly/Industrial/Storage/Business/ (Mix occupancy)
4. Type of Case : New
5. Details of Previous FSC letter : N/A
6. Fire Safety direction letter no. : F6/DFS/MS/BP/2017/171 dt.-06/06/2017
7. Date of Inspection : 12/04/18
8. Name of the Inspecting officers : DO Francis Brown, DCFO Sunil Choudhary
9. Name and designation of Officer from the building side : Sh. Amit Senger (AGM) with others.
10. Year of Construction : 2018
11. Applicant's letter No : DMRC/CEE/PS-1/CE-5, LOT-1/VND Depot/25Pt-4  
Dated- 28/03/2018

| NO. | Minimum Standards on fire prevention and fire safety U/R33 | Requirement As per Directive         | Provided at Site                     | Remark MR/NMR |
|-----|--|--------------------------------------|--------------------------------------|---------------|
| 1   | Access to building   |                                      |                                      |               |
|     | • Road width   | 06 m                                 | 24 m & 78 m wide main road           | MR            |
|     | • Gate width   | 06 m                                 | 06 m                                 | MR            |
|     | • Width of internal road                                   | 06 m                                 | 09 m                                 | MR            |
| 2   | Number, Width, Type and Arrangement of Exits               |                                      |                                      |               |
|     | a. Number of Staircases                                    |                                      |                                      |               |
|     | • Upper Floor (G+1 & G+2)                                  | 16 no.                               | 16 no.                               | MR            |
|     | • Basement   | N/A                                  | N/A                                  | N/A           |
|     | b. Width of Staircases                                     |                                      |                                      |               |
|     | • Upper Floor  | 1.50 m                               | 1.5 m each & 01 of 1.65 dia          | MR            |
|     | • Basement   | N/A                                  | N/A                                  | N/A           |
|     | c. Protection of exits                                     |                                      |                                      |               |
|     | • Fire check door  | N/A                                  | N/A                                  | N/A           |
|     | • Pressurization   | N/A                                  | N/A                                  | N/A           |
|     | d. No. of continuous staircases to terrace                 | Required                             | Provided                             | MR            |
|     | e. Width of Corridor                                       | 1.5 m                                | 1.70 m                               | MR            |
|     | f. Door Size   | 2.0 m                                | 2.0 m & 1.5 m                        | MR            |
| 3   | Compartmentation.  |                                      |                                      |               |
|     | • Fire check door  | Required                             | Provided                             | MR            |
|     | • Sealing of electrical shafts                             | Required                             | Sealed                               | MR            |
|     | • Fire rating of shaft door                                | 2 hrs.                               | 2 hrs.                               | MR            |
|     | • Water curtain  | N/A                                  | N/A                                  | N/A           |
|     | • Fire Dampers   | N/A                                  | N/A                                  | N/A           |
| 4   | Smoke Management System.                                   |                                      |                                      |               |
|     | • Basement   | N/A                                  | N/A                                  | N/A           |
|     | • Upper floor  | N/A                                  | Natural Ventilated                   | N/A           |
| 5.  | Fire Extinguishers   |                                      |                                      |               |
|     | • Total numbers  | 28 nos of site 1 & 150 nos of site 2 | 30 nos of site 1 & 154 nos of site 2 | MR            |
|     | • types  | ABC & Co2                            | ABC & Co2                            | MR            |
|     | • ISI marking  | ISI marked                           | ISI marked                           | MR            |



|    |   |   |   |     |
|----|---|---|---|-----|
| 6  | First-aid-Hose Reels.                         |   |   |     |
|    | Total numbers of hose reel                    | 11 nos of site 1 &<br>30 nos of site 2  | 11 nos of site 1 &<br>30 nos of site 2    | MR  |
|    | • Length of hose reel                         | 30 m                                    | 30 m                                      | MR  |
|    | • Nozzle diameter                             | 5 mm                                    | 5 mm                                      | MR  |
| 7  | Automatic fire detection and alarming system. |   |   |     |
|    | • Type of detectors                           | Heat or Smoke                           | smoke                                     | MR  |
|    | • Location of main panel                      | G. Floor                                | G. Floor                                  | MR  |
|    | • Location of repeater panel                  | G. Floor                                | G. Floor                                  | MR  |
|    | • Alternate source of power                   | Battery & DG Set                        | Provided                                  | MR  |
|    | • Hooter's location                           | Required                                | Provided                                  | MR  |
| 8  | MOEFA   | Required                                | Provided                                  | MR  |
| 9  | Public address System.                        | Required                                | Provided                                  | MR  |
| 10 | Automatic Sprinkler System.                   |   |   |     |
|    | • Basement                                    | N/A                                     | N/A                                       | N/A |
|    | • upper floor                                 | N/A                                     | N/A                                       | N/A |
|    | • sprinkler above false ceiling               | N/A                                     | N/A                                       | N/A |
| 11 | Internal Hydrants                             |   |   |     |
|    | • size of riser/down-comer                    | 150 mm                                  | 150 mm                                    | MR  |
|    | • Total Number of hydrants                    | 20 nos. of site 1 &<br>84 nos of site 2 | 20 nos. of site 1 &<br>84 nos of site 2 & | MR  |
|    | • Total Hose Box                              | 20 nos. of site 1 &<br>84 nos of site 2 | 20 nos. of site 1 &<br>84 nos of site 2 & | MR  |
| 12 | Yard Hydrants.                                |   |   |     |
|    | • Total number of hydrants                    | 59 nos. of site 1<br>& 41 nos of site 2 | 59 nos. of site 1 &<br>41 nos of site 2   | MR  |
|    | • Hose Box                                    | 59 nos. of site 1<br>& 41 nos of site 2 | 59 nos. of site 1 &<br>41 nos of site 2   | MR  |
| 13 | Pumping Arrangements.                         |   |   |     |
|    | • Ground Level                                | Required                                | Provided                                  | MR  |
|    | ➤ Discharge of main Pump                      | 2850 lpm                                | Provided                                  | MR  |
|    | ➤ Head of Main Pump                           | 70m                                     | Provided                                  | MR  |
|    | ➤ Number of main pumps                        | 02                                      | Provided                                  | MR  |
|    | ➤ Jockey pump out put                         | 180 lpm                                 | Provided                                  | MR  |
|    | ➤ Jockey pump head                            | 70 m                                    | Provided                                  | MR  |
|    | ➤ Standby pump out put                        | 2850 lpm                                | Provided                                  | MR  |
|    | ➤ Standby pump Head                           | 70 m                                    | Provided                                  | MR  |
|    | ➤ Auto Starting /Manual stopping              | Auto                                    | Provided                                  | MR  |
|    | ➤ Pump House Access                           | Required                                | Provided                                  | MR  |
|    | • Terrace Level                               | NA                                      | NA  | NA  |
|    | ➤ Discharge of pump                           | NA                                      | NA  | NA  |
|    | ➤ Head of the Pump                            | NA                                      | NA  | NA  |
|    | ➤ Power supply                                | Required                                | Provided                                  | MR  |
|    | ➤ Auto Starting of pump                       | Required                                | Provided                                  | MR  |
| 14 | Captive Water Storage for Fire Fighting       |   |   |     |
|    | • Underground tank capacity                   | 2,00,000 Ltrs                           | 2,00,000 Ltrs                             | MR  |
|    | ➤ Draw-off connection                         | Required                                | Provided                                  | MR  |
|    | ➤ Fire service inlet                          | Required                                | Provided                                  | MR  |
|    | ➤ Access to tank                              | Required                                | Provided                                  | MR  |
|    | • Overhead Tank capacity                      | 20,000 Ltrs.+<br>10,000 ltrs            | 20,000 Ltrs.<br>+ 10,000 ltrs             | MR  |
| 15 | Exit Signage.                                 | Required                                | Provided                                  | MR  |



|    |  |          |                                     |     |     |
|----|--|----------|-------------------------------------|-----|-----|
| 16 | Provision of Lifts.  |          | N/A                                 | N/A | N/A |
|    | • Pressurization of Lift Shaft   |          | N/A                                 | N/A | N/A |
|    | • Pressurization of Lift lobby   |          | N/A                                 | N/A | N/A |
|    | • Communication in lift car  |          | N/A                                 | N/A | N/A |
|    | • Firemen's grounding switch   |          | N/A                                 | N/A | N/A |
|    | • Lift Signage   |          | N/A                                 | N/A | N/A |
| 17 | Standby power supply   | Required | Provided                            | MR  |     |
| 18 | Refuge Area.   |          |                                     |     |     |
|    | • Total area   | N/A      | N/A                                 | N/A | N/A |
|    | • Location   | N/A      | N/A                                 | N/A | N/A |
| 19 | Fire Control Room  |          |                                     |     |     |
|    | • Detector system panel  | Required | Provided                            | MR  |     |
|    | • Flow switch panel  | Required | Provided                            | MR  |     |
|    | • PA system panel  | Required | Provided                            | MR  |     |
|    | • Battery backup   | Required | Provided                            | MR  |     |
|    | • Building Floor Plans   | Required | Provided                            | MR  |     |
| 20 | Special Fire Protection systems for protection of special Risks, if any: | Required | Novac IS 1230 total flooding system | MR  |     |

The Fire protection systems provided in the building were Tested / Checked and found functional, at the time of inspection.

Keeping In view, compliance of the minimum standards of Fire prevention and Fire Safety measured as required under the Directive No. F.6/DFS/MS/BP/2017/171 dated 06/06/2017 issued by this department, it is recommended issue Fire Safety Certificate.

Signature of the Inspecting Officer  
 Name:- Sunil Choudhary  
 Designation:- Dy. CFO (NDZ)

Signature of the Inspecting Officer  
 Name: Francis Brown  
 Designation: DO (East)

C.F.O. - pl speak

23/4.

DCFO NDZ

spoken with DCFO NDZ  
 certificates for fire class attached.  
 put up FT 10.

M. Scell

FT letter is put up

for signature & fire checked door  
 having DMRC stamp is also enclosed