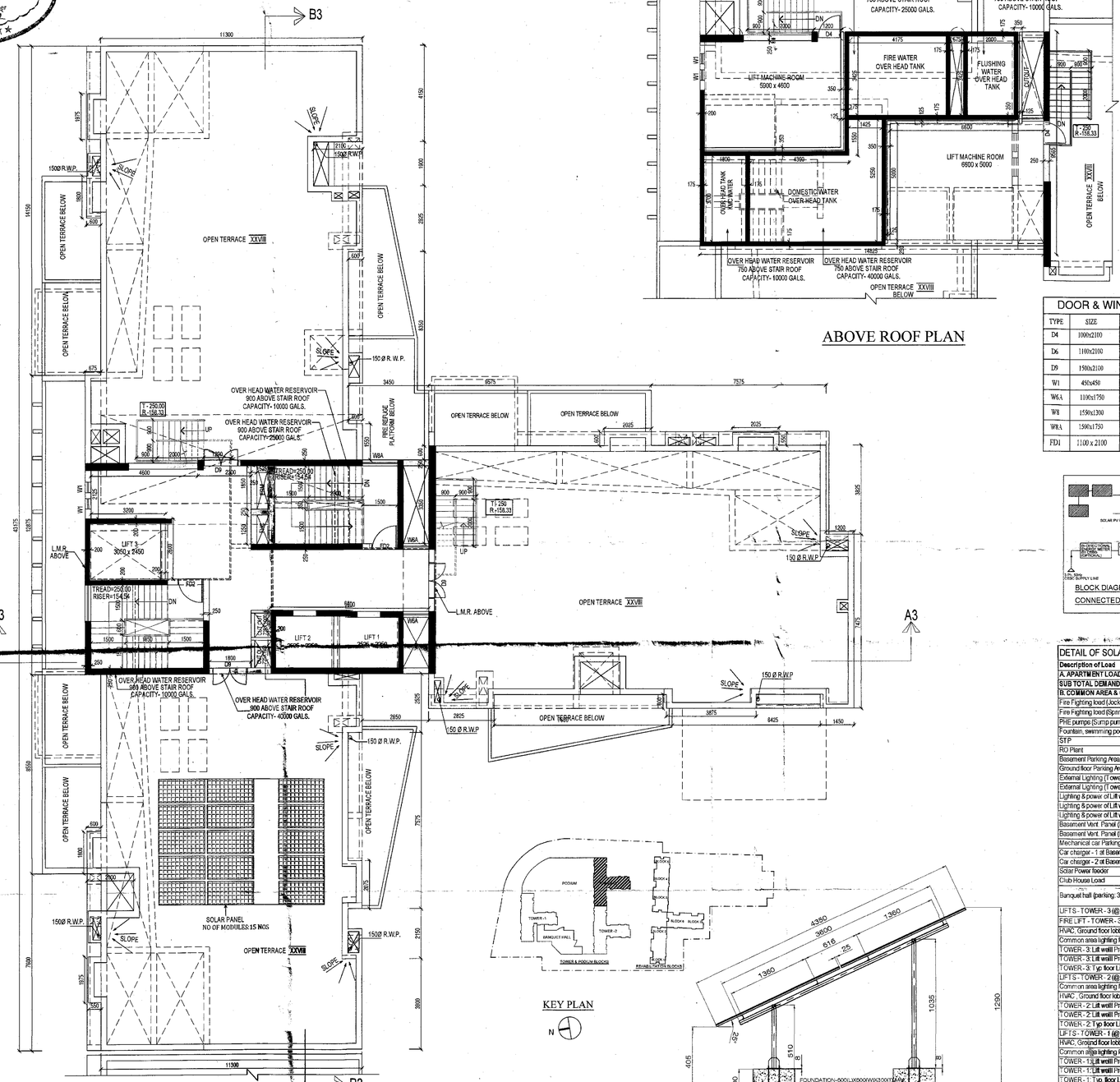
THE KOLKATA MUNICIPAL CORPORATION
BUILDING PERMIT
No. 2012030110 Date 13/12/2012 Borough No. IV
Ex. Engineer / Asst. Engineer
Bor. No. IV Bor. No. III
BUILDING DEPARTMENT



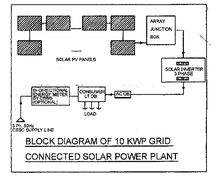
ABOVE ROOF PLAN

KEY PLAN

Sectional View Of Structure

DOOR & WINDOW'S SCHEDULE

TYPE	SIZE	SILL LVL	LINTEL LVL
D4	1000x2100	–	2100
D6	1100x2100	–	2100
D9	1500x2100	–	2100
W1	450x450	2100	2550
W6A	1100x1750	800	2550
W8	1550x1350	800	2100
W8A	1500x1750	800	2550
FD1	1100 x 2100		2100



BLOCK DIAGRAM OF 10 KWP GRID CONNECTED SOLAR POWER PLANT

DETAIL OF SOLAR POWER PLANT CALCULATION:

Description of Load		Ebl POWER Demand Load
A. APARTMENT LOAD		
SUB TOTAL DEMAND LOAD KW		**2056**
B. COMMON AREA & COMMON UTILITY LOAD		-
Fire Fighting load (Jockey pump load)		15.00
Fire Fighting load (Sprinkler, Hydrant)		FIRE LOAD
PHE pumps (Sump pump, domestic, municipal &		57.26
Fountain, swimming pool & water body - pump load		10.50
STP		11.20
RO Plant		9.10
Basement Parking Area Lighting	Tower-1/	5.25
Ground floor Parking Area Lighting	Tower -2 /	5.25
External Lighting (Tower - 1, 2, 3) - Ground floor level	Tower - 3 -	3.50
External Lighting (Tower - 1, 2, 3) - 1st floor level	Connectio	2.10
Lighting & power of Lift well - 1 (Tower - 3)	n from	1.05
Lighting & power of Lift well - 2 (Tower - 3)	Tower - 3	1.05
Lighting & power of Lift well - 3 (Tower - 3)		1.05
Basement Vent. Panel (Normal)		14.00
Basement Vent. Panel (Fire mode)		FIRE LOAD
Mechanical car Parking		24.00
Car charger - 1 at Basement		6.00
Car charger - 2 at Basement		6.00
Solar Power feeder		-
Club House Load	Tower - 1/	15.00
Banquet hall (parking: 3500 SFt., GF &1F: 75000SFt.)	Tower - 1/ 2 / 3	32.55
LIFTS - TOWER - 3 (@15KW EACH)		21.00
FIRE LIFT - TOWER - 3 (15KW)		10.50
HVAC, Ground floor lobby, Tower - 3		12.60
Common area lighting for Tower - 3	Tower - 3	3.50
TOWER - 3: Lift well Pressurization - 1 (Passenger lifts)		FIRE LOAD
TOWER - 3: Lift well Pressurization - 2 (Service Lift)		FIRE LOAD
TOWER - 3: Typ. floor Lift lobby Pressurization		FIRE LOAD
LIFTS - TOWER - 2 (@15KW EACH)		31.50
Common area lighting for Tower - 2		3.50
HVAC, Ground floor lobby, Tower - 2	Tower - 2	12.60
TOWER - 2: Lift well Pressurization - 1 (Passenger lifts)		FIRE LOAD
TOWER - 2: Lift well Pressurization - 2 (Service Lift)		FIRE LOAD
TOWER - 2: Typ. floor Lift lobby pressurization		FIRE LOAD
LIFTS - TOWER - 1 (@15KW EACH)		31.50
HVAC, Ground floor lobby, Tower - 1		12.60
Common area lighting for Tower - 1	Tower - 1	3.50
TOWER - 1: Lift well Pressurization - 1 (Passenger lifts)		FIRE LOAD
TOWER - 1: Lift well Pressurization - 2 (Service Lift)		FIRE LOAD
TOWER - 1: Typ. floor Lift lobby Pressurization		FIRE LOAD
		363
TOTAL DEMAND LOAD , KW - APARTMENT + COMMON		***2419***
1% OF TOTAL LOAD IS FROM SOLAR		***24***
TOTAL SOLAR PLANT INSTALLED		***24***
LOAD OF PER SOLAR MODULE (WP)		***540***
NUMBER OF PANELS REQUIRED		***45***

DECLARATION OF GEO-TECHNICAL ENGINEER:

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFY THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM.PROPOSED HEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW

JISHNU PAL
B.Tech (Civil), M.E (Geo-tech)
KMC Reg. No: G.T/I/32
GTER/NKDA/10/0043
22/RJSON/G-T-1/2016-17
HMC Reg. No: EGTE/CLASS-I/15

SIGNATURE OF GEO-TECHNICAL ENGG.

I HAVE REVIEWED / CHECKED THE STRUCTURAL DRAWING AND DESIGN DETAILS OF THIS PROJECT WHICH HAS BEEN DONE COMPLYING RELEVANT I.S. CODE INCLUDING SEISMIC AND THE NATIONAL BUILDING CODE. I CERTIFY THAT THE STRUCTURE WILL BE SAFE & STABLE AGAINST ALL VERTICAL AND LATERAL LOADS AND WILL BE FIT FOR HABITABLE USE.

UTPAL SANTRA
B. C. E., M. C. E. (STRUCT.)
F. I. E.- F1212601
KMC Empanelled Structural Reviewer
E. S. R - (I) 58/10

SIGN. OF STRUCTURAL REVIEWER.

CERTIFICATE OF STRUCTURAL ENGINEER.

THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

SUMITA DEY
M.C.E, M.I.E., C.E.
ESE/I/93

SIGNATURE OF STRUCTURAL ENGG.

WE DO HERE BY UNDERTAKE WITH FULL RESPONSIBILITY THAT - (1) WE SHALL ENGAGE ARCHITECT & E.S.E DURING CONSTRUCTION. (2) WE SHALL FOLLOW THE INSTRUCTION OF ARCHITECT & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER B.S PLAN). (3) K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE. (4) IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE FAKE, THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. (5) THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK WILL BE UNDER THE GUIDANCE OF ARCHITECT / E.S.E .

For Kolkata Metropolitan Development Authority
(Hari Prasad Sharma)
Constituted Attorney

SIGNATURE OF OWNER.

I HEREBY CERTIFY THAT THE ERECTION OF BUILDING ON PREMISES NO. P-1/3 C.I.T. SCHEME (VII - M), KOLKATA-700054 IS UNDER MY SUPERVISION. I ALSO CERTIFY THAT THE PROPOSED CHANGES IN LAYOUT HAS BEEN DRAWN AS PER PROVISION OF K.M.C BUILDING RULES 2009.

SUBIR KUMAR BASU
Registered Architect
Regn. No.- CA/78/4375

SIGNATURE OF ARCHITECT.

PROJECT-
PROPOSED ADDITION OF 4 NOS. FLOOR (HT.-110.1 M.) OVER AN EXISTING B+G+27 STORIED(3 NOS TOWERS) RESIDENTIAL BUILDING WITH PODIUM AND G+V & G+VI STORIED REHABILITATION BLOCK U/S 394 OF K.M.C. ACT1980 READ WITH 69A(I)(a). ALONG WITH U/R 26(2a)&(2b)OF K.M.C. BUILDING RULE 2009 AT PREMISES NO. P-1/3 C.I.T. SCHEME (VII - M) , MANICKTALA, WARD - 32, BOROUGH - III, KOLKATA -700 054 .

PREVIOUS B.P. NO. 2012030110, DATED 23.03.13.
SUBSEQUENTLY REVALIDATED FURTHER 5 YEARS

ARCHITECTS:-

Subir Kumar Basu
4, Broad Street, kolkata - 700019
(T) +91 33 22870333, (F) +91 33 22833043
(E) basu_subirkumar@yahoo.com

Discipline: ARCHITECTURAL

Drawing Title: ROOF PLAN OF TOWER-3

Designed:	Drawn:	Checked:	Approved:
	D.PAL	R.BASU	S. K. BASU

Drawing No: SKB/MANIK/MANICKTALA/AR/KMC/T3/13
Sheet size & Scale: A1 & 1:100
Sheet NO. 13
Rev. 0
Date 15/11/2021

PARTY'S COPY

13

Plan for Water Supply arrangement including SEMILI G. & O. H. reservoirs should be submitted at the Office of the Ex-Engineer Water Supply and the sanction obtained before proceeding with the work of Water Supply any deviation may lead to disconnection/demolition.

No rain water pipe should be fixed or discharged on Road or Footpath.
Drainage plan should be submitted at the Borough Executive Engineer's Office and the sanction obtained before proceeding with the drainage work.

A suitable pump has to be provided i.e. pumping unfiltered water for the distribution to the flushing cisterns and urinals in the building incase unfiltered water from street main is not available.

THE KOLKATA MUNICIPAL CORPORATION
BUILDING PERMIT
No. 2023030053
Date 13.10.2023 Borough No. III
Ex. Engineer / Asst. Engineer
Bor. No. III Bor. No. III
★ BUILDING DEPARTMENT ★

Recommended in M. B. C
Meeting No. 615
Item No. 10/23-24
Dated 13.04.2023

DEVIATION WOULD MEAN DEMOLITION

Design of all Structural Members including that of the foundation should conform to Standards specified in the National Building Code of India

All Building Materials to necessary & construction should conform's to standered specified in the National Building Code of India.

CONSTRUCTION SITE SHALL BE MAINTAINED TO PREVENT MOSQUITO BREEDING AS REQUIRED U/S 496 (1) & (2) OF CMC ACT 1980 IN SUCH MANNER SO THAT ALL WATER COLLECTION & PARTICULARLY LIFT WELLS, VATS BASEMENT CURING SITES, OPEN RECEPTACLES ETC MUST BE EMPITED COMPLETELY TWICE A WEEK.

The building materials that will be stacked on Road/Passage or Foot-path beyond 3-months or after construction of G. Floor, whichever is earlier may be seized forthwith by the K.M.C. at the cost and risk of the owner.

Before starting any Construction the site must conform with the plans sanctioned and all theconditions as proposed in the plan should be fulfilled.
The validity of the written permission to execute the work is subject to the above conditions.

THE SANCTION IS VALIED UP TO 12.10.2028

APPROVED BY M.B.C.
Dated 13.04.2023

No:- B/13/III/23-24 dt:- 13.10.2023

KOLKATA MUNICIPAL CORPORATION
BUILDING DEPTT.
PLANS APPROVED U/R 26 (2a) & (2b) of C.M.C. BUILDING RULES ~~1990~~ 2009
B.P. No. 2012030110 Br. No. III Dt. 23.03.2013
Assistant Engineer Br. No. : III
Ex. Engr. (Civil) Br. No. : III

Non Commencement of Erection/ Re-Erection within Five year will Require Fresh Application for Sanction

The sanction refers to the proposed portion shown in red and the Executive Engineers makes no admission as to the correctness of the plan.

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

Building Department
Borou... III, K.M.C.
Date. 13.10.23 Sign.
Con... Not...