

Shillong Smart City Limited

Shillong, Meghalaya

Bidding Document

for

**Construction of Rainwater Harvesting
System at various locations in Shillong, East
Khasi Hills District, Meghalaya
under Smart Cities Mission**

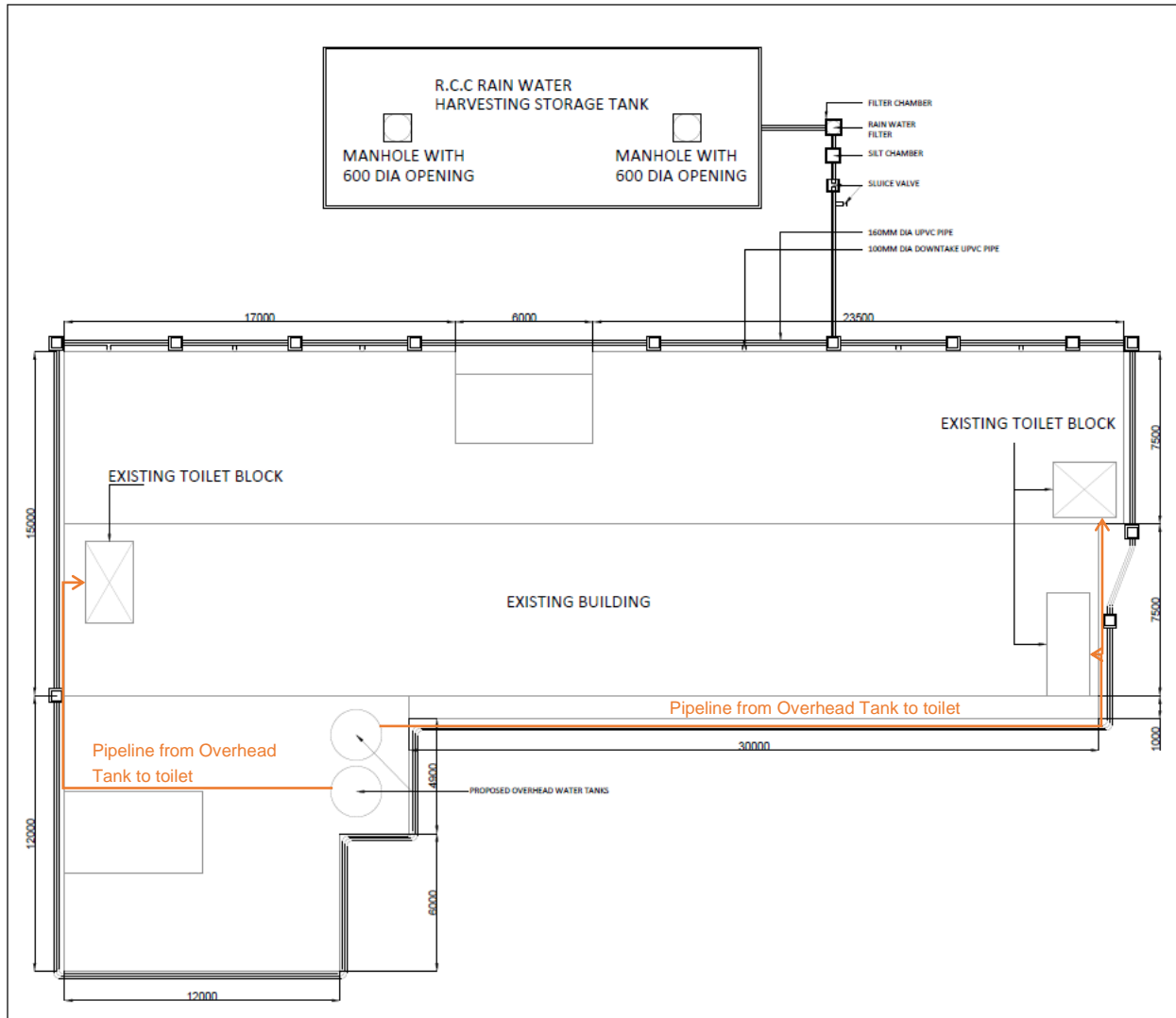
Drawings (Section 6 of RFP document)

Tender No.: SSCL/Tender/2020-21/MEG-SHI-014

Office of the Shillong Smart City Limited

House No. C/B-037, Top Floor,
Centre Nongrim Hills, Near JJ Cables, Shillong,
East Khasi Hills District, Meghalaya – 793003

Typical arrangement of proposed Rain Water Harvesting System



Key Plan

Legend

Client/Owner
SHILONG SMART CITY LIMITED
 Submitted by/
 Consultant
 Structure Consultant
 Electrical Consultant
 Fire Fighting & Plumbing Consultant

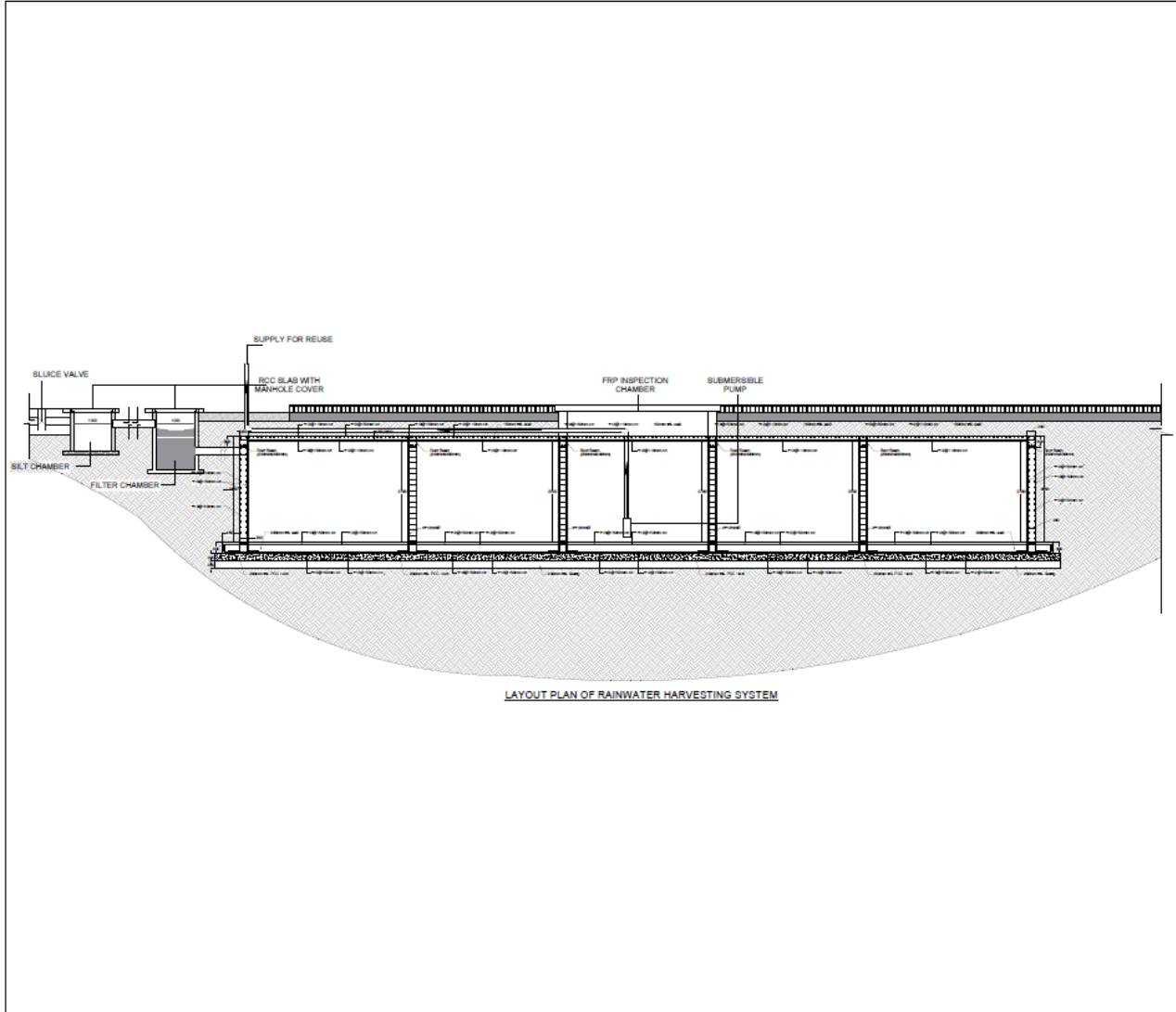
Project
 Construction of R.C.C Rainwater Harvesting System

Rev	Date	Description	Approv

Revision Index
 Drawing Title
 TYPICAL ARRANGEMENT OF PROPOSED RAIN WATER HARVESTING SYSTEM

Date	Drawn
Scale	Sheet Size
A3	Approved

Dwg. No. **IP/SS/CL/FWD-01** Revision



Key Plan

Legend

Client/Owner
SHILLONG SMART CITY LIMITED

Submitted by

Consultant

Structure Consultant

Technical Consultant

Electrical & Plumbing Consultant

Project
Construction of R.C.C Rainwater Harvesting System

Rev.	Date	Description	Approval

Revision Index

Drawing Title
DETAILS OF RWH SYSTEM

Date	Drawn	Checked	Approved
Scale	Sheet Size	A3	

Dwg. No.
IP/SSCL/PWD-02

Revision

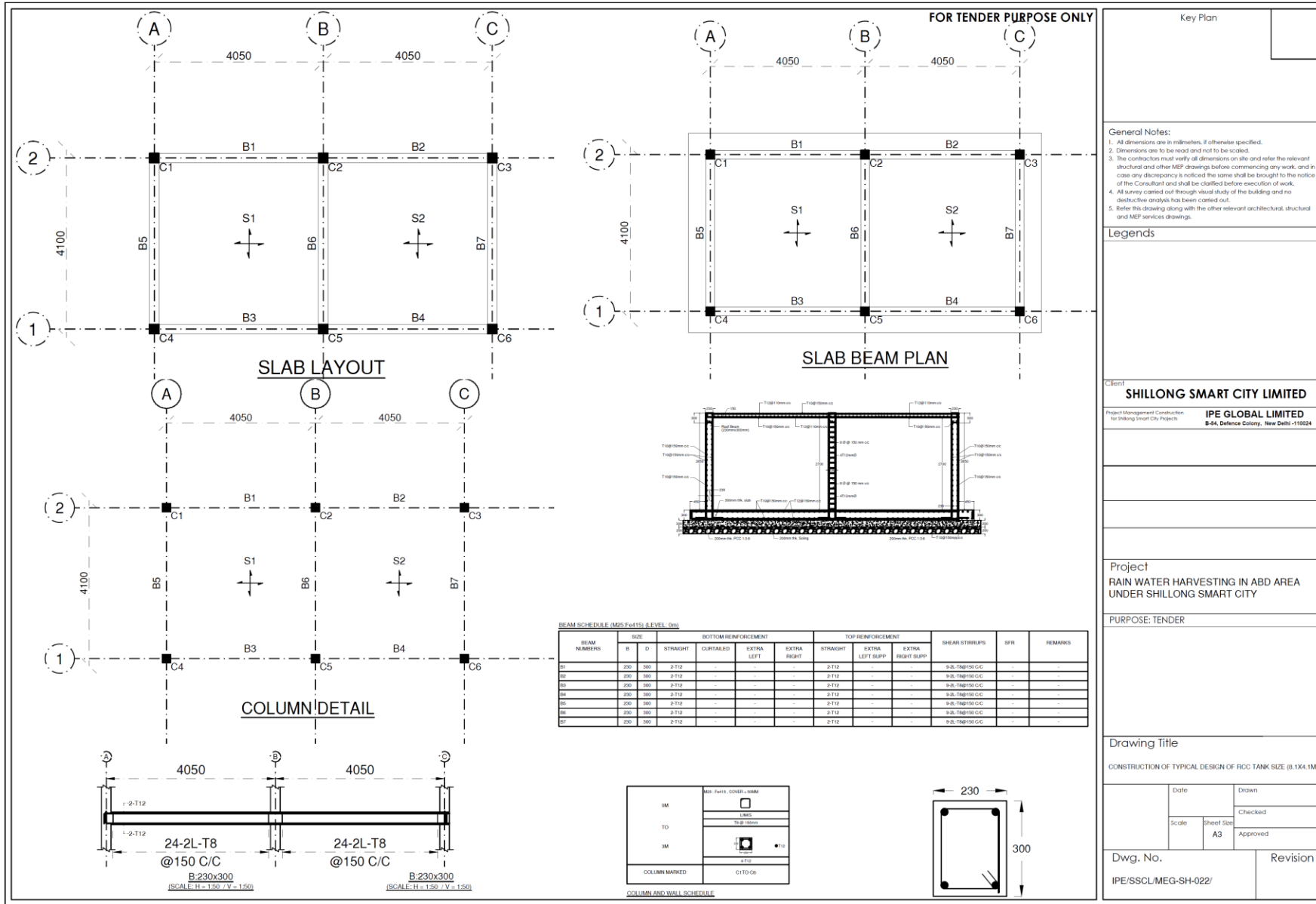
Typical Designs of RCC Water Tanks

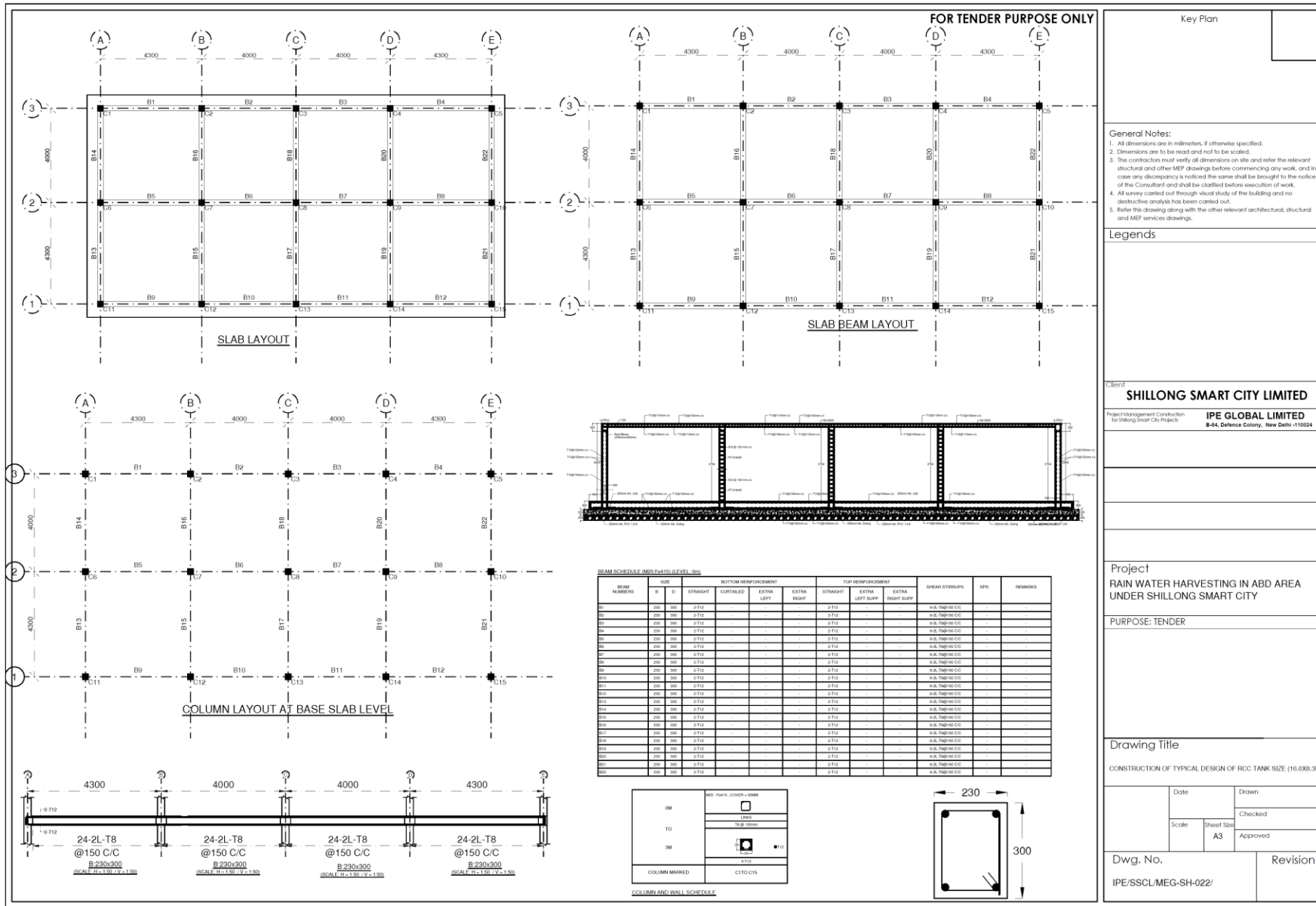
Given the requirement of constructing different sizes of RCC water tanks across various buildings, the water tanks are classified under the nine (9) different sizes for the tender purpose.

The different sizes of Water Tanks for which typical design of RCC tanks are shown in the table below:

S.No.	Drawing Name	Tank Sizes (Sq.m)
1	Tank Size 1	7.2 X 3.6
2	Tank Size 2	8.1 X 4.1
3	Tank Size 3	16.6 X 8.3
4	Tank Size 4	19.5 X 9.7
5	Tank Size 5	20.5 X 10.2
6	Tank Size 6	26 X 33.3
7	Tank Size 7	26.5 X 13.3
8	Tank Size 8	27.6 x 13.8
9	Tank Size 9	47.4 X 23.7

Typical design of the above-mentioned tanks are given in the subsequent section.





FOR TENDER PURPOSE ONLY

Key Plan

General Notes:

- All dimensions are in millimeters, if otherwise specified.
- Dimensions are to be read and not to be scaled.
- The contractor must verify all dimensions on site and refer the relevant structural and other MEP drawings before commencing any work, and in case any discrepancy is noticed the same shall be brought to the notice of the Consultant and shall be clarified before execution of work.
- All survey carried out through visual study of the building and no destructive analysis has been carried out.
- Refer this drawing along with the other relevant architectural, structural and MEP services drawings.

Legends

Client
SHILLONG SMART CITY LIMITED

Project Management Construction for Shillong Smart City Project
IPE GLOBAL LIMITED
B-44, Defence Colony, New Delhi -110024

Project
RAIN WATER HARVESTING IN ABD AREA UNDER SHILLONG SMART CITY

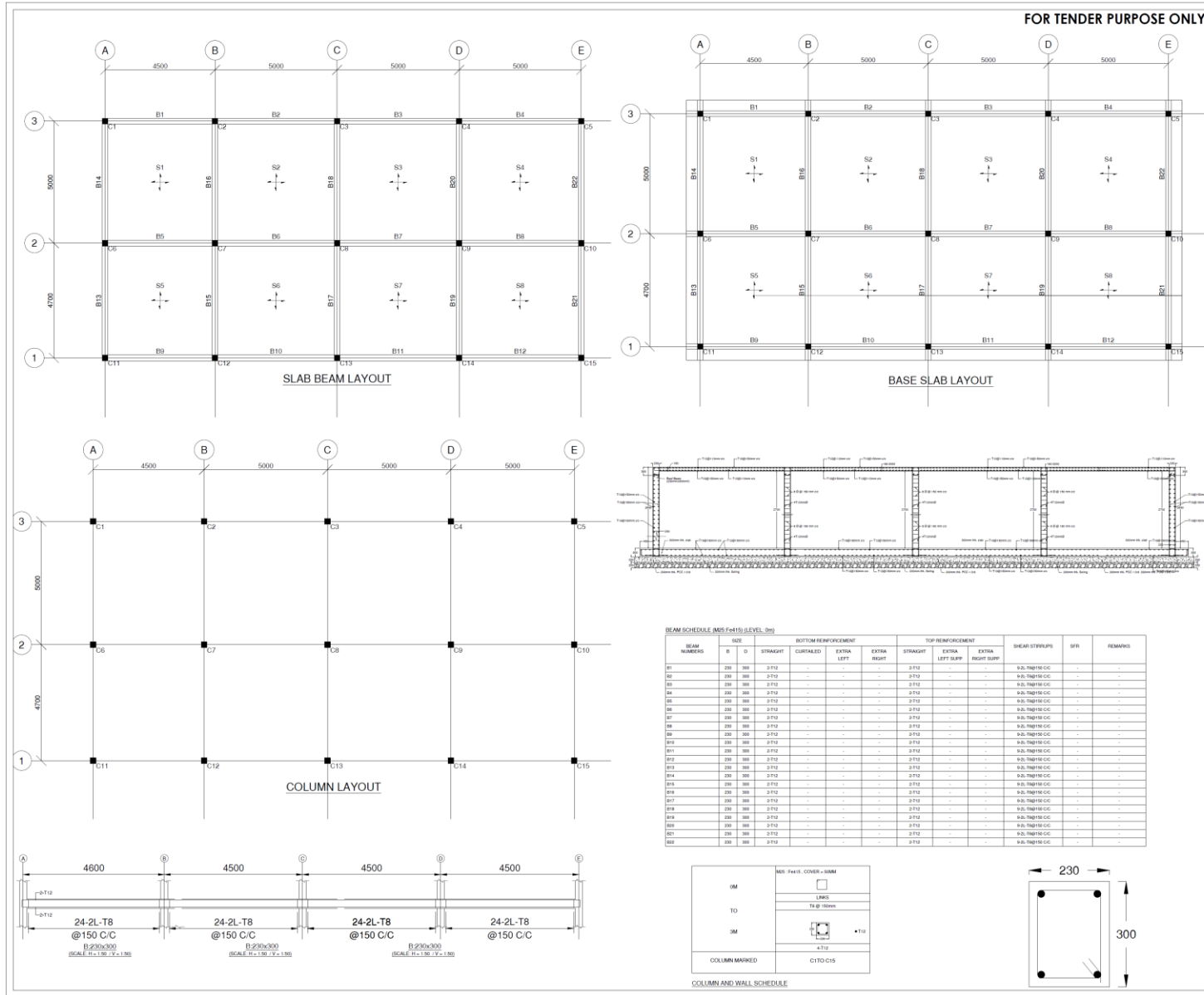
PURPOSE: TENDER

Drawing Title
CONSTRUCTION OF TYPICAL DESIGN OF RCC TANK SIZE: 10.00x3.00M

Date	Drawn
Scale	Checked
Sheet Size A3	Approved

Dwg. No.
IPE/SSCL/MEG-SH-022/

Revision



Key Plan

General Notes:

- All dimensions are in millimeters, if otherwise specified.
- Dimensions are to be read and not to be scaled.
- The contractor must verify all dimensions on site and refer the relevant structural and other MEP drawings before commencing any work, and in case any discrepancy is noticed the same shall be brought to the notice of the Consultant and shall be clarified before execution of work.
- All survey carried out through visual study of the building and no destructive analysis has been carried out.
- Refer this drawing along with the other relevant architectural, structural and MEP services drawings.

Legends

Client
SHILLONG SMART CITY LIMITED

Project Management Construction
for Shillong Smart City Projects
IZE GLOBAL LIMITED
B-24, Defence Colony, New Delhi - 110024

Project
RAIN WATER HARVESTING IN ABD AREA UNDER SHILLONG SMART CITY

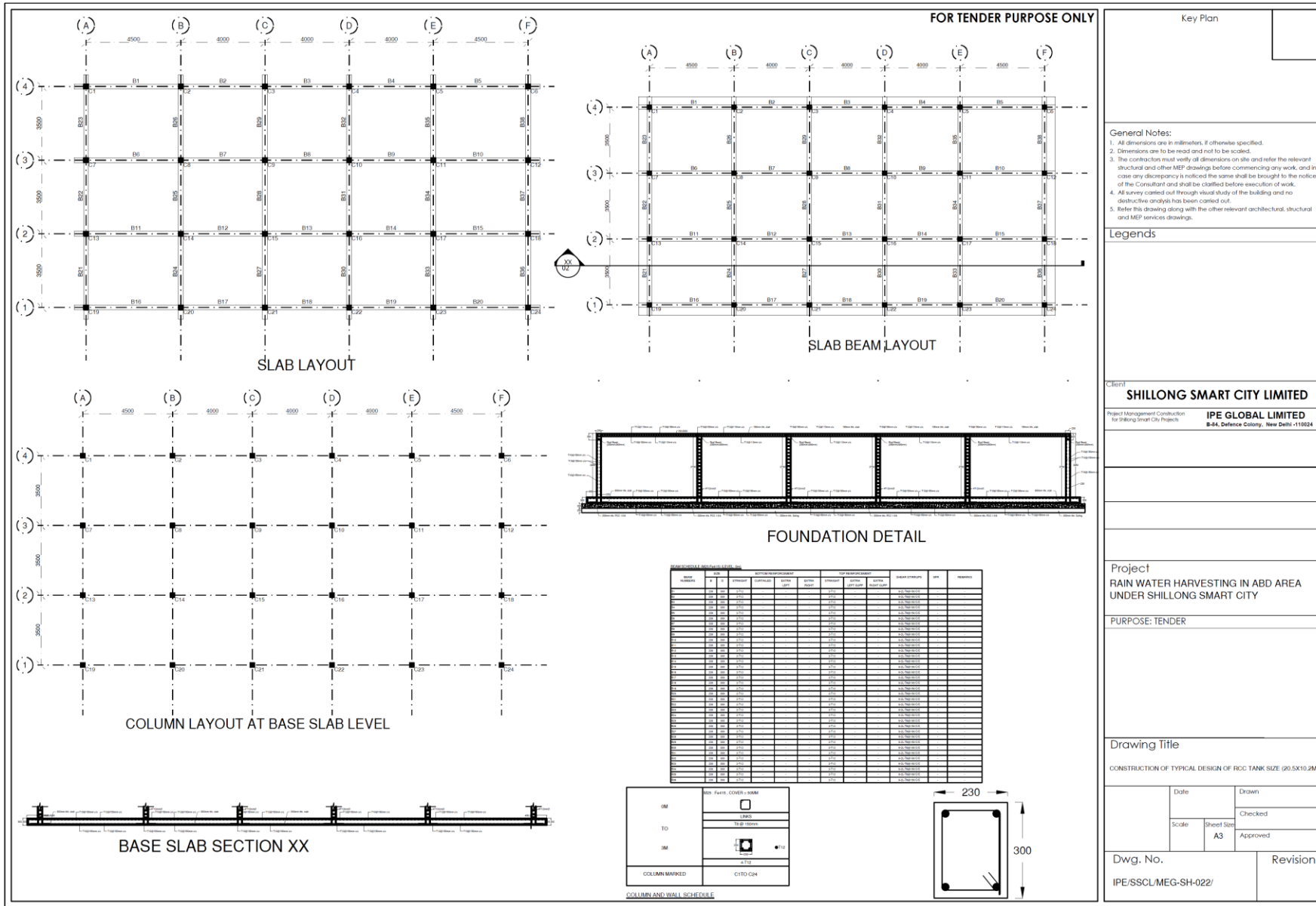
PURPOSE: TENDER

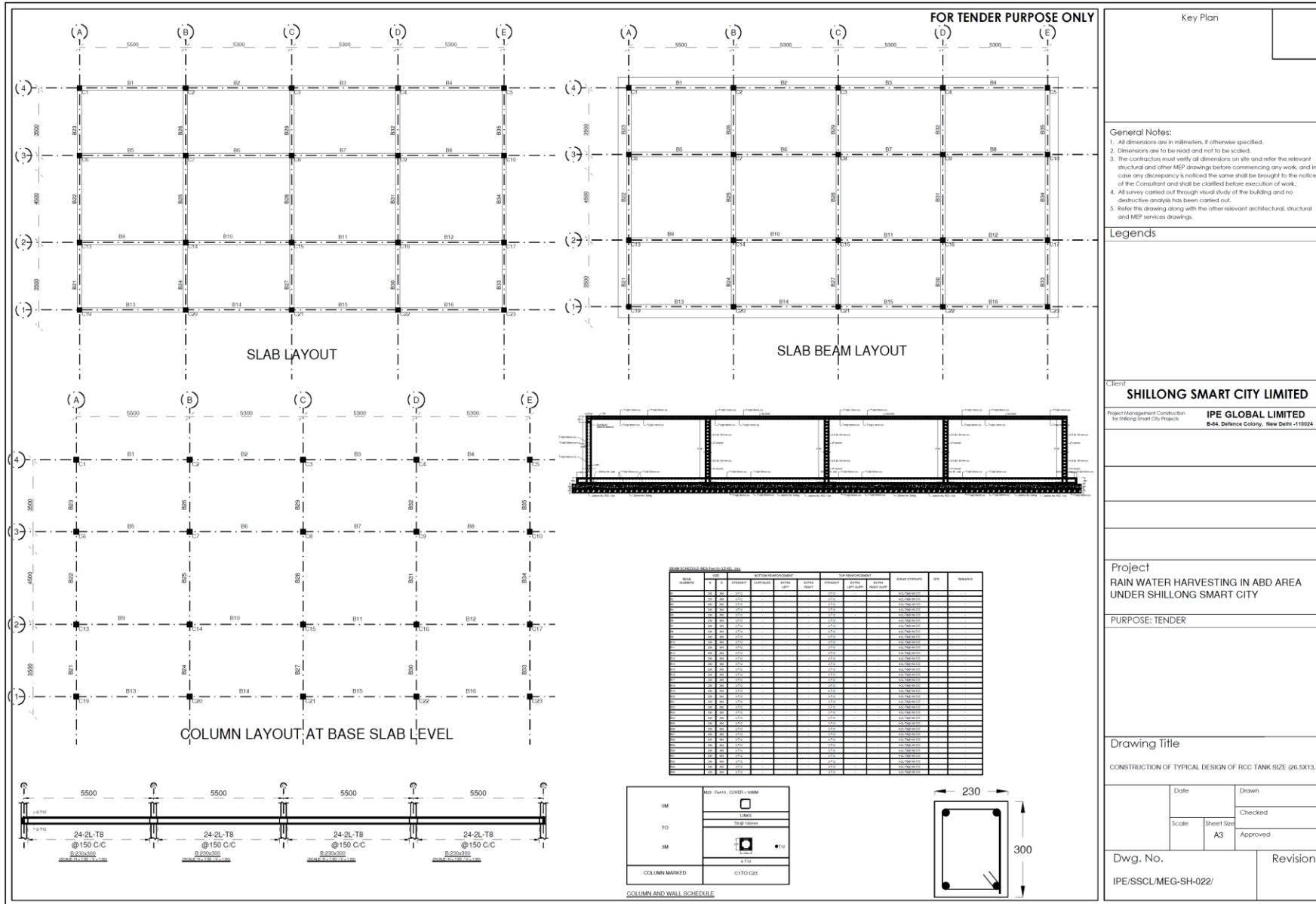
Drawing Title
CONSTRUCTION OF TYPICAL DESIGN OF RCC TANK SIZE (19.5X9.7M)

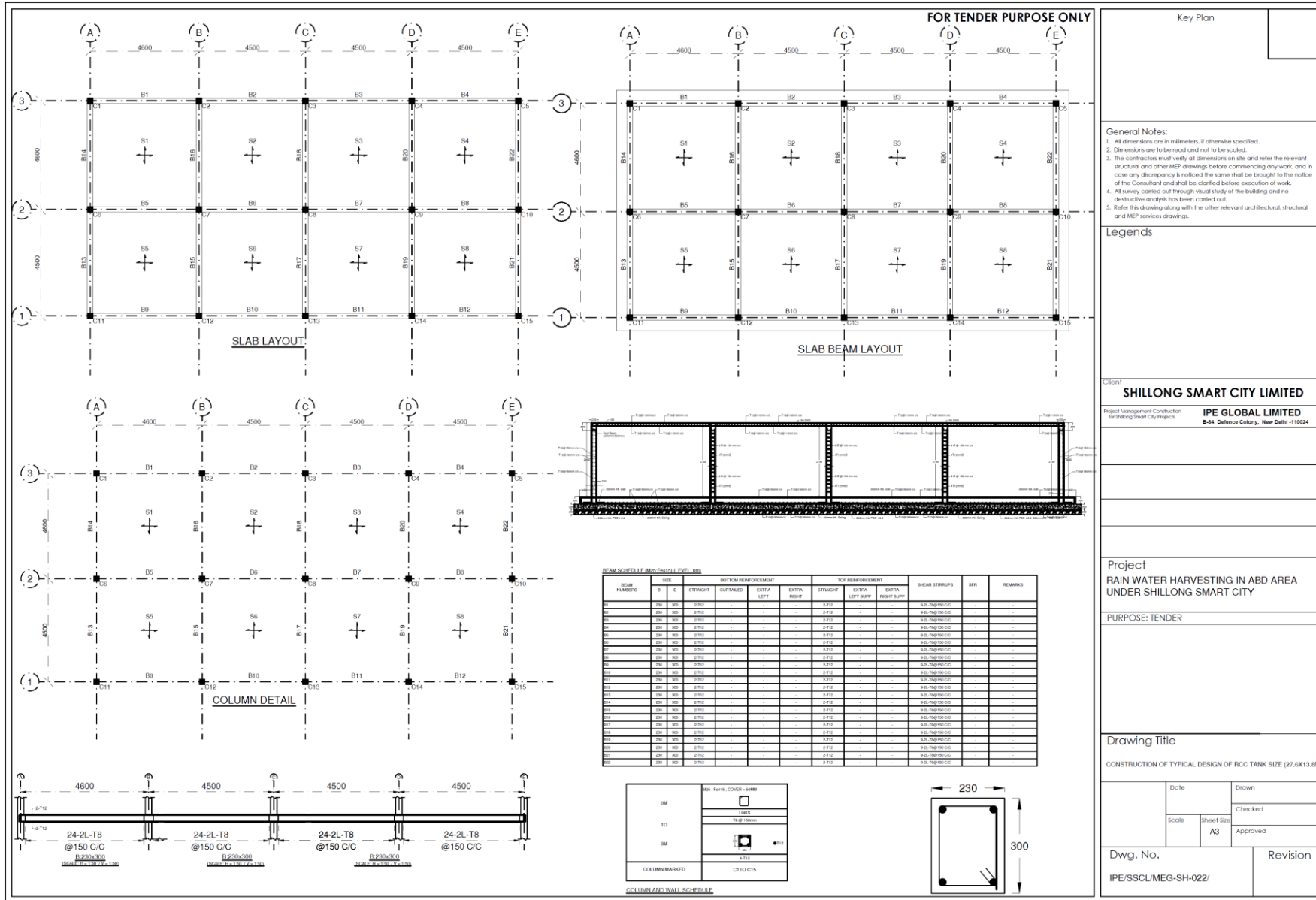
Date	Drawn
Scale	Checked
Sheet Size A3	Approved

Dwg. No. IPE/SSCL/MEG-SH-022/

Revision
REVNO







FOR TENDER PURPOSE ONLY

Key Plan

General Notes:

1. All dimensions are in millimeters, if otherwise specified.
2. Dimensions are to be read and not to be scaled.
3. The contractor must verify all dimensions on site and refer the relevant structural and other MEP drawings before commencing any work, and in case any discrepancy is noticed the same shall be brought to the notice of the Consultant and shall be clarified before execution of work.
4. All survey carried out through visual study of the building and no destructive analysis has been carried out.
5. Refer this drawing along with the other relevant architectural, structural and MEP services drawings.

Legends

Client

SHILLONG SMART CITY LIMITED

Project Management Construction for Shillong smart City Project

IPE GLOBAL LIMITED
B-84, Defence Colony, New Delhi -110024

Project

RAIN WATER HARVESTING IN ABD AREA UNDER SHILLONG SMART CITY

PURPOSE: TENDER

Drawing Title

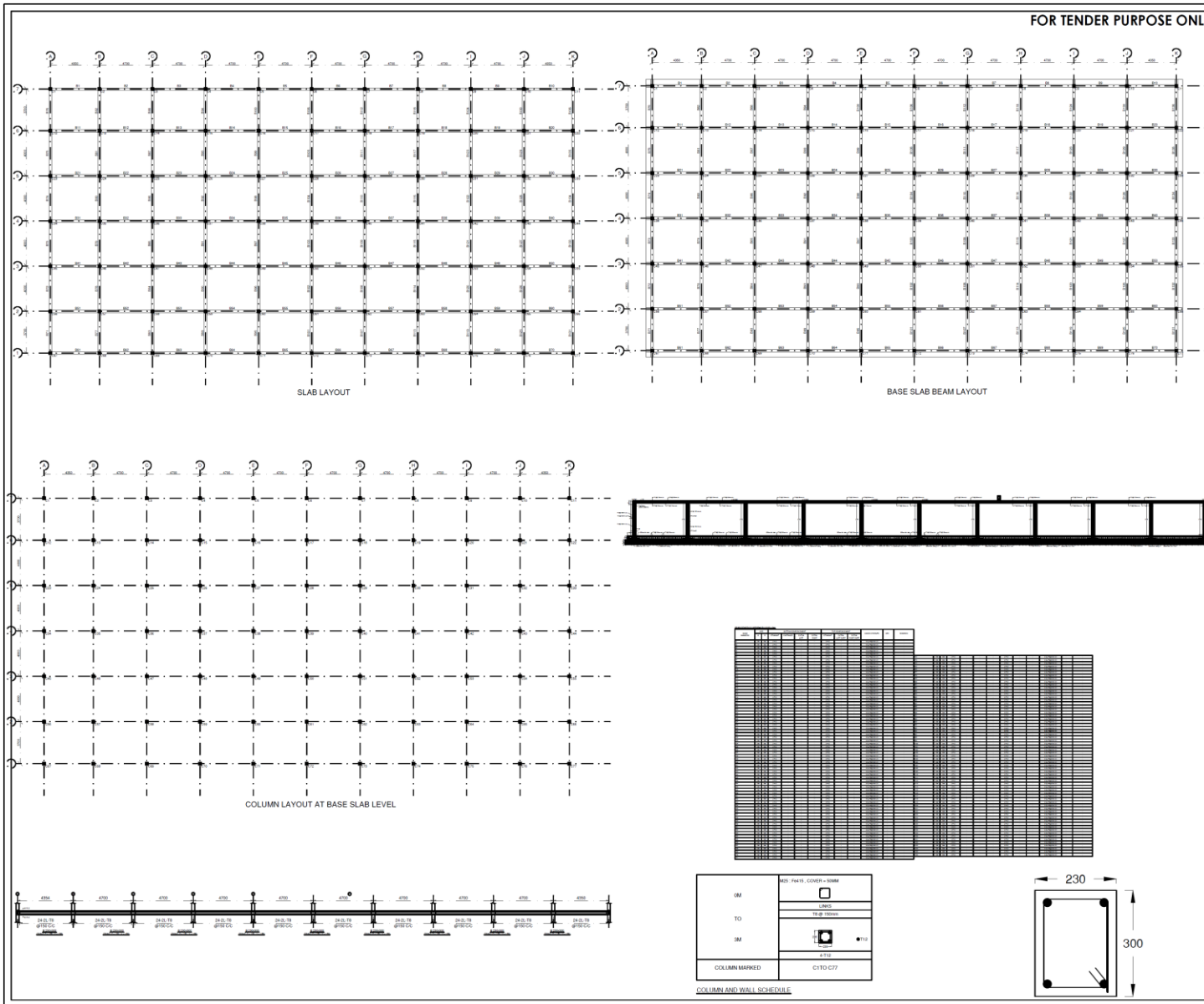
CONSTRUCTION OF TYPICAL DESIGN OF RCC TANK SIZE (67.4X23.7M)

Date	Drawn
Scale	Checked
Sheet Size A3	Approved

Dwg. No.

IPES/SSCL/MEG-SH-022/

Revision



GM	M30 - 10x15 - COVER = 50MM
TO	C20
3M	C25
COLUMN MARKED	C10 - C17

COLUMN AND WALL SCHEDULE

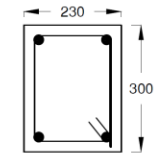


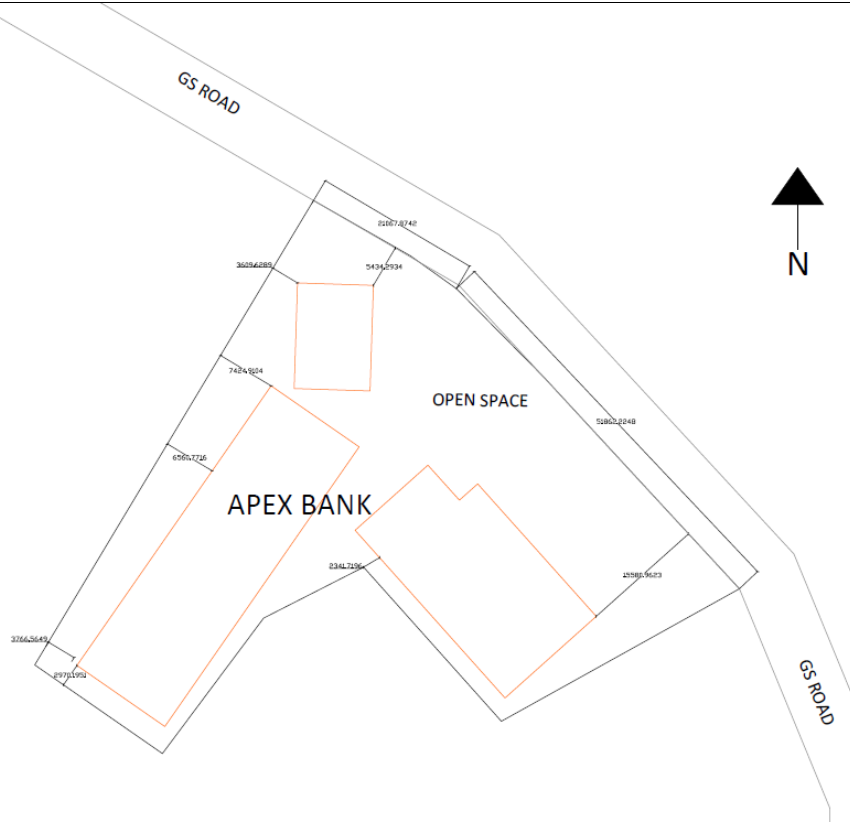
Table 0-1 Harvested volumes and tank sizes calculated based on above mentioned considering Storage capacity of 120 Days

Sl. No.	List of Govt. Premises	Roof Area (Sq. Mts.)
1	Apex Bank, GS Road, Shillong	1336.37
2	Chief Postmaster General Office, Vivekananda Road, Secretariat Hills, Shillong	1948.00
3	Office of Chief Judicial Magistrate, Secretariat Hill Road, Shillong	1112.77
4	Fire Brigade Office, Bara Bazaar and Fire Brigade Office at Laitumkhrach	588.00
5	District Transport Office, Lachumiere, Shillong	1520.00
6	State Disaster Management Centre, Lachumiere, Shillong	238.00
7	Forest Development Corporation, Hopkinson Rd, Block 3, Lachumiere, Shillong	387.00
8	Secretariat, G.O.M. Secretariat Hills, Shillong	10374.35
9	Directorate of Printing and Stationery, Secretariat Hills, Shillong	6260.00
10	General Post Office, Soso Tham Road, Secretariat Hills, Shillong	1282.00
11	High Court Meghalaya, MG Road, Police Bazar, Shillong	3250.00
12	Office of The Chief Commissioner of Income –Tax, Secretariat Hills, Shillong	1198.00
13	M.P.S.C. Office, Horseshoe Building, Lower Lachumiere, Shillong	1813.00
14	Meghalaya State Law Commission, Secretariat Hills, Shillong	1759.55
15	Office of The Controller of Legal Metrology, Lachumiere, Shillong	259.00
16	Additional Secretariat, Secretariat Hill Road	1531.44
17	3rd Secretariat, Lachumiere	1051.33
18	Office of Postal and Communication Secretariat Hill Road	1123.00
19	State Central Library, IGP, Secretariat Hills, Shillong	3525.00
20	State Sport Council, Polo Shillong	620.99
21	NSCA (Tirok Sing) Indoor Stadium, Shillong	810.87
22	Office of Public Works Department, Lachumiere, Shillong	1220.00
23	BSNL Circle Office	1350.00
24	Shillong Municipal Board Office, Police Bazar	580.00
		45138.67

1.

Apex Bank

Not to Scale, for Tender Purpose only



3.

Office of Chief Judicial Magistrate

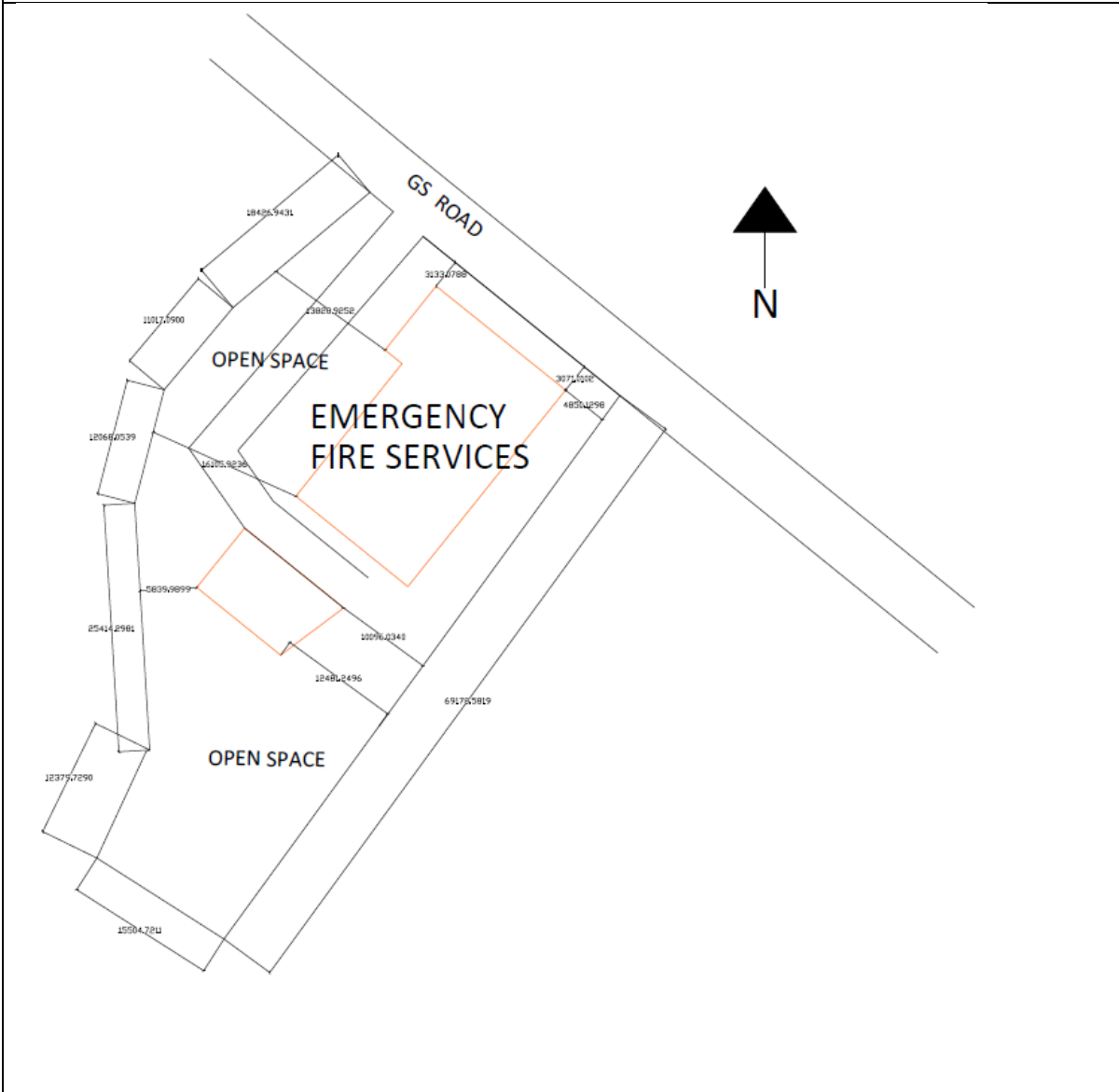
Not to Scale, for Tender Purpose only



4.

Fire Brigade Office

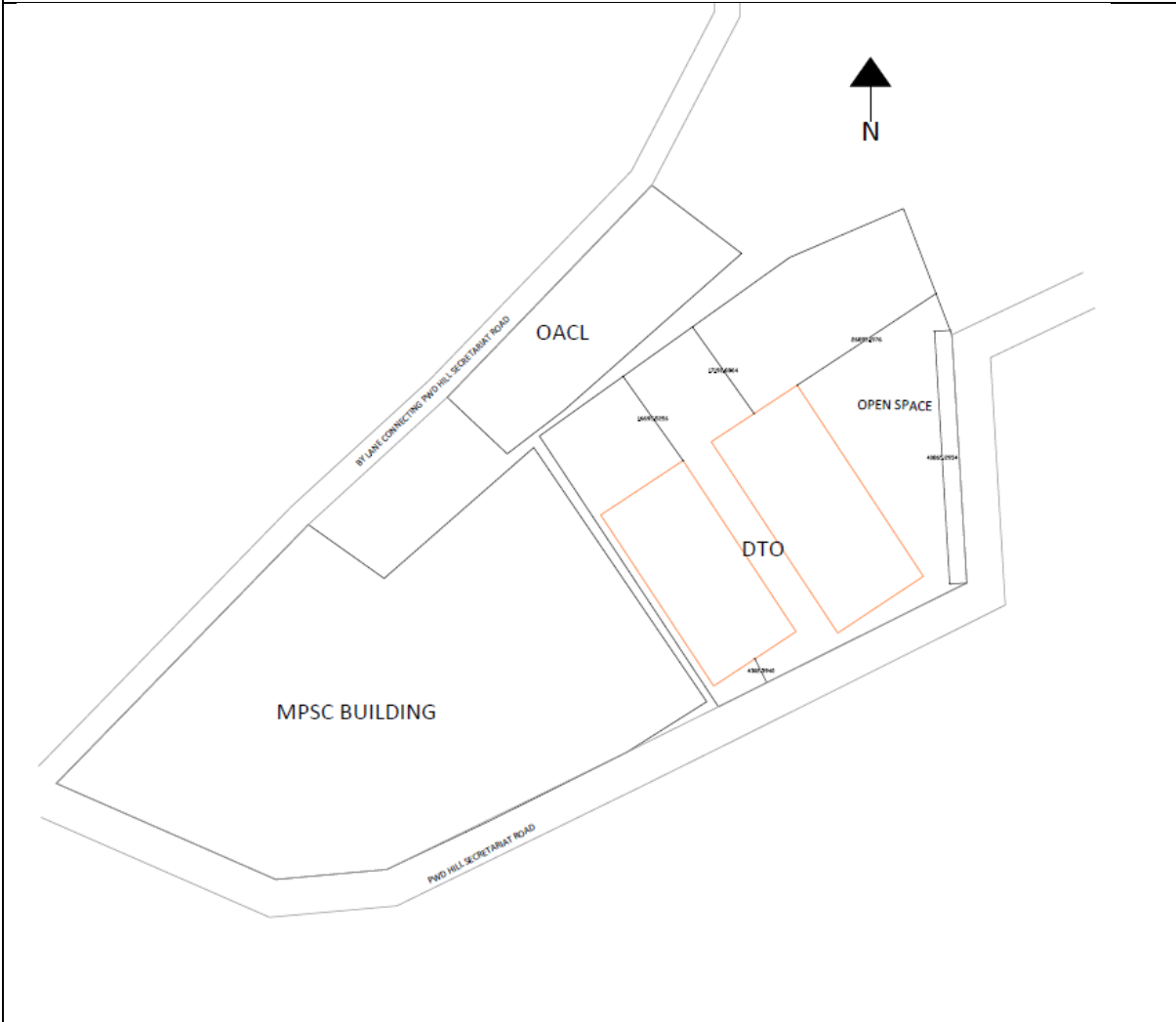
Not to Scale, for Tender Purpose only



5.

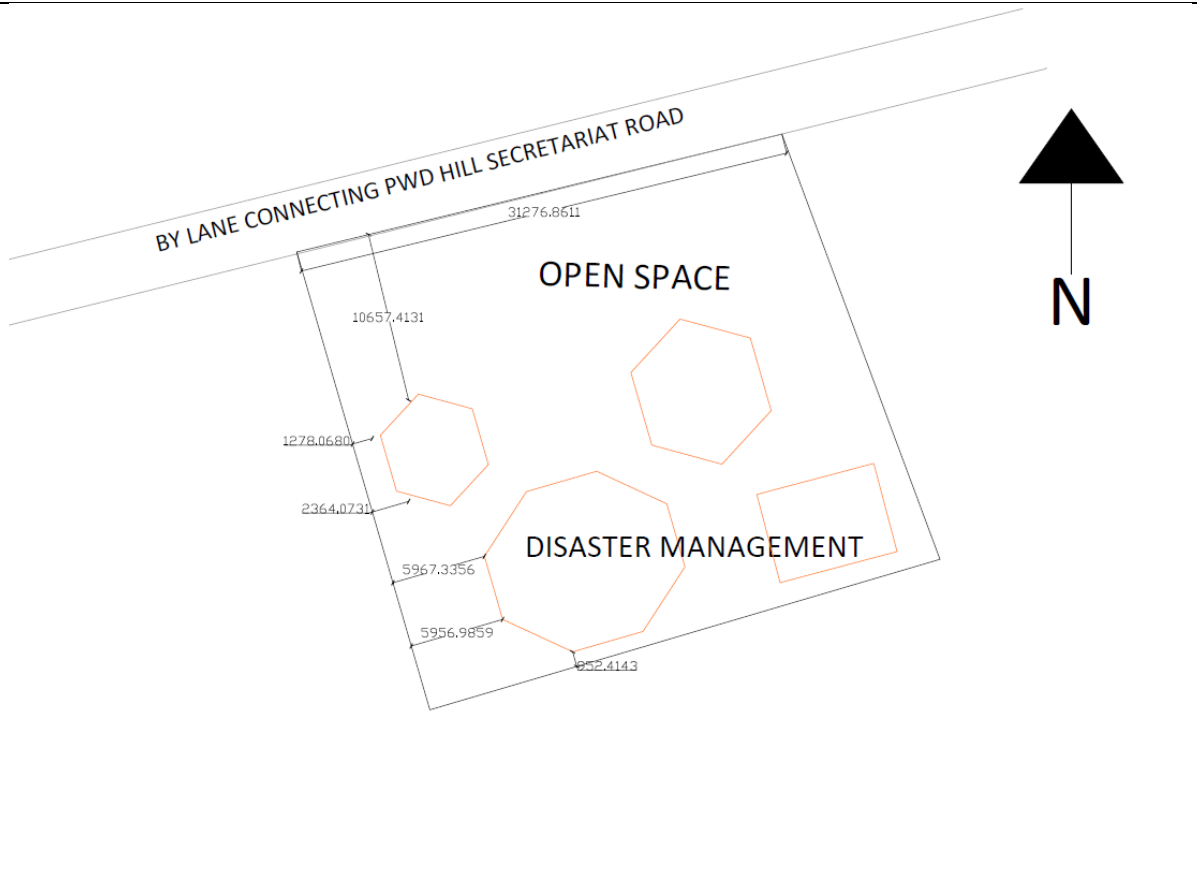
District Transport Office

Not to Scale, for Tender Purpose only



6. State Disaster Management Centre

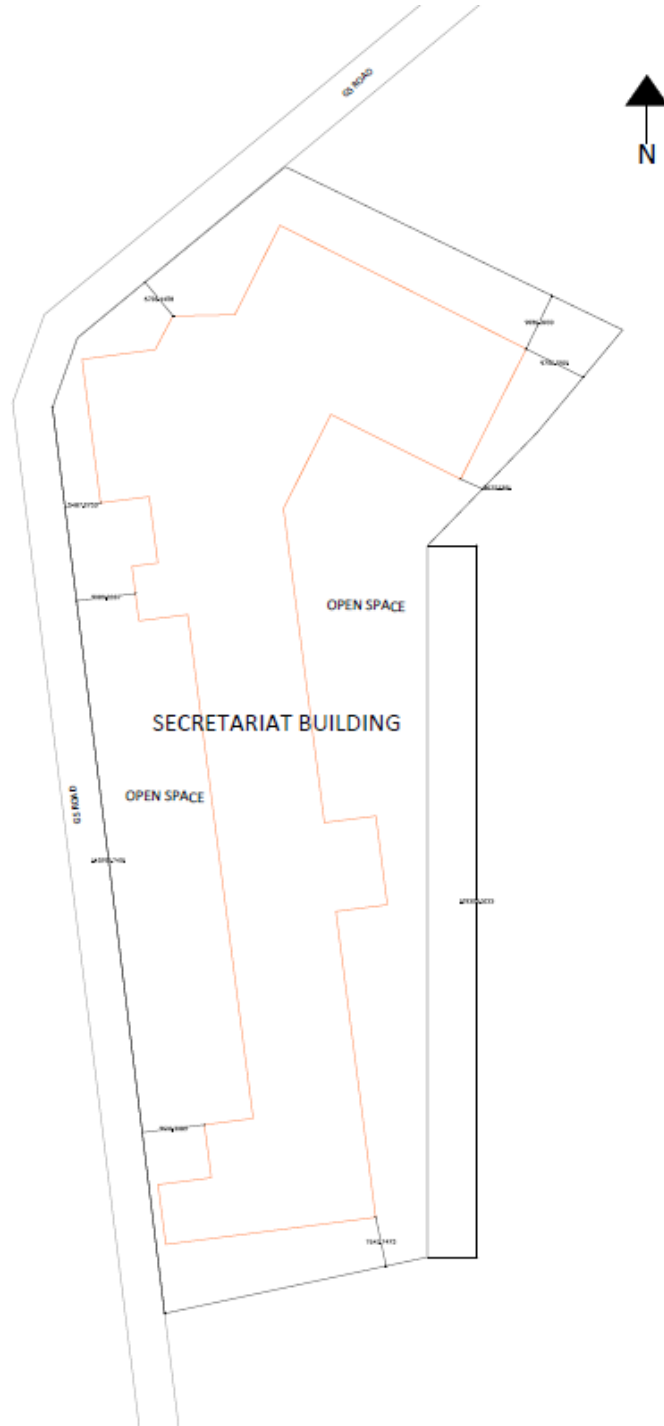
Not to Scale, for Tender Purpose only



8.

Secretariat, G.O.M

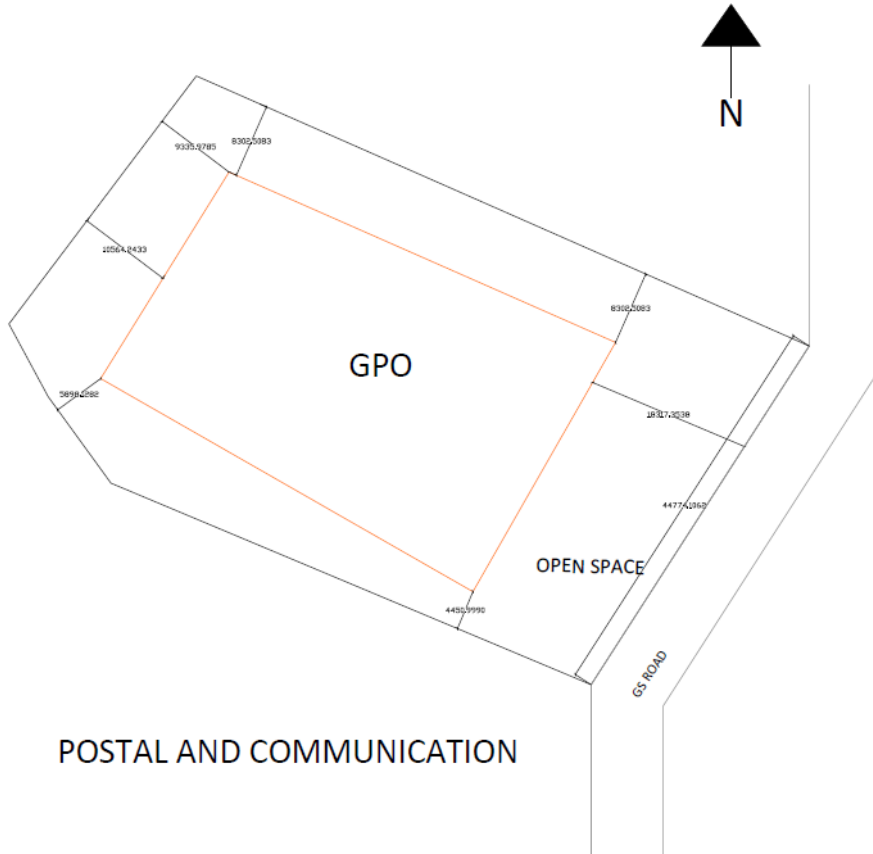
Not to Scale, for Tender Purpose only



10.

General Post Office

Not to Scale, for Tender Purpose only



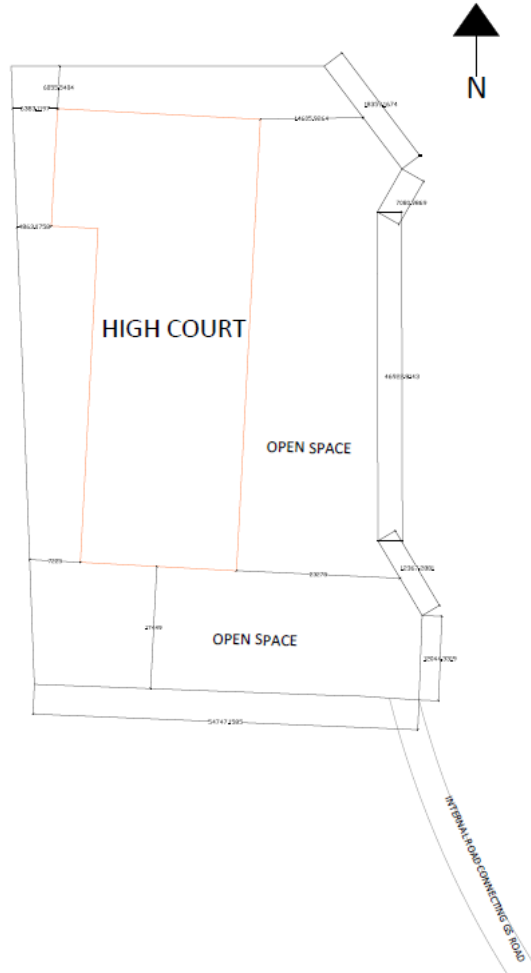
POSTAL AND COMMUNICATION



11.

High Court Meghalaya

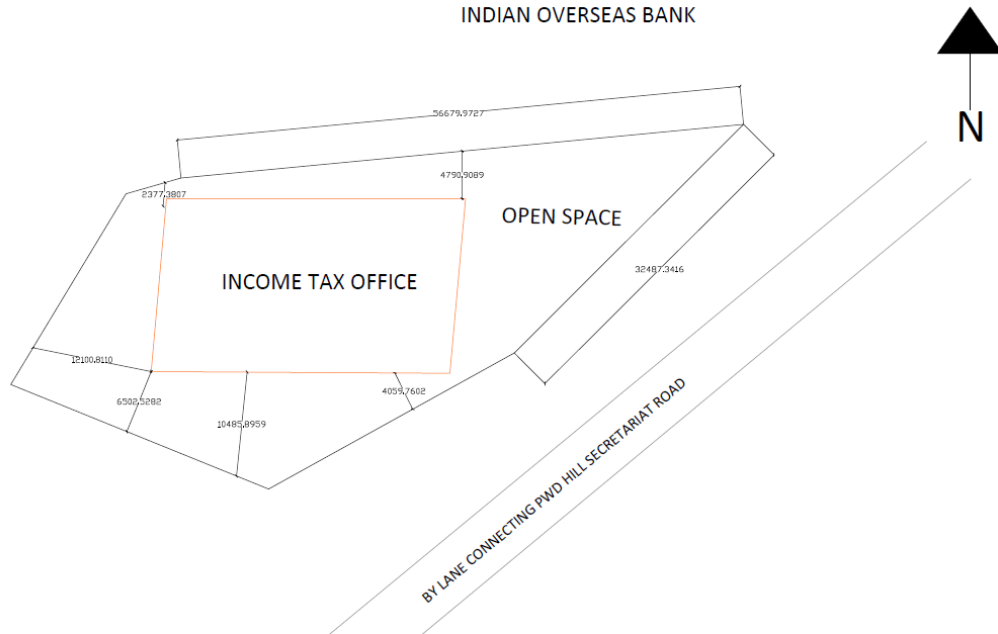
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12.

Office of The Chief Commissioner of Income –Tax

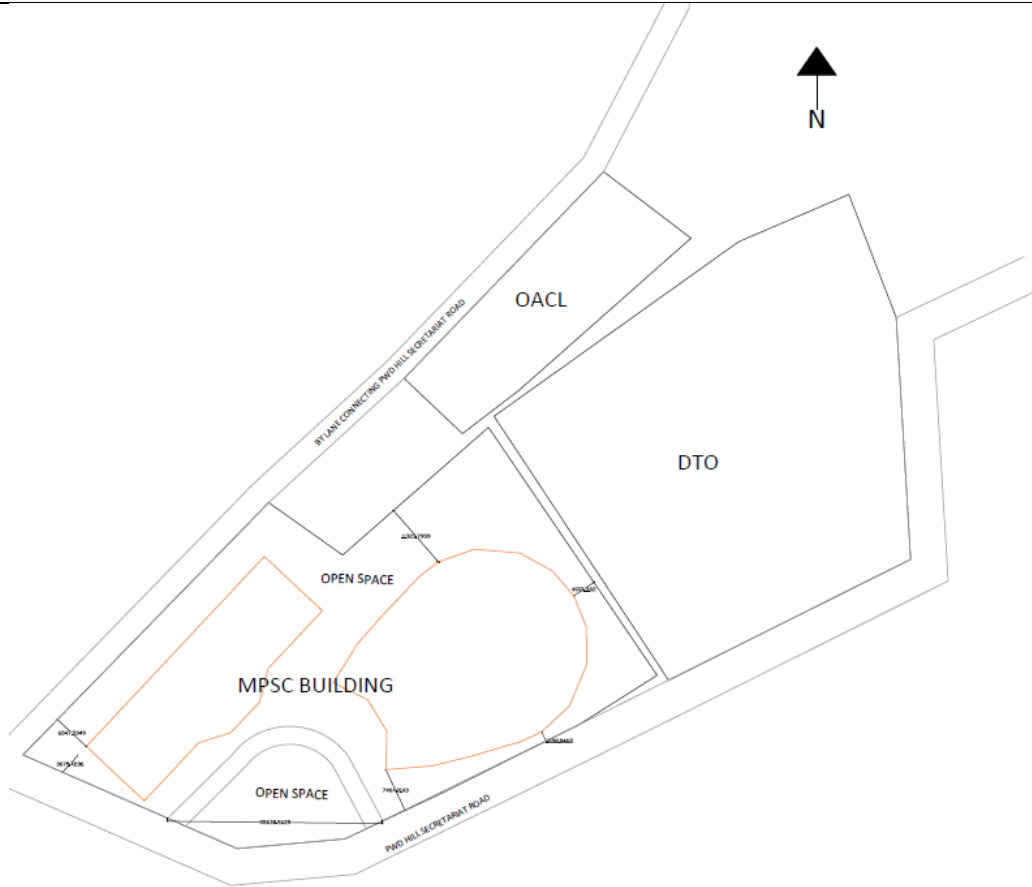
Not to Scale, for Tender Purpose only



13.

M.P.S.C. Office

Not to Scale, for Tender Purpose only



14.

Meghalaya State Law Commission

Not to Scale, for Tender Purpose only

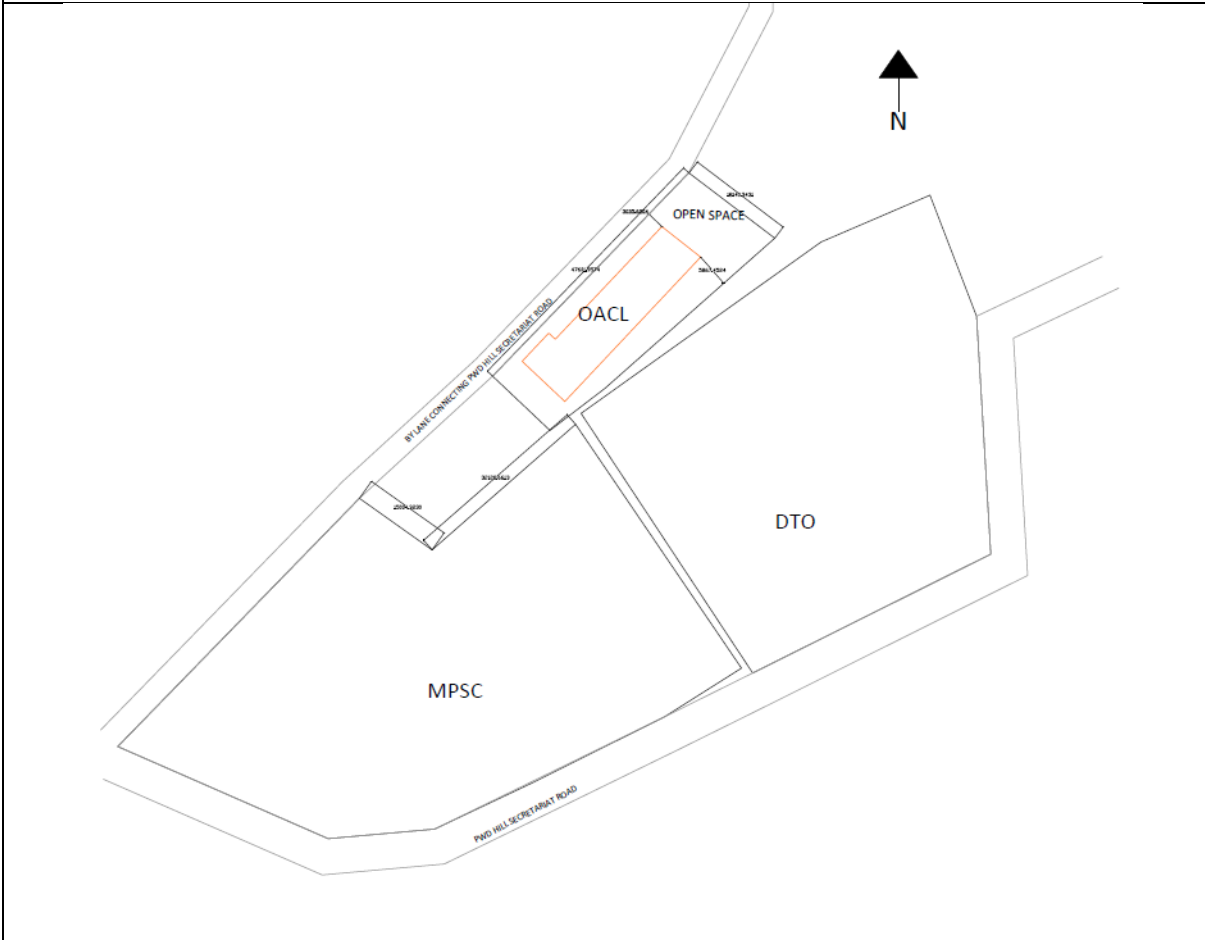


STATE LAW COMMISSION

15.

Office of The Controller of Legal Metrology

Not to Scale, for Tender Purpose only



16.

Additional Secretariat

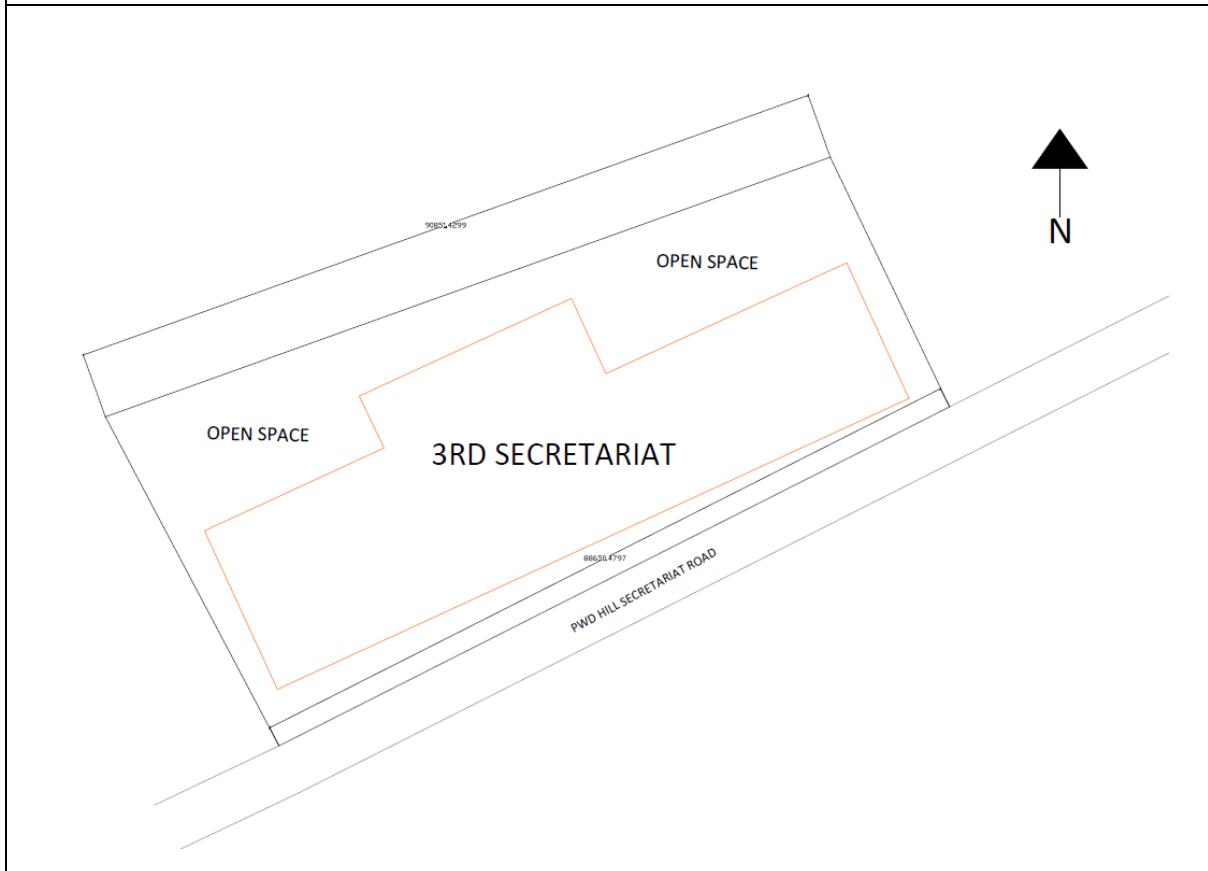
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17.

3rd Secretariat

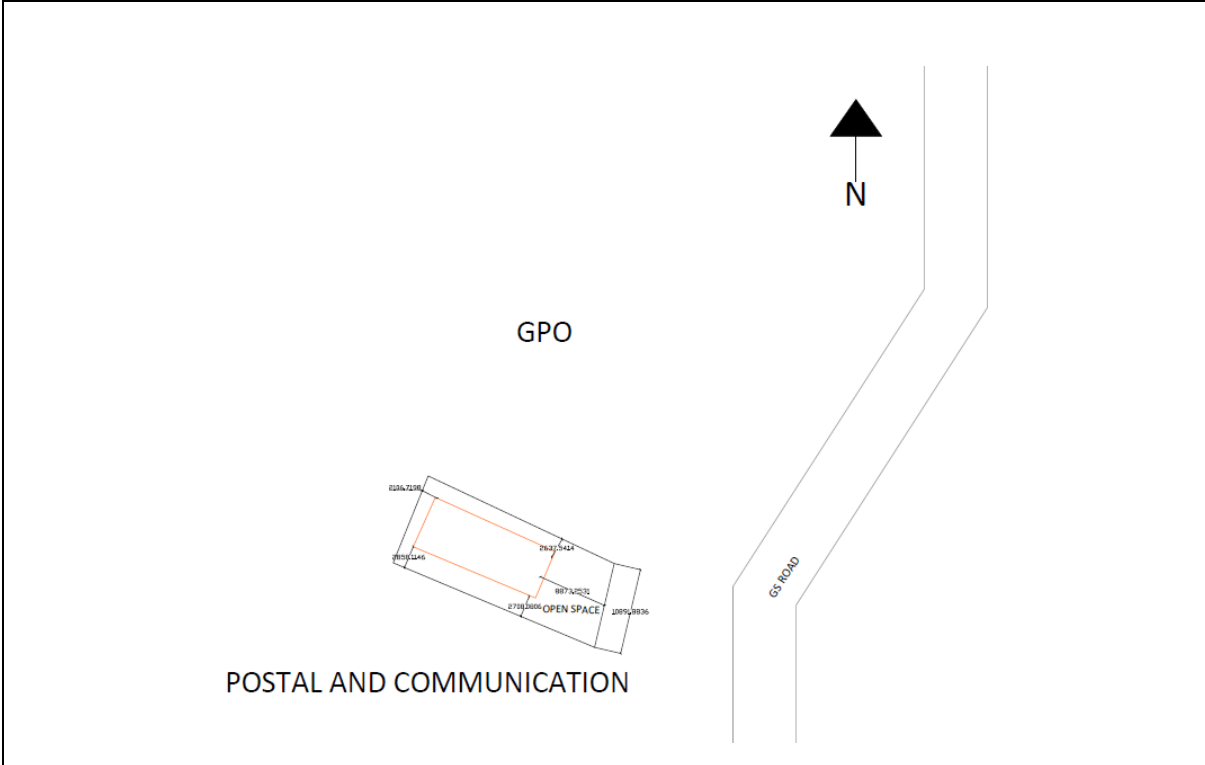
Not to Scale, for Tender Purpose only



18.

Office of Postal and Communication Secretariat Hill Road

Not to Scale, for Tender Purpose only



19.

State Central Library

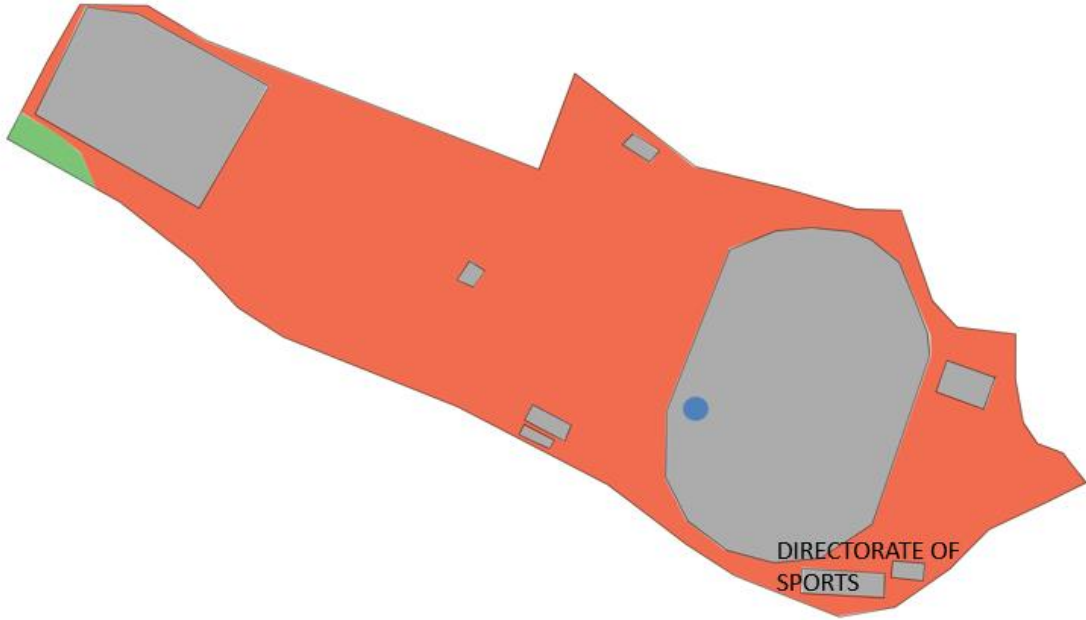
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20.

State Sport Council

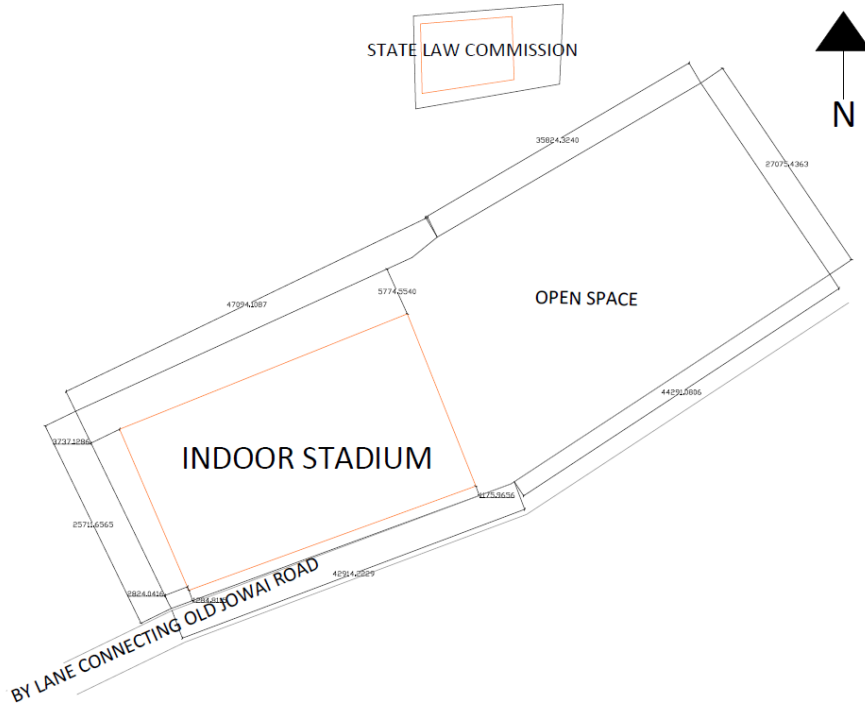
Not to Scale, for Tender Purpose only



21.

NSCA (Tirof Sing) Indoor Stadium

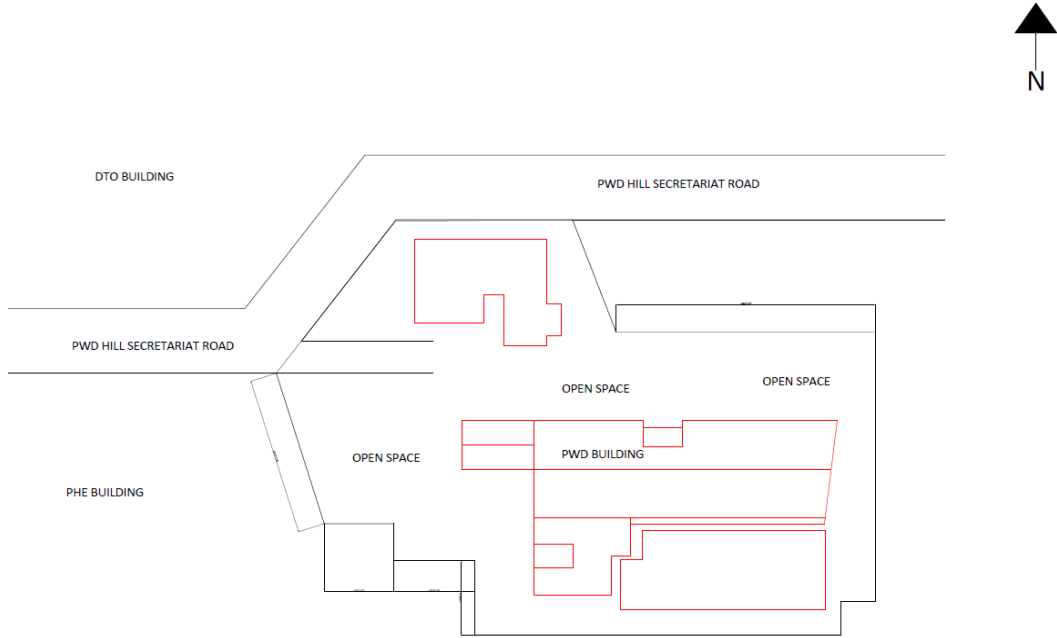
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22.

Office of Public Works Department

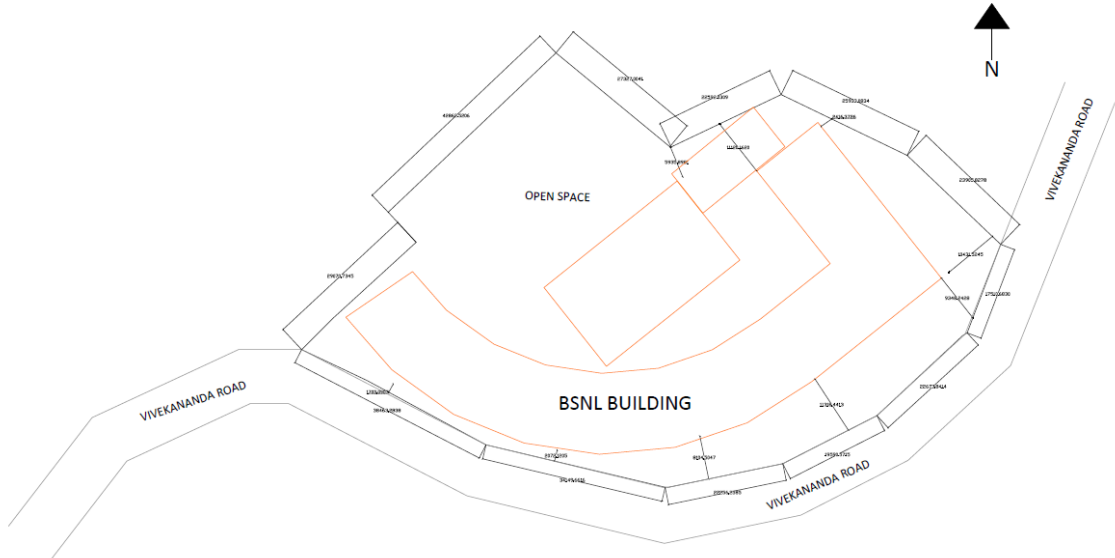
Not to Scale, for Tender Purpose only



23.

BSNL Circle Office

Not to Scale, for Tender Purpose only



24.

Shillong Municipal Board Office

Not to Scale, for Tender Purpose only

