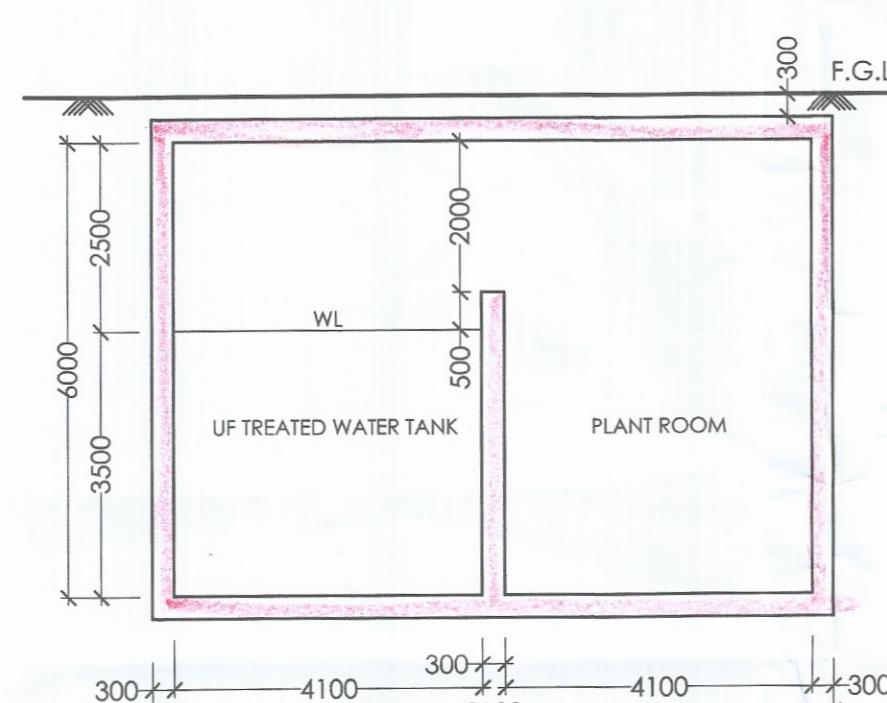
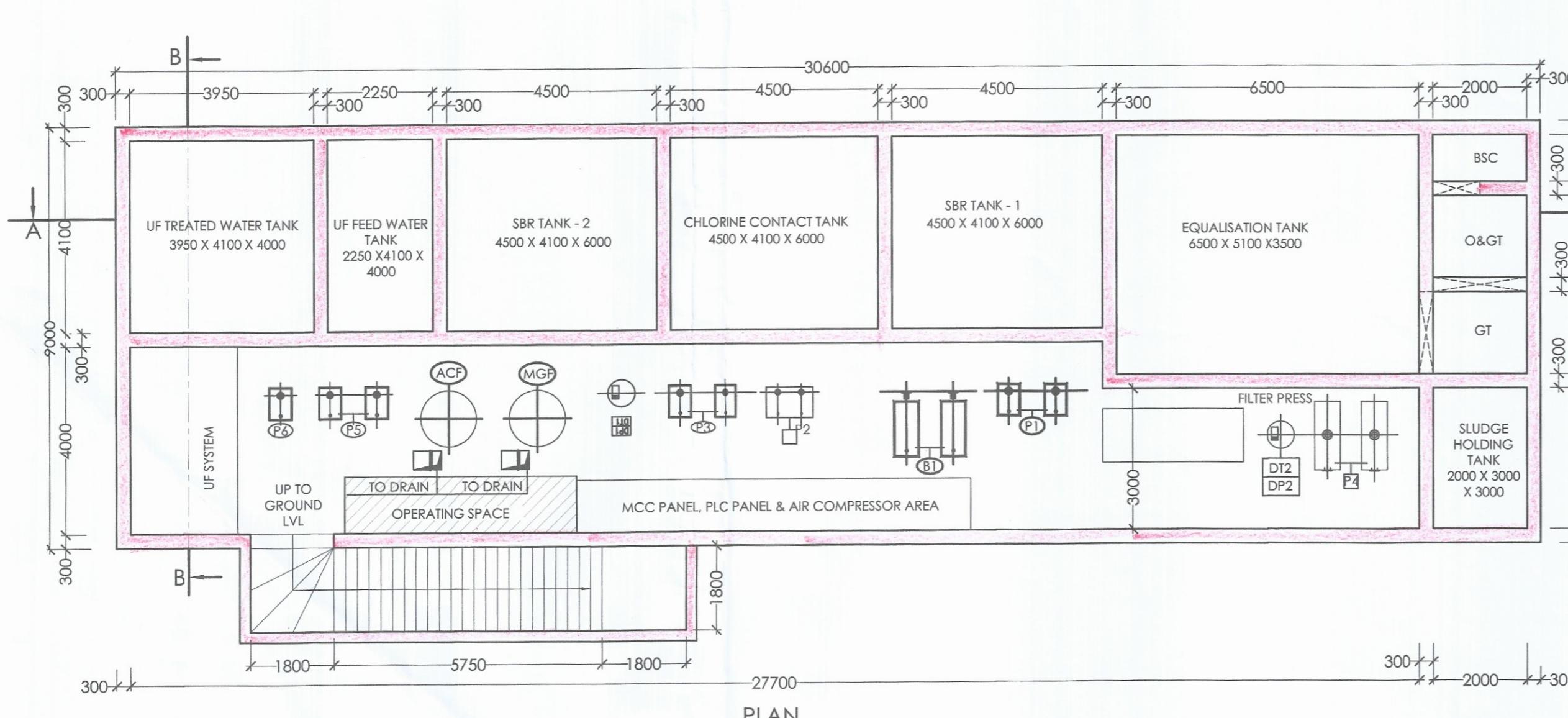


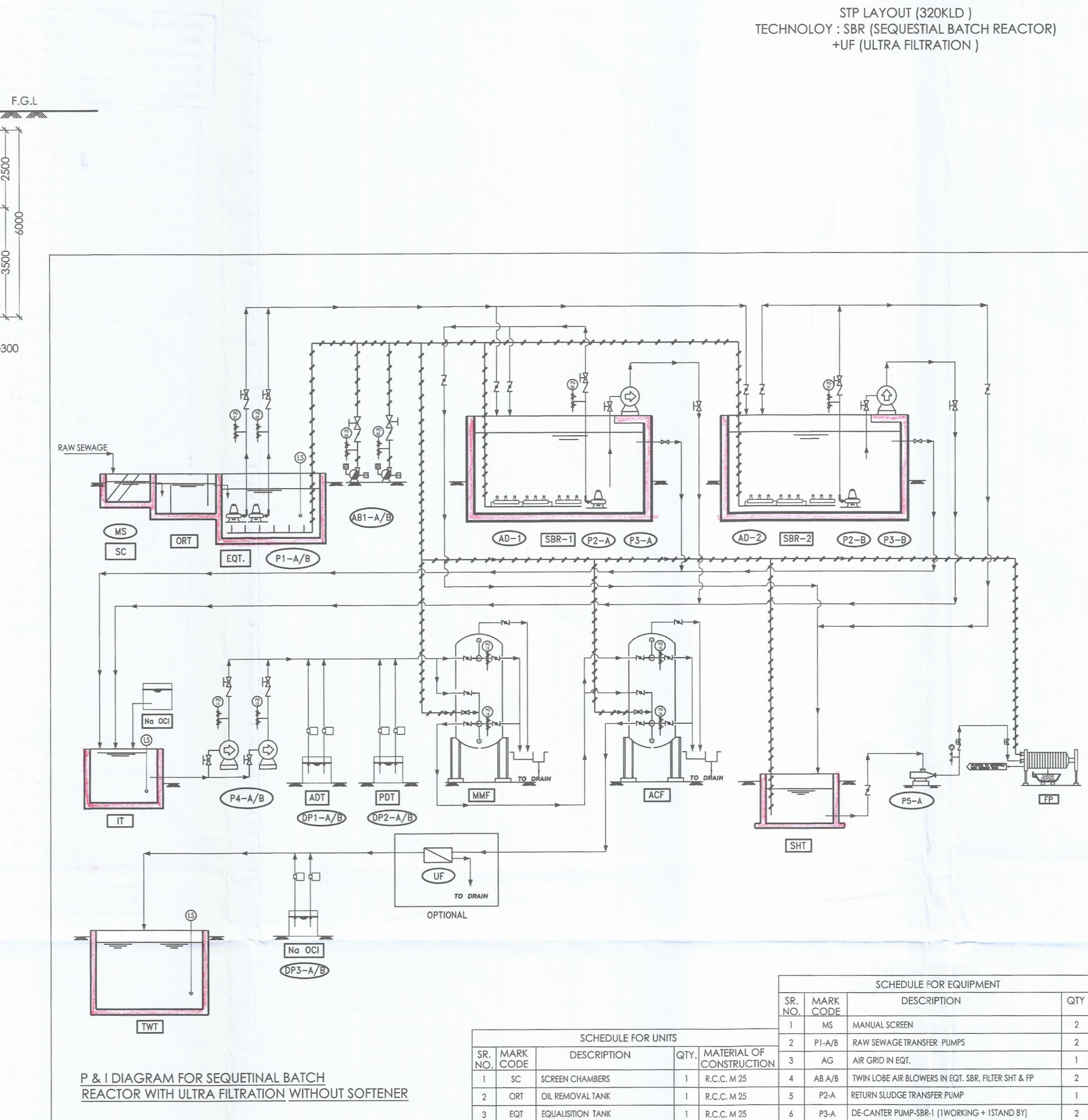
SECTION 'A-A'



SECTION 'B-B'



PLAN



P & I DIAGRAM FOR SEQUENTIAL BATCH REACTOR WITH ULTRA FILTRATION WITHOUT SOFTENER

STP LAYOUT (320KLD)
TECHNOLOGY : SBR (SEQUENTIAL BATCH REACTOR)
+UF (ULTRA FILTRATION)

THIS DRAWING IS A PRIVATE AND CONFIDENTIAL COMMUNICATION AND THE PROPERTY OF MANIRAMKA AND ASSOCIATES AND MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF MANIRAMKA AND ASSOCIATES.

CERTIFICATE OF ARCHITECT

I CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS AMENDED FROM TIME TO TIME AND THE CONSTRUCTION INCLUDING WIDTH OF THE ABUTTING ROAD IS IN CONFORMITY WITH THE PLANS AND DRAWINGS AS DRAWN AND MISSED & VERIFIED BY ME IT IS A BUILDABLE SITE WITH NO TANK OR FILLED UP TANK. THE LAND IS DEMARCATED BY BOUNDARY WALL. EXISTING STRUCTURE SHALL BE DEMOLISHED BEFORE COMMENCEMENT OF THE CONSTRUCTION WHICH IS FULLY OCCUPIED BY THE OWNER & TENANTS.

Sunil Maniramka
SUNIL MANIRAMKA, (B.Arch.)
Consulting Architect
Council of Architecture (Regn. No. CA/83/16636)

SIG. OF ARCHITECT

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN & DRAWING OF THE BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL THE POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS STABLE IN ALL RESPECT.
STRUCTURAL REPORT HAS BEEN DONE BY SKM GEOSURVEY, 8K, SALTAKA, KOLKATA-700091. THE RECOMMENDATION OF REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SANJAY PAREKH
M.E.(STRUCT.), M.E.(CONST. ENG.),
B.C.E., F.I.E.-(F-018202-4)
E. S. E. No. 104 (I) K. M. C.

SIG. OF STR. ENGINEER

CERTIFICATE OF STRUCTURAL REVIEWER

THIS IS TO CERTIFY THAT I HAVE REVIEWED THE STRUCTURAL DESIGN OF PROPOSED PREMISES CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER PROVISION OF RELEVANT IS CODE AND IT IS ALSO CERTIFIED THAT THE BUILDING IS SAFE AND STABLE IN ALL RESPECT.

SANJIB GUHA
BSC, BCE, FIE-(F-115654-5)
CHARTERED ENGINEER
ENLISTED STRUCTURAL
REVIEWER 88/16 K.M.C.

SIG. OF STR. REVIEWER

CERTIFICATE OF THE GEO-TECHNICAL ENGINEER

IT IS CERTIFIED THAT THE COMPREHENSIVE GEO-TECHNICAL REPORT ON SOIL INVESTIGATION HAS BEEN PREPARED BY ME FOR DESIGN AND CALCULATION OF THE FOUNDATION BY ANALYZING THE SOIL SAMPLE FOR ESTIMATING THE BEARING CAPACITY OF THE SOIL ON WHICH FOUNDATION OF THE STRUCTURE IS TO BE CONSTRUCTED.
I SHALL ALSO CHECK THE NATURE OF THE SOIL AFTER EXCAVATION AT SITE SO THAT FOUNDATION IS EXTENDED UP TO APPROPRIATE DEPTH THAT HAS BEEN PROPOSED IN THE GEO-TECHNICAL REPORT.

JISHNU PAL
B.Tech (Civil), M.E.(Geo-tech)
KMC Reg. No: G.T/1/043
GTER/NKDA/10/0043
22/IRJSGN/G-T/1/2015-17
HMC Reg. No: EG/T/CLASS-I/15

SIG. OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF OWNER

WE DO HEREBY UNDERTAKE WITH FULL RESPONSIBILITY THAT -
1) WE SHALL ENGAGE L.B.A. & E.S.E DURING CONSTRUCTION.
2) WE SHALL FOLLOW THE INSTRUCTION OF L.B.A. & 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 & ADJACENT STRUCTURES.
4) IF ANY DOCUMENTED DRAWINGS ARE FOUND TO BE FAKE, THE K.M.C. AUTHORITY WILL REVOKE THE SANCTION PLAN.
5) THE CONSTRUCTION OF WATER RESERVOIR AND STP WILL BE UNDER THE GUIDANCE OF L.B.A. / E.S.E. BEFORE STARTING OF BUILDING FOUNDATION WORK.

For Bengal Bonded Warehouse Limited
Signature
SIG. OF OWNER

AMENDED PLAN OF PROPOSED G+39 (155.00 MT HT.) STORED 'MEGA COMMERCIAL PROJECT AT PREMISES NO: 25, NETAJI SUBHAS ROAD, WARD NO - 45, BOROUGH -V, P.S. - HARE STREET, KOLKATA - 700001. UNDER KOLKATA MUNICIPAL CORPORATION.

AS PER SECTION 412A OF KOLKATA MUNICIPAL CORPORATION ACT 1980. READ WITH SECTION 394 OF KMC ACT 1980 ALONG WITH RULE 26 (2a & 2b) OF KMC BUILDING RULE 2009

PREVIOUS KMC SANCTION PERMIT NO : 2023050011 DATED : 21.07.2023 FOR BUILDING HEIGHT (G+32) 127.20 MT

SANCTION DRAWING

DETAIL OF STP

STRUCTURAL ENGINEER :
SPA CONSULTANTS (SPA)
34 RAMMOHAN DUTTA ROAD, KOLKATA-700020
WEST BENGAL, INDIA
Email: spa_cons@yahoo.co.in

DATE : 26.09.2024 | SCALE: 1:100 | DEALT: MAHUA | DRG.NO:25 N.S ROAD/SD/47

ARCHITECTS :
MANIRAMKA AND ASSOCIATES
74 B, A. J. C. BOSE ROAD, KOLKATA-700016
PHONE : (033) 2217 8329
E-mail: maniramka.associates@gmail.com
www.maniramkaarchitect.com

SHEET 47

EQUIPMENT LIST				
MARK	DESCRIPTION	SIZE / CAPACITY	NO.OFF	WORKING WT IN Kgs/UNIT
BS	BAR SCREEN	1000 x 1500	2	-
BSC	BAR SCREEN CHAMBER	1000 x 2000 x 1500	1	-
O>	OIL & GREASE TANK	1750 x 2000 x 2000	1	-
GT	GRIT TANK	1750 x 2000 x 2000	1	-
EQT	EQUALISATION TANK	5100 x 6000 x 3500	1	-
B1	EQT & SBR AIR BLOWER	259.0 m³/hr @ 0.50 kg/cm²	2	300 EACH
P1	SBR FEED PUMP	14.0 m³/hr @ 10 mwc	2	300 EACH
SBR-1&2	SBR TANK-1&2	4500 L x 1400 W x 6000 H	2	-
DC-1&2	FLOATING DECANTER	80.0 m³/hr	2	-
DT1	NaOCl DOSING TANK	200 UTS	1	225
DP1	NaOCl DOSING PUMP	17.0 LPH @ 3.5 KG/CM²	1	-
CCT	CHLORINE CONTACT TANK	4100 x 4500 x 2500 SWD	1	-
P2	MFG FEED PUMP	15.0 m³/hr @ 30 mwc	2	300 EACH
MGF	MULTIGRADE FILTER	1200 DIA x 1875 HOS	1	-
ACF	ACTIVATED CARBON FILTER	1200 DIA x 1875 HOS	1	-
P3	SLUDGE TRANSFER PUMP	AS SUITABLE	2	300 EACH
SHT	SLUDGE HOLDING TANK	2000 x 3000 x 3000	1	-
P4	FILTER PRESS FEED PUMP	AS SUITABLE	2	300 EACH
DT2	POLYMER DOSING TANK	AS SUITABLE	1	225
DP2	POLYMER DOSING PUMP	AS SUITABLE	1	-
FP	FILTER PRESS	AS SUITABLE	1	-
P5	UF FEED PUMP	AS SUITABLE	2	300 EACH
UF	ULTRA FILTRATION SYSTEM	AS SUITABLE	1	-
P6	UF BACKWASH PUMP	AS SUITABLE	1	300 EACH

PARTY'S COPY

DETAIL OF STP

Plan for Water Supply arrangement including SEMILLI 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.

Before starting any Construction the site must conform with the plans sanctioned and all the conditions 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 refers to the proposed portion shown in red and the Executive Engineers makes no admission as to the correctness of the plan.

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 KMC at the cost and risk of the owner.

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.

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



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

CONSTRUCTION SITE SHALL BE MAINTAINED TO PREVENT MOSQUITO BREEDING AS REQUIRED US 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 EMPTIED COMPLETELY TWICE A WEEK.

BUSINESS BUILDING
THE SANCTION IS VALIDED UP TO 27.9.2029

DEVIATION WOULD MEAN DEMOLITION
Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction

Approved By: *KMC Meeting No. 63*
The Building Committee *No. 44/24-25*

Sl. No. 32/ Building No. K/2024-25/ dt. 28/9/2024

