



No.F6/DFS/MS/Industrial/SZ/2024/ 152

Dated: 08/03/2024

FIRE SAFETY CERTIFICATE

Certified that the M/s Tehkhand Waste to Electricity Project Limited located adjacent to Tehkhand Bus Depot, Maa Anandmai Marg, Tehkhand, New Delhi-20, comprised of Electrical Control Room Cum TG Block, MSW + Boiler + Furnaces Block & Admin Block owned & occupied by M/s JITF Urban Infrastructure Limited have complied with the fire prevention and fire safety requirements in accordance with Rule 33 of the Delhi Fire Service Rules, 2010 and verified by a team of officers concerned of Fire Service on 04.03.2024 in the presence of Mr. Sandip Dutt (Vice President) and found that the premises/building is fit for occupancy of Group G "Industrial Building" with effect from 08/03/2024 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 conditions under Rule 38 of Delhi Fire Service Rules, 2010 printed below.

Issued on 08/03/2024 at New Delhi by


(Atul Garg)
Director
Delhi Fire Service
08/03/24

Copy to:-

1. The Authorized Signatory, Tehkhand Waste to Electricity Project Limited located at adjacent to Tehkhand Bus Depot, Maa Anandmai Marg, Tehkhand, New Delhi-20.

Conditions for the validity of Fire Safety Certificate

1. All the means of escape shall be kept free of all the type of obstruction all the time.
2. All the employees shall be acquainted with the use and maintenance of all fire equipments and method of smooth and speedy safe evacuation of occupants in case of emergency.
3. All the fire fighting equipments shall be maintained in perfect working condition all the time and any lapse rendering non-functional of fire safety measures, management shall be responsible.
4. The clarification with regards electrical installation, ventilation, structure stability set back areas, occupancy and constructional deviation in building etc .may be got verified from the authorities concerned.
5. This Fire Safety Certificate cannot be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
6. The owner / occupier shall submit a declaration every year in form 'K' provided in the first schedule of Delhi Fire Service Rule 2010. The form is available on www.dfs.delhigovt.nic.in.
7. 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.

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INSPECTION REPORT

1	Name & address of the building	M/s Tehkhand Waste to Electricity Project Limited located adjacent to Tehkhand Bus Depot, Maa Anandmai Marg, Tehkhand, New Delhi-20.			
2	Building is comprised of	Electrical Control Room Cum TG Block – Ground + 02 upper floors (25.17 m Height) MSW + Boiler + Furnaces Block – 44.99 m (Height) Admin Block – Ground floor only			
3	Type of occupancy	Group G- Industrial Building			
4	Type of case	New case			
5	Details of previous FSC	Nil			
6	Fire safety directive letter no.	F6/DFS/MS/2022/BP/121 dated 13.01.2022			
7	Date of inspection	04.03.2024			
8	Name of the inspecting officers	Manoj Kumar Sharma, DO (SD) & Rajesh Kumar Shukla, ADO (M. Road)			
9	Name of the designation of officer From the building side	Mr. Sandip Dutt (Vice President)			
10	Year of construction	2021			
11	Applicant's letter no.	Outdoor diary No. 13406 dated 21.02.2024			
S. No	Minimum standard of Fire Prevention and Fire Safety U/R 33	Requirements (as per the Directive issued)	Provide at site	Remarks MR/NMR	
1	Access to Building				
	A	Road width	12.0 mtrs	Provided	MR
	B	Gate width	6.0 mtrs	Provided	MR
	C	Width of internal roads	6.0 mtrs	Provided	MR
2	Number, Width, Type & Arrangement of Exits				
	A	No. of staircase:			
		a) Upper floor	2 nos. each block	2 nos. each block	MR
		b) Basements	NA	NA	NA
	B	Width of the staircase:			
		a) Upper floors	1.50 mtrs. each	1.50 mtrs. each	MR
		b) Basements	NA	NA	NA
	C	Protection of Exits			
		a) Fire check door	Required	Provided	MR
		b) Pressurization	NA	NA	NA
	D	No. of continuous staircase to terrace:	2 nos.	2 nos.	MR
	E	Width of the corridor	NA	NA	NA
	F	Door size	NA	NA	NA
3	Compartmentation:				
	A	Fire check doors	Required	Provided	MR
	B	Sealing of horizontal & vertical opening	Required	Provided	MR
	C	Fire rating of shaft doors	2 hours	Provided	MR
	D	Water curtain	NA	NA	NA
	E	Fire dampers	NA	NA	NA
4	Smoke Management System:				
	A	Basements	NA	NA	NA
	B	Upper floors	Mechanical/ Natural	Mechanical	MR
5	Fire Extinguishers				
	A	Total numbers	123 nos.	123 nos.	MR
	B	Types	CO ₂ & ABC	CO ₂ & ABC	MR
	C	ISI marking	ISI marked	Provided	MR

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6	First Aid Hose Reel					
	A	Total no. at each floor	Required	Total 124 nos.	MR	
	B	Length of hose reel	30 mtrs	30 mtrs	MR	
	C	Nozzle diameter	5 mm	5 mm	MR	
7	Automatic Fire Detection and Alarm System (ADAS)					
	A	Type of detectors	Smoke/heat	Smoke/heat	MR	
	B	Location of main Panel	Security room at ground floor	Provided	MR	
	C	Location of repeater panel	NA	NA	NA	
	D	Alternate power source	Required	Provided	MR	
	E	Hooter's location	Audible in entire building	Audible in entire building	MR	
8	MOEFA		Required	Provided	MR	
9	Public Address System		Required	Provided	MR	
10	Automatic Sprinkler System					
	A	Basement	NA	NA	NA	
	B	Upper floor	NA	NA	NA	
	C	Sprinklers above false ceiling	NA	NA	NA	
11	Internal Hydrants					
	A	Size of the riser/down comer	100 mm/150 mm	100 mm/150 mm	MR	
	B	No. of hydrants per floor	Required	Total 51 nos.	MR	
	C	Hose box	Required	Total 51 nos.	MR	
12	Yard Hydrants					
	A	Total no. of hydrants	10 nos.	11 nos.	MR	
	B	Hose box	10 nos.	11 nos.	MR	
13	Pumping Arrangements					
	A	Ground Level				
		a)	Discharge & head of main pump	*4500 LPM & 100 m	*4500 LPM & 100 m	*MR
		b)	Number of main pump	01 no.	01 no.	MR
		c)	Discharge & head of jockey pump	300 LPM & 100 m	300 LPM & 100 m	MR
		d)	Discharge & head of Standby pump	4500 LPM & 100 m	4500 LPM & 100 m	MR
		e)	Auto starting/ manual stopping	Required	Provided	MR
	B	Terrace Level				
		a)	Discharge of terrace pump	NA	NA	NA
		b)	Head of terrace pump	NA	NA	NA
c)		Alternate power supply	NA	NA	NA	
d)	Auto starting of pump	NA	NA	NA		
14	Captive Water Storage for Fire Fighting					
	A	Underground tank capacity	5,00,000 Ltrs x 2 nos.	Provided	MR	
	B	Draw off connection	Required	Provided	MR	
	C	Fire Service Inlet	Required	Provided	MR	
	E	Access to tank	Required	Provided	MR	
	D	Overhead tank capacity	NA	NA	NA	
15	Exit Signage		Required	Provided	MR	
16	Provision of lift					
	A	Pressurization of lift shaft	NA	NA	NA	
	B	Pressurization of lift lobby	NA	NA	NA	
	C	Communication in lift car	NA	NA	NA	
	D	Fireman switch	NA	NA	NA	
	E	Lift signage	NA	NA	NA	
17	Standby Power Supply		Required	Required	MR	

M/s Tehkhand Waste to Electricity Project Limited located at Adjacent Tehkhand Bus Depot, Maa Anandmai Marg, Tehkhand, New Delhi-20.

18 Refuge Area				
A	location	NA	NA	NA
B	Total area	NA	NA	NA
19 Fire Control Room				
A	Fire detection system panel	Required	Provided	MR
B	Flow switch panel	Required	Provided	MR
C	P A system panel	Required	Provided	MR
D	Battery backup	Required	Provided	MR
E	Building floor plan	Required	Provided	MR
20 Special Fire Protection for special risk if any				
1	Main Transformer	Required	Provided with NIFPS	MR
2	Control Room Panels	Required	Provided with Gas (HFC 227) based modular fire protection system	MR

Meeting Requirement (MR), Not Meeting Requirement (NMR), Not Applicable (NA), Provided but Not Functional (PNF), Not Provided (NP).

Note:- An additional fire pump of 2280 LPM has been required in the guidelines for water spray system for TG area, Control room Transformers etc. however these area are electrically charged and water sensitive and been low fire hazard. Further the main transformer has been protected with Nitrogen Injection fire protection system (NIFPS). The control room panels are already protected with gas based modular fire protection system. Optimum number of Hydrants (Internal & External) & Hose reels have been provided at suitable location. Hence the additional requirement of water spray system may be exempted.

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

If agreed & in view the substantial compliance of the minimum standards on fire prevention and fire safety required under the Rules it is recommended to grant Fire Safety Certificate under Rule 35 of the Delhi Fire Service Rules 2010.

Manoj Kumar Sharma
 Signature of the Inspecting Officer
 Name Manoj Kumar Sharma
 Designation DO (SD)

Rajesh Kumar Shukla
 Signature of the Inspecting Officer
 Name Rajesh Kumar Shukla
 Designation ADO (M. Road)

CFO
[Signature]
 7/10/2024

~~Director~~
[Signature]
 7/10/24
 ADO/MR

Ries put up pls
[Signature]
 08/3/24
 Director (P&S)
[Signature]

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