QUESTIONAIRE FOR REVISED APPROVAL OF FIRE SCHEME FOR HIGH RISE BUILDINGS HARYANA FIRE SERVICE

			HARYANA FIRE SERVICE		
		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
1	Name of the Building	GROUP HOUSING SCHEME	NA NA	GROUP HOUSING SCHEME	No Change
2	Classification of Building as per NBC Part IV	GROUP A - RESIDENTIAL BUILDING	Part 4, Clause 3.1.1	Residential -A4 , Assembly - D3. Main Occupancy : Residential	No Change
3	Address of the Building	SECTOR 112 & 113, GURUGRAM	N/A	SECTOR 112 & 113, GURUGRAM	No Change
4	Name and Address of Builder / Promoter	M/S CSN ESTATE PRIVATE LIMITED, 128, GROUND FLOOR, SECTOR 44, GURUGRAM	N/A	M/S CSN ESTATE PRIVATE LIMITED, 128, GROUND FLOOR, SECTOR 44, GURUGRAM	No Change
5	Name & Address of Owner/ Occupiers of the individual flats	M/S CSN ESTATE PRIVATE LIMITED, 128, GROUND FLOOR, SECTOR 44, GURUGRAM	N/A	M/S CSN ESTATE PRIVATE LIMITED, 128, GROUND FLOOR, SECTOR 44, GURUGRAM	No Change
6	Plot Area	21.043735 ACRES	N/A	21.043735 ACRES	No Change
7	Covered Area at Ground Level (Tower/ Block wise) Phase I		Certified that I	Fire Fighting Scheme is Part-IV, revised 2016	
	Tower A, B,C,D,E,F, Community Building, EWS & Shopping		Esni	Fire NOC received vide letter no DFS/FA/2017/551/398 dated 12/04/2017	
	EWS		Gurugram Fire Fighting Scheme A	Approved.	Due to change i design of Phase II, no of units added in the existing EWS in Phase i. Floor Area changed But no. of Floors height of Buildin remains
	Phase II		vide letter No. FAI. 20	18/854/16574	unchanged
	Yower G		Dated		
	Tower H		5.2.7.2.1.	7	
	Tower J		1	CIO	
	Tower K	40	50,416	507	
	Tower L	Po	O(FIQ)	DDT	
	Tower M				
	Tower N				
	Tower P				
	Community Building 02				
	Community Building 03				Phase II
	Nursery School				complete design
-	Tower A1			240,200.0	was changed
-	Tower B1		T	348.393 Sqm	including Towe
	Tower B1			335.599 Sqm	nomenclature
	Tower B3			618.512 Sqm 618.512 Sqm	Height of Tower
-	Tower B4			618.512 Sqm	Floor area etc
	Tower B5			618.512 Sqm	
	TOWER DO				
	Tower B6			618.512 Sqm	

For Paradise Consultants

Fire Ventilation Electrical Consultants (Fire Ventilanos Wilansstrical Consultants)

Arcop Asspciates (P) Limited Page 1

Manish Kr. Bagga, Architect Council of Architecture Hegistration No. CA/95/18626



Wew Delhi Bisht

	Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
Community Building (Part of Tower A1 & B1)			1050.61 Sqm	
Convenient Shopping (Part of Tower A2)			209.273 Sqm	
Primary School			770.707 Sqm	
Nursery School			211.39 Sqm	
Height of the Building		1114		
(Tower / Block wise)		N/A		
a. Overall Height				
(From Grade Level)				
Phase I			Fire NOC received vide letter no	
Tower A, B,C,D,E,F,			DFS/FA/2017/551/39891 dated	
Community Building,			12/04/2017	
EWS & Shopping			12/01/2011	No change in
EWS	35765 mm		35765 mm	Overall Height o Building
Phase II				-
Tower G				1
Tower H				
Tower J				
Tower K				
Tower L Tower M				Phase II
Tower N				complete desig
Tower P				was changed
Community Building 02				including Tower
Community Building 03				nomenclature,
Nursery School				Height of Tower
Traines of the second		Certified that Fir	re Fighting Scheme is	Floor area,
Tower A1		as per N.B.C. Pa	83850 mmsed 2016	number of Units etc
Tower B1			47300 mm	eic
Tower B2		70 1	47300 mm	-
Tower B3		(XXVI)	47300 mm 47300 mm	
Tower B4			47300 mm	-
Tower B		FSO	47300 mm ADFO	
Tower Be		Gurugram	83350 mm Gurugram	
Tower A2 Community Building			-	Part of Tower / & B1
(Part of Tower A1 & B1				
Convenient Shopping (Part of Tower A2)			-	Part of Tower
Primary School			15200 mm	
Nursery School			11200 mm	
b. Occupied Height				
Phase I			Fire NOC received vide letter no	
Tower A, B,C,D,E,F, Community Building, EWS & Shopping			DFS/FA/2017/551/39891 dated 12/04/2017	
EWS & Shopping	29575 mm Fire F	ighting Scheme Appro	29575 mm	No change in Occupied Heig of Building
Phase II		The Goldenie Appro	ved	
Tower G	Vide I	etter No FAL 2018/	8541 36574	Phase II
Tower H	Date		M	complete desi
Tower J	Dated	05-4-18		was changed
Tower K	1			including Tow
Tower L	ACONT ON A		U _	nomenclature
Tower M	MOFOCHO	DI	D.T.	Height of Tow
Tower N				Floor area,
Tower P				number of Un
Community Building 02				etc
Community Building 03 Nursery School	-			
Nursery School	1			
-	(1		78700 mm	
I OWEL I				
Tower F			42500 mm 42500 mm	

For Paradise Consultants

Fire Verifiation Electrical Consultants

Peradise Consultants

(Fire - Ventilation & Electrical Consultants)

Manish Kr. Pag 22, Architect Council of Architecture Registration No. CA/95/18626





		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
+	Tower B3			42500 mm	
+	Tower B4			42500 mm	
+	Tower B5			42500 mm	
-	Tower B6			42500 mm	
-	Tower A2			78700 mm	Dad of Towns A1
-	Community Building				Part of Tower A1 & B1
	(Part of Tower A1 & B1)				Part of Tower A2
	Convenient Shopping				& B6
	(Part of Tower A2)				& D0
_	Primary School			12500 mm	
	Nursery School			8250 mm	
e i	Number of Floors (including Ground Floor) (Tower / Block wise)				
	Phase I			Fire NOC received vide letter no	
	Tower A, B,C,D,E,F,			DFS/FA/2017/551/39891 dated	
	Community Building,			12/04/2017	
	EWS & Shopping			TEI STITE ST	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	EWS	7 Floors		7 Floors	No change in number of Floors
	Phase II				
	Tower G				
	Tower H				Phase II
	Tower J				complete design
	Tower K				was changed
_	Tower L				including Tower
_	Tower M			- Five Elebting Scheme is	nomenclature,
	Tower N		Certified that	nt Fire Fighting Scheme is	Height of Towers
-	Tower P		as per N.B.C	C. Part-IV, revised 2016	Floor area etc
	Community Building 02			0	
	Community Building 03				
-	Nursery School		68ml		
	Indiacity Conso.		601	* DEC	
-	Tower A1		FSO	26 Floors ADFO	
_	Tower B1		Gurugram	14 Floors Gurugram	
	Tower B2		Odragiani	14 Floors	
	Tower B3			14 Floors	
	Tower Ba			14 Floors	
-	Tower B			14 Floors	
-	Tower Be			14 Floors	
	Tower A			26 Floors	
-	Community Building			2 Floors	Part of Tower A
	(Part of Tower A1 & B1			2110013	& B1
	Convenient Shopping			1 Floor	Part of Tower A
	(Part of Tower A2				
	Primary School			3 Floors	
-	Nursery School	Hire	Highting Scheme Appr	0 2 Figors	
10	No.s of Basement, Area		0 1	1854/36574	
TAY S	& Level	Date	D 5 W 1 . 0	Fire NOC received vide letter no	
	Phase I	Ç	03-178	DFS/FA/2017/551/39891 dated 12/04/2017	
-		MEO(F	(D)	DDT-I	
	Phase II			21440 Sqm	
	Basement I	13310.05 Sqm		7390.19 Sqm	
	Basement II	15249.64 Sqm		7390.19 Sqiii	
11	if the basement extends beyond the building line Indicate the load bearin strength of the roof of basement.		45 Ton	Fire NOC received vide letter no	
	Phase I			DFS/FA/2017/551/39891 dated 12/04/2017	

For Paradise Consultants

Fire Ventilation Electrical Consultants

Paradise Consultants

(Fire - Ventilation & Electrical Consultants)

Arcop Associates (P) Limited

Manish Rage aggs, Architect

Council of Architecture

Registration No. CA/95/18



	n	Earlier Fire Scheme Approved vide memo o. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
	Phase II			Roof of the Basement beyond the building of all towers has been designed for 60T load of Fire Engine	
12	Occupancy (Use - Please mention separately for each				
	Building /tower)				
_	Sanctioned			Car Park & Services	
	Ground Floor			Tower A1 - Commercial and residential Tower B1 - Commercial and residential Tower B2 to B6 -Residential Tower A2 - Commercial and residential	
	First floor			Tower A1 - Commercial and residential Tower B1 - Commercial and residential Tower B2 to B6 -Residential Tower A2 - Residential	
	Upper Floor			Residential	
	Actual			Car Park & Services	
	Basement				
	Ground Floor		Certified that Fire Fig.	Tower A1 - Commercial and residential Tower B1 - Commercial and residential Tower B2 to B6 -Residential Tower A2 - Commercial and residential Tower A2 - Commercial and residential Tower A2 - Commercial and Tower A2 - Commercial and Tower A2 - Commercial and Tower A3 - Commercia	
	First floor		as per N.B.C. Part-IV,	revistower (A16 Commercial and residential Tower B1 - Commercial and residential Tower B2 to B6 -Residential Tower A2 -	
	Upper Floor		FSO	THE STATE OF THE S	
13	Covered Area of Typical Floor (Tower/ Block wise)		Gurugisan	Gurugram	
	Tower A, B,C,D,E,F, Community Building,			Fire NOC received vide letter no DFS/FA/2017/551/39891 dated 12/04/2017	0
-	EWS & Shopping	500.05.5cm		1640, 693 Sam	Change in Floor Area
	EWS	508.85 Sqm	A Lama Al	nnroved	
			ire Fighting Scheme A	a) 2/254) 3 8524	
	Phase II	1,	ido letter No. FAI2	0101039	
	Tower G	1	THE TOTTO		Phase II
	Tower H		Dated 5 118		complete desig
_	Tower J Tower K		05-418	See	was changed
-	Tower L		1		including Tow
-	Tower M		(4)	DDT-I	nomenclature
-	Tower N	β0	FQ(H9)		Height of Towe
	Tower P				Floor area et
	Community Building 02				
	Community Building 03				
	Nursery School				
	Tower A	11		1st Floor - 196.233 Sqm Typical (2nd to 25th) -608.109 Sqm	
	Tower E	31		1st Floor - 347.71 Sqm Typical (2nd to 11 th) -625.75 Sqm Typical (13th & 14th floor) - 424.476 Sqm	5

For Paradise Consultants

Fire Ventilation Electrical Consultants
[Fafedise (Consultantisectrical Consultants)

Arcop Asspciates (P) Limited
Manish Ki. Bagga, Architect
Council of Architecture
Hepistration No. CA/95/1888 sociates

New Delhi

Cliente (P) Limite

		Earlier Fire Scheme Approved vide memo to. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
+				1st Floor - 618.512 Sqm	
				Typical (2nd to 11 th) -625.75 Sqm	
	Tower B2			Typical (13th & 14th floor) - 530.081	
	101101 22			Sam	
				1st Floor - 618.512 Sqm	
_				1St F1001 - 010.312 34111	
				Typical (2nd to 11 th)-625.75 Sqm	
	Tower B3			Typical (13th & 14th floor) - 530.081	
				Sgm	Phase II
				1st Floor - 618.512 Sqm	
				1St F1001 - 616.512 5q111	complete design
				Typical (2nd to 11 th)-625.75 Sqm	was changed
	Tower B4			Typical (13th & 14th floor) - 530.081	including Tower
				Sgm	nomenclature,
				0.10.510.0	
				15(F1001 - 010.312 0q11	Height of Towers
				Typical (2nd to 11 th)-625.75 Sqm	Floor area etc
	Tower B5			Typical (13th & 14th floor) - 530.081	
	1,000,000			Sgm	
				O40 540 Cam	
-				1st Floor - 618.512 Sqm	
				Typical (2nd to 11 th)-625.75 Sqm	
- 1	Tower B6			Typical (13th & 14th floor) - 424.476	
	TOWER BO				
				Sqm	
-			M.	1st Floor - 456 Sqm	
	I a land				
	Tower A2			Typical (2nd to 25th)-608.109 Sqm	
-	O			1st Floor - 282.321 Sqm	
	Community Building			151 F1001 - 202.02 1 0q111	
	(Part of Tower A1 & B1)				
	Convenient Shopping				
	(Part of Tower A2)				
	(Part of Tower AZ)			1st Floor - 755.037 Sqm	
	Primary School			2nd Floor - 724.413 Sqm	
	Filliary School			2110 1 1001 12 11 110 0 0 111	
	Nursery School				
-	Nuiscry Concer				
			Cas and that Fire Fighti	ing Scheme is	
	Parking Areas (Please		N C Deat W	1000	
4	give details)		as per N.B.C. Part-IV, re	Fire NOC received vide letter no	
	9.10			Fire NOC received vide letter no	
		1	0. 1	DFS/FA/2017/551/39891 dated	
	Phase I		1/2mala	12/04/2017	
			1000		
				0 4 247	
			FSO	Surface 247	
	- II			Lower Basement - 169	
	Phase II		Gurugram	Upper Basement - 563	
	Details of Surronding				
-					
15					
15	Property/ Features				
15	Compass direction in	Type of property /	Height in case of building		
15	Compass direction in		Height in case of building		
15	Compass direction in relation to Building	Feature	Height in case of building		
15	Compass direction in relation to Building NORTH	Feature Other Land	Height in case of building		
15	Compass direction in relation to Building	Feature	Height in case of building		No Change
15	Compass direction in relation to Building NORTH SOUTH	Feature Other Land	Height in case of building		No Change
15	Compass direction in relation to Building NORTH SOUTH EAST	Feature Other Land Other Land Other Land		Annovad	No Change
15	Compass direction in relation to Building NORTH SOUTH	Feature Other Land Other Land	Tiro Eighting Schome	Approved	
15	Compass direction in relation to Building NORTH SOUTH EAST	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Approved	
15	Compass direction in relation to Building NORTH SOUTH EAST WEST	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Approved 1.0181854/3657	
15	Compass direction in relation to Building NORTH SOUTH EAST WEST	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Approved P / 8 / 8 3 4 / 3 6 5 7 Entry from 12 m Wide Service Rose	
15	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Approved Day 8 1 8 3 4 1 3 6 5 7 Entry from 12 m Wide Service Roa	
	Compass direction in relation to Building NORTH SOUTH EAST WEST	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Roa	
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire	Feature Other Land Other Land Other Land	Tiro Eighting Schome	Entry from 12 m Wide Service Ros	
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting	Feature Other Land Other Land Other Land 60 m Wide Road	Tiro Eighting Schome	Entry from 12 m Wide Service Road	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire	Feature Other Land Other Land Other Land 60 m Wide Road	Tiro Eighting Schome	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting	Feature Other Land Other Land Other Land 60 m Wide Road	Tiro Eighting Schome	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL)	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL)	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tanl Phase II	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL)	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated	Entry from 12 m Wide Service Ros DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL)	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tanl Phase II	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FAI. 2 Dated 12m wide road Dated 000 NLD	Entry from 12 m Wide Service Rose DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL) Total capacity = 605 KL	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank Overhead Fire Tank	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated 12m wide road Dated 400 KLD	Entry from 12 m Wide Service Road Sto DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL) Total capacity = 605 KL	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank Overhead Fire Tank Tower A	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated 12m wide road Dated 400 KLD	Entry from 12 m Wide Service Road DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL) Total capacity = 605 KL 10 KL 10 KL	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank Overhead Fire Tank Tower	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated 12m wide road Dated 400 KLD	Entry from 12 m Wide Service Road Sto DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL) Total capacity = 605 KL	d d
16	Compass direction in relation to Building NORTH SOUTH EAST WEST Approach to proposed building, width of the road and connecting roads, if any Please give details of water supply available exclusively for fire fighting Underground Fire Tank Overhead Fire Tank Tower A	Feature Other Land Other Land Other Land 60 m Wide Road	Fire Fighting Scheme vide letter No. FA/. 2 Dated 12m wide road Dated 400 KLD	Entry from 12 m Wide Service Road DDT-I (1 No. 285KL + 1 No. 200 KL + 1 No. 120 KL) Total capacity = 605 KL 10 KL 10 KL	d d

Fire Ventuation Electrical Consultants
Paradise Consultants
(Fire - Ventilation & Electrical Consultants)

Manish Kr. Bagga, Architect Council of Architecture Hegistration No. CA/95/18626





		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
-	Tower B4		5 KL	5 KL	
-+	Tower B5		5 KL	5 KL	
-	Tower B6		5 KL	5 KL	
-	Tower A2		10 KL	10 KL	
-+	Community Building		150.00		
			-	-	
_	(Part of Tower A1 & B1)				
	Convenient shopping				
	(Part of Tower A2)		5 KL	5 KL	
	Nursery School		5 KL	5 KL	
	Primary School		3 KL	0.112	
18	Has wet riser(s) been provided? If so, please indicate the number of risers and internal dia of		Yes provided,	Yes provided, 150mm wet riser in each tower	
	each.		42	- do -	
	Tower A1		- do -	- do -	
	Tower B1		- do -		
	Tower B2		- do -	- do -	
	Tower B3		- do -	- do -	
	Tower B4		- do -	- do -	
	Tower B5		- do -	- do -	
	Tower B6		- do -	- do -	
_	Tower A2		- do -	- do -	
	101101712				
19	Has any Downcomer been provided? If so please give details.		Yes provided,	Yes provided,	
	Community Building (Part of Tower A1 & B1)			1 No. 100 mm dia down comer pipe	
	Convenient shopping (Part of Tower A2 & B6)		1 x 65 mm dia As per NBC 150mm dia down	1 No. 150 mm dia down comer pipe	
	Primary Schoo	1	comer required	1 No. 150 mm dia down comer pipe Yes provided, 100mm down comer	
	Nursery Schoo	1	As per NBC 100mm dia down comer required	in each tower	
20	Please indicate the present arrangement for replineshment of water for fire fighting.		Certified that Fire Fight as PNot Required art-IV,	revised 2006 proposed	
			amm.		
21	Is a public or other water storage facility available nearby? If so, please give the capacity and distance from your building. Also please indicate if it is readily accessible.		FSO Gurugram Not Mentioned	ADFO Gurugram Not Known	
22	water supply for fire		Not Mentioned	Proposed : Raw water tank - (100 +100) =200 KL & Domestic (160 + 90) =250 KL	
1	fighting				

Proceed Superior Superior Superior Superior DDT-1

New Delhi

For Paradise Consultants

Fire Ventilation Electrical Consultants

Peradise Consultants (Fire - Ventilation & Electrical Consultants)

Arcop Associated Parties
Page 6
Manish Kr. Bagga, Architect

Council of Architecture Registration No. CA/95/186

		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
	Have internal hydrants				
	been provided? If so,				
	please indicate:		Fire Fighting Schen	ne Approved	74
	a) No. of hydrants on each floor including basement(s) and terrace.		vide letter No. FA/.	Yes, 80 mm the parants has been proceed their staircase of each floor including terrace.	
			Dated D.S. 4	.1.0	
-	Phase II		1	GO_	
_	Lower Basement		40 0	.09 Nos	
_	Upper Basement		P)FO(HQ)	28 Nos	
-	Tower A1			1 on each floor	
$\overline{}$	Tower B1		V (stars of business with	- do -	
_	Tower B2		Yes, one internal hydrant with single headed landing valve has	- do -	
	Tower B3		been proposed in each floor	- do -	
_	Tower B4		including terrace,	- do -	
_	Tower B5		including terrace,	- do -	
	Tower B6			- do -	
_	Tower A2			- do -	
	Nursery School			- do -	
-	Primary School			- do -	
-					
	b) Have these hydrants single or twin outlets.		Required, Single Headed.	Single outlet has been proposed	
-	I I Foot aid been reele		Yes, one First Aid Hose Reel has	Yes, one First Aid Hose Reel has	
	Have first aid hose reels		been proposed in each FHC	been proposed in each FHC	
24	been provided? If so,		including basement	including basement	
	please indicate		moduling basement		
	a. No. of Hose reels on	I'	Required	Yes, one First Aid Hose Reel has	
	each floor including		required	been proposed in each FHC.	
-	b. Bore and length of				
	hose reel tubing on each reel		20 mm dia x 30 m Long	Yes proposed (20mm & 30 m length)	
	c. Size(bore) and type of nozzle fitted to each hose reel		Gun Metal/ Stainless Steel shut off nozzle having & simediahat		
	d. If the hose reel		as per N.B.C.	Part-IV, revised 2016	
	connected directly to		O at a discret, to the west rines	Yes, connected directly to the riser	
	the riser or to the		Connected directly to the wet riser	res, connected directly to the rise	
	hydrant outlet?		6NW9		
	Has fire hose been		FSO	ADFO	
25	provided near each Hydrant , If so, please		Providedgram	Yes, proposégram	
_	indicate		RRL IS : 636 1988	Proposed (RRL Type)	
	a. The type of hoses				
	b. The size(bore) of hoses		63 mm dia	proposed 63mm dia fire hose	
	c. The length of each		26	assessed 1Em land fire hard	
	hose		15 m long	proposed 15m long fire hose	
	d. Total No. of hoses provided near each hydrant		2 Nos. near each single headed Internal Hydrants	Yes, two nos. proposed	
	TIY GI GI II		£ 88		
	Have branch pipes been				
26	provided?. If so please indicate.		Provided	Yes, proposed	
	a. The type of branch pipes		GM Standard Short Branch Pipe.	Yes, short branch pipe proposed	
	b. Size and nozzle fitted to each branch		63 mm & 20 mm Nozzle	63 mm & 20 mm nominal bore.	
	If the basement is used				
27	for Car parking or storage, has it been sprinkled		Yes, Sprinkler shall be provided for Parking.	Yes, basement has been sprinklered	

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Manish Ni Page 736, Architect Council of Architecture Registration No. CA/95/18626





		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
28	Wheteher segregation/ compartmentation of the basement has been provided. If so please detail		Required,	Basement Car Park area shall be having compartments of area <= 3000 Sq.m. as per the code	
	Is the building equipped with automatic fire detection and alarm system? if so, please indicate –		Required as per NBC for more than 60 Mtr. Height or above High rise building Automatic Fire Detection and Alarm and less than 60Mtrs Height Manual fire Alarm system shall be required.	Yes, Automatic Fire Alarm and Detection System is Proposed in Tower A1 & A2 and Manual Fire Alarm System is Propsed in tower B1 - B6.	
	a) The type of detectors used		NBC Clause no[4(18)], Table 23	Multicriteria Detectors shall be provided in basement Services Area, plant/pump room & Fan Room. Smoke detector shall be provided in Lift Lobby and Electrical Rooms	
	b) The standard to which the detectors conforms.		IS: 11360,2175	IS: 11360,2175	
30	Have manual call boxes been installed in the building for raising an alarm in the event of an outbreak of fire? If so, please give details.		Required as per NBC-IV, 6.4,8.5 fire and safety, Manual Call Box should be provided in central place of each platform.	Yes (Break – Glass Type) in all tower at Exit Staircases and basement at Exits and at 30m interval.	
31	Has a public address system been installed in the building with loud speakers on each floors.		Required as per NBC-IV, fire and safety, Speaker or Hooter should be provided in central place of each platform.	Yes, Speaker and Hooter cum sounder to be installed on each lift lobby at each floor and Talk Back System in all towers	
32	Has an intercom system been provided between the various floors and the fire control room in the entrance lobby.		Required as per NBC-IV C-5. For 15 Mtr. Height or above High rise building shall be a Control Room on the Entrance Floor of The building with Communication System	Yes, Communication system will be	e is 6
33	Has a fire control room been provided in the entrance lobby of the building.		Required,	ADI Main Fire Control Room at Gound Floor of Tower A2	O ram
34	How many Staircases have been provided in the building?	Fire Fighting	Above 15 m or 500 sqm floor area	Norsely School- 1 No.s	
	a. The width of the Stairway	Batedo.	1250 mm SU DDT-1	Tower A1/ A2 - 1375mm & 1367.5 mm Tower B1 to B6- 1250 mm Community Building - 1500 mm and 1500 Primary School -1800mm,1500mm &1000mm Nursery School -1500mm	
	b. The width of Treads		Min 250 mm for Residential buildings	Tower A1/ A2 - 250 mm Tower B1 to B6- 250 mm Community Building - 300 mm Primary School - 300mm,250mm Nursery School - 300 mm	

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		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
	c. The height of risers		Max. 190 for Residential Buildings	Tower A1/ A2 - 187.5 mm & 166.67 mm Tower B1 to B6- 187.5 mm & 166.67 mm Community Building - 166.67 mm Primary School - 150mm Nursery School - 169.5 mm	
	d. If the treads are of non- slip type	N. II	Required	Yes, Non Slip Type. Grooves are being provide near nosing.	
35	What is the average occupant load per floor?				
	Tower A1			Ground floor 6 First floor 6 2nd to 25th floor 24	
	Tower B1			Ground floor 10 First floor 15 2nd to 11th floor 30 12th & 13th floor 20	
	Tower B2			Ground floor 25 1st to 11th floor 30 12th & 13th floor 25	
	Tower B3			Ground floor 25 1st to 11th floor 30 12th & 13th floor 25	
	Tower B4			Ground floor 10 First floor 15 2nd to 11th floor 30 12th & 13th floor 20	
	Tower B5		as per N.B.C. Part	GrandflaopCheme is 25	
	Tower B6		Emy	Ground floor 25 1st to 11th floor 30 12th & 13th floor 20	
*	Tower A2		FSO Gurugram	Ground floor ADFO 6 First floor Gurugram 18 2nd to 25th floor	
36	How many lifts have been installed in the building? (Tower/ Block wise)	vide letter N		Tower A1- 3 No.s (1 Fire Lift + 2 Passenger) Tower B1 - 2 No.s (1 Fire Lift + 1 Passenger) Tower B2 - 2 No.s (1 Fire Lift + 1 Passenger) Tower B3 - 2 No.s (1 Fire Lift + 1 Passenger) Tower B4 - 2 No.s (1 Fire Lift + 1 Passenger)	
	Please indicate in each	Datedb.	-4-c1.8	rassenger Litty	
	case:	ALEO(H)	Sel		
	a. The floors between which the lift runs	pyro(rig)	All habital space	Tower A1- 2nd Basement to 25th Floor Tower B1 - 2nd Basement to 13th Floor Tower B2 - 2nd Basement to 13th Floor Tower B3 - 2nd Basement to 13th Floor Tower B4 - 2nd Basement to 13th Floor Tower B5 - 2nd Basement to 13th Floor Tower B6 - 2nd Basement to 13th Floor Tower A2- 2nd Basement to 25th Floor Community Building - Gnd to 1st Floor	

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Fig. Ventifation Electrical Consultants
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		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
	b. Floors area of the lift car		min 1.4 sq.m	Tower A1- 2000x 1300 mm / 2000x 1100 mm Tower B1 - 2000 x 1100 mm Tower B2 - 2000 x 1100 mm Tower B3 - 2000 x 1100 mm Tower B4 - 2000 x 1100 mm Tower B5 - 2000 x 1100 mm Tower B6 - 2000 x 1100 mm Tower B6 - 2000 x 1100 mm Tower A2- 2000x 1300 mm / 2000x 1100 mm Community Building - 1350 x 1300 mm	
	c. Loading capacity of the lift car.		minimum 8 person	Tower A1- 1020 Kg / 884 Kg Tower B1 - 884 Kg Tower B2 - 884 Kg Tower B3 - 884 Kg Tower B4 - 884 Kg Tower B5 - 884 Kg Tower B6 - 884 Kg Tower A2- 1020 Kg/ 884 Kg Community Building - 680 Kg	
	d. Has communication system been installed in the lift car.		Required	Yes	
	e. Has a fireman's switch been installed in the lift for grounding it in the event of a fire?		Required	Yes	
37			pumps each consisting of two electric and one diesel pump (stand	i i	
37	Have any stationery fire pumps(s) been installed for pressurizing the wet riser? If so, please indicate		by) of capacity 2 850 litre/min and two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel	eme is
37	pumps(s) been installed for pressurizing the wet riser? If so, please		two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Scho	eme is
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate		two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Scho	eme is
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant		two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Sche per N.B.C. Part-IV, revised 2	eme is
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler		two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the wates tank capacity as required for one set of pumps. 1 No. Gur	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schuper N.B.C. Part-IV, revised 2	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump		two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Sche per N.B.C. Part-IV, revised 2	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump Curtain Nozzle Pump	Fire Fighting	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 1 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Sche per N.B.C. Part-IV, revised 2 1 No. 1 No. 2 No.	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace	Fire Fighting	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Sche per N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 2 No.	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump Primary School Terrace	Fire Fighting	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 1 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schuper N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 1 No.	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump	Fire Fighting	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 1 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schiper N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 1 No. 1 No.	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump Primary School Terrace	Fire Fighting	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 1 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schiper N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 1 No. 1 No.	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump Primary School Terrace Pump b. The size of suction and delivery connections of each	Pire Fighting vide letter N Dated	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 2 No. 1 No. Scheme Approved 1 No. Scheme Approved 1 No.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schiper N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 1 No. 1 No.	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump Primary School Terrace Pump b. The size of suction and delivery connections of each pump Electrical driven Hydrant Electrical driven Hydrant	Pire Fighting vide letter N Dated	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 2 No. 1 No. Scheme Approved No. 1 No. Company of the same capacity and doubling the water tank capacity as required for one set of pumps.	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schuper N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 1 No. 1 No. 1 No. 1 No.	ome is 016
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37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump Primary School Terrace Pump b. The size of suction and delivery connections of each pump Electrical driven Hydrant Electrical driven Hydrant Electrical driven Hydrant Electrical driven Hydrant Diesel driven Pump Jockey Pump Curtain Nozzle Pump	Fire Fighting vide letter N Dated MPO(HQ)	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 2 No. 1 No. Scheme Approved No. 1 No. Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schuper N.B.C. Part-IV, revised 2 1 No. 2 No. 2 No. 1 No. 1 No. 1 No. 1 No. 200/150 mm 200/ 150 mm 250 / 200 mm	ome is 016
37	pumps(s) been installed for pressurizing the wet riser? If so, please indicate a. Number of pumps Electrical driven Hydrant Electrical driven Pump Jockey Pump Curtain Nozzle Pump Nursery School Terrace Pump Primary School Terrace Pump b. The size of suction and delivery connections of each pump Electrical driven Hydrant Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump	Fire Fighting vide letter N Dated MPO(HQ)	two electric pump of capacity 180 litre/min Alternative to provisions of additional set of pumps, the objective can be met by providing additional diesel pump of the same capacity and doubling the water tank capacity as required for one set of pumps. 1 No. 1 No. 2 No. 2 No. 2 No. 1 No. Scheme Approved No. 1 No. Electrical driven Hydrant Electrical driven Sprinkler Diesel driven Pump Jockey Pump	02 Nos. Electrical Pumps, 02 Nos. Jockey Pumps, 02 Nos. Diesel Pumps, 01 No. Water Curtain Pump rtified that Fire Fighting Schoper N.B.C. Part-IV, revised 2 300 1 No. 2 No. 2 No. 1 No. 1 No. 1 No. 1 No. 2 No. 2 No. 1 No. 1 No. 2 No. 1 No.	ome is 016

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Pur ventilation Electrical Consultants
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ciates New Delhi

Client CON Estate (P) Limited

E		Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
-	. The output of each				
-	Electrical driven Hydrant				
E	Electrical driven Hydrant		Electrical driven Hydrant	2850 LPM	
- 1	Electrical driven		Electrical driven Sprinkler	2850 LPM	
	Sprinkler		Diesel driven Pump	2850 LPM	
- 1	Diesel driven Pump		Jockey Pump	180 LPM	
	Jockey Pump		Jockey Fullip	2280 LPM	
	Curtain Nozzle Pump		Curtain Nozzle Pump	2200 21 111	
	Nursery School Terrace Pump		Nursery School , Terrace Pump -	450 LPM	
	Primary School Terrace		Primary School, Terrace Pump	450 LPM	
	Pump d. The head of each pump		Multistage & Multioutlet pumps, 140/90M head, Water curatin pump : 35 m Head	Multistage & Multioutlet pumps, 140/90M head, Water curatin pump : 35 m Head	
	e. Is the pump automatic in action?		Yes, Required	Yes, Provided	
38	Has a standby source of power supply been provided? If it is through a generator, please indicate		Required as per NBC-IV 6.4.8.1. the provision of diesel pump can be dispensed with and instead, two electric pumps may be provided ou of which at least one should have DG back-up. The jockey pump should also have DG back-up.	Yes, proposed with 100% back up for emergency Loads	
	a. The capacity (output)		Standby backup to be provided for essential loads	5.145MVA DG Sets (2x1250kVA+2x1010kVA+1x625kV A)	
	b. The functions that ca be maintained simultaneously by the use of generator, such as operating lift(s), fire pumps, emergency lighting etc.		Required as per NBC-IV 6.4.8.1. the provision of diesel pump can be dispensed with and instead, two electric pumps may be provided of which at least one should have DG back-up. The jockey pump should also have DG back-up.	е	e is
	c. Is the generator automatic in action or has to be started manually ?		Automatic E	Automatic AD	FO
_			Guru	aram	3
39	Has any yard hydrant been provided from the building's fire pump	9	Required	Yes, Provided Phase-II- 23 Nos., (c/c distance 45 m)	
40	Where more than one lifts are installed in a common enclosure, had individual lifts been separated by fire resisting walls of two hours fire rating?	1		Yes, Provided. Scheme Approved FAI. 2.12.18.1854	1110

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	n	Earlier Fire Scheme Approved vide memo o. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
11	Has the lift shaft(s) lift lobby or stair wall been pressurized? If so, give details.		Required	Lift Shafts are pressurized to create a positive pressur of +50 Pa from surrounding. LiftLobbies above ground Floors are open type. However, in basements they are pressurized to create +25 Pa positive pressure from surroundings. All Staircases in the basement to ground are pressurized to create a positive pressur of +50 Pa from surrounding. One of the staircases is pressurized from ground to terrace, each in tower A1 and A2 to create a positive pressur of +50 Pa from surrounding.	
42	Have the lift lobbies and staircases been effectively enclosed to prevent fire/smoke entering them from outside at any floor?		Lift shaft is pressurized and Staircase provided with openable window (For Ground & above Floors). All Lift Lobbies and staircase shall be pressurized in the basements.	All Liftlobbies and Staircases shall have Fire Rated Doors of 1 Hour rating. The Lift Lobbies and Staircases shall be open Type with railings so that any smoke entering them may not be blocked. One of the staircase in tower A1 and A2, shall be pressurized as it is enclosed staircase	
43	Have all exits and directions of travel to each exit been sign posted with illuminated signs?		Yes, . Certified that	Yes, . t Fire Fighting Scheme is	
44	Has a false ceiling been provided in any Public portion of the building? if so, please indicate location Gap, Fire		Yes, material of false ceiling is not combustible gram	ENTRANCE LOBBY ENTIRE SPACE, CONVENIENT SHOPPING	
45	please indicate.		Fire Mighting S	cheme Approved	0157
	a. The material used for construction of ducts and its fittings. b. The type of tinning	i	Dated & S / H Fibre Glass 48 Kg/m3 density	FA Hot Dip Process and Galyanized Steel Sheets conforming to bis 655, BIS 277, BIS 737 Not proposed	100 /
	used for ducts if any. c. Type of lagging used, if any for insulating any portion of the duct, please also indicate how the lagging is secured.		ADFO(HQ)	DDT-I NA	
	d. If false ceiling is provided please give information as at 44	Yes, Non-Combustible	Yes, Non-Combustible	Non-Combustible	
	e. If plenum is used as return air passage has been protected with fire detectors? Please give details	it	NA	NA	

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Registration No. CA/95/188

6 New Delhi

		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
	f. Has a separate AHU been provided for each Floor ?	NA	NA	Not Proposed	
	g. Whether automatic shut down of AHU is coupled with detection system?		NA	NA	
	h. Is the ducting for each floor effectively isolated or is it continuous on more than on floors?		NA	Yes, ducting in basement is isolated.	
	i. Is the Fire dampers being provided		May be Required if a duct crosses a fire rated wall	Not Required in the project.	
46	Where are the switchgear and transformers located, If in side the building, please indicate.	In Basement.	Fire & life safety Part - 4 Annex - C Clause - 1 .16 ©	First Basement	
	a. If the switch gear and transformer(s) have been housed in separate compartments, effectively separated from each other and from other portions of the buildings by a four hour resistive wall?	4 Hours fire rating	As per NBC, when transformers housed inside the building, the transformer shall be of dry type and shall be cut off from the other portion of premises by walls/ door / cutout having fire resistance rating of 4 hr.	Basement in separate enclosures	
	b. What precautions have been taken to prevent a possible fire in the transformer(s) from spreading	Transformers shall be drype. Fire resistive wall (230 mm thick) separated the trans-formers. Smoke detectors in each transformer room. 22.5 kg CO2 & 50 ltrs capacit mechanical foam fire extinguisher are provide in transformer room. CO flooding system shall be provided in panel.	Fire Rated walls required Ce	4 Hours fire rated walls/Fire Extuinguisher/Fire Bucket proposed, Gas Flooding system entified those HTET Panering Sch s per N.B.C. Part-IV, revised 2	eme is
				FSO	rugram
47	Where electric cables, telephone cables, Dry/wet risers/ down comers pass through a floor or wall have space? (apertures) round the cables/pipes been effectively sealed plugged with noncombustible, fire resistive material.	vi	ire All shafts and all leakages to be de letter No. FAI 2018.	Fire resistive material will be used	33.311
4	8 Ventilation	ADFO	(AVQ)	a) Staircase and Lift Lobby above	
7	a) Whether Natural ventilation is relied upon? If so, give detail to the vents for the stairwell lift lobby and lishaft.	is	Natural Ventilation is permissible Staircase and Lift Lobbies above Ground Floor Level	G.F. naturally ventilated in tower in B1 B2 B3 B4 B5 B6 However In	

e Consultants Fire Ventilation Electrical Consultants
Paradise Consultants
(Fire - Ventilation & Electrical Consultants)

Architect Architect

Arcop Associates (P) Limited
Manish Regergy 95, Alchitect
Council of Architecture
Registration No. CA/95/1862 ssociates New Delhi

CSN Estate Palimite

		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
, i	o) Whether Mechanical ventilation has been proposed? If so give detail of the proposed system indicating the no. of air changers for the passement and upper floors.		Basement Ventilation to be done at 12 ACPH. Normal Ventilation at 6 ACPH and additional 6 ACPH for Smoke Ventilation.	Yes, The Upper Basement has mechanical exhaust system with 6 ACPH (Normal Exhaust) and additional 6 ACPH (Smoke Exhaust). The Fresh Air for Upper Basement shall be through suitaby sized shafts. The Lower Basement has mechanical exhaust and Fresh air system with 6 ACPH (Normal Exhaust/ Fresh Air) and additional 6 ACPH (Smoke Exhaust/ Fresh Air). b) In Tower A1 and A2, One staircase is pressurized at+50 Pa from surrounding, and one is naturally ventilated with the provision of railing.	
	c) Whether Mechanical ventilation is coupled with automatic alarm and detection system please give detail of the system		Required.	Yes. It is Coupled with Automatic Alarm and Detection System	
49	Wether Building is sprinklered or not.		Required	Yes, Basement and Tower A1 & A2 are sprinklered	
50	Please indicate the number and type of fire extinguishers provided a various locations and arrangement for the maintenance of the extinguishers.	t	Required	Each FHC has Water (gas pressure) type capacity 9 lts. (1 No.), CO2 type 4.5 Kg (1 No), Dry Chemical powder (1 No) near each FHC & in all electrical panels, pump rooms, CO2 type trolley mounted extingushers.	
51	Please indicate if all fire extinguishers bear the ISI certification mark.		ISI certification mark as per N.	that Fire Fighting Scheme is B.C. Part-IV, revised 2016	
52	Wether the Refuge Area has been provided? If so the floor on which provided and the total area provided floor wise	0,	a and my for accommodation when	Provided 15.35 sqm on 20th Floor of Tower A1 & A2, No of occupants @ typcal floor is 24, As per formulae [(24+24) x 0.3]+0.9=15.31rugram	
53	Are the occupants of the building systematically trained in fire prevention use of fire extinguishers and emergency procedures. If so, pleasing give details.	Fire F	ighting Scheme Approventer No. FAPQUIDE	Yes, training is to be provided to all the staff members and security guards. After completion of the	I
54	Does an emergency organization exits in the building? If so, please give details and appen a copy of the emergen (fire) orders	nd	Required	Organisation shall be placed at the time of operation	е
5	Has a qualified Fire Officer been appointed for the building - either individually or jointly w other buildings(s)		Required	Will be appointed	

For Faragise Consultants

Fire, Venitation Electrical Consultants

Paradise Consultants (Fire - Ventilation & Electrical Consultants) Architect
Arcop Asspciates (P) Limited
Manish Kr. Paggga, Architect
Council of Architecture
Registration No. CA/95/18626





		Earlier Fire Scheme Approved vide memo no. 3638 dtd. 24.10.2013	Requirement as Per NBC Part IV 2016	Proposed Provisions as per NBC Part IV 2016	Remarks
56	Has the Building been protected against lightening? If so does the same confirm to any code? Please indicate details		IS 2309 : 1989/ NFC C	Standalone type, Advanced technology early streamer (ESE) lightning protection as provided as ergenned (17a102 & UNE 21186 96. S per N.B.C. Part IV, revised	heme is 2016
57	Weather fire tender movement road shown around the tower as per		Required	Tuns throughout the site.	0

Signature of Fire.
Ventilation & Electrical

Name:

Organisation:

Place:

Dated:

Consultant

12-002018

Signature of Project Architect

Manish Kr. Bagga, Architect Council of Architecture

New Delhi

Gurugram

Registration No.

Fire Fi

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Dated

FO(HQ)

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(Fire - Ventilation & Electrical Consultants

Architect Arcop Asspciates (P) 1 Page 15

Manish Kr. Bagga, Architec Council of Architecture Registration No. CA/95/1862



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