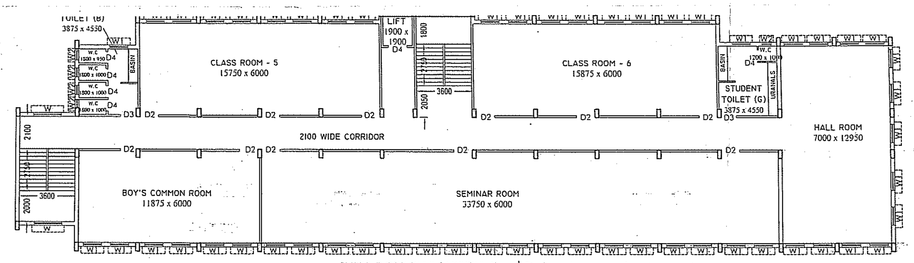
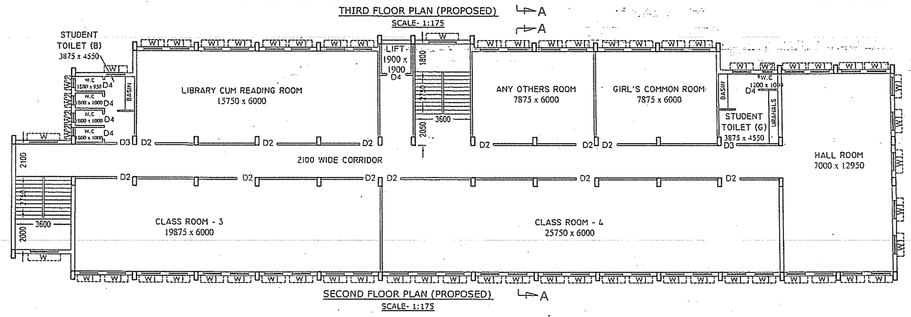
BUILDING PLAN OF RISHI AUROBINDO INSTITUTE OF TEACHER EDUCATION UNDER AMARNATH ALTRUIST CHARITABLE TRUST.

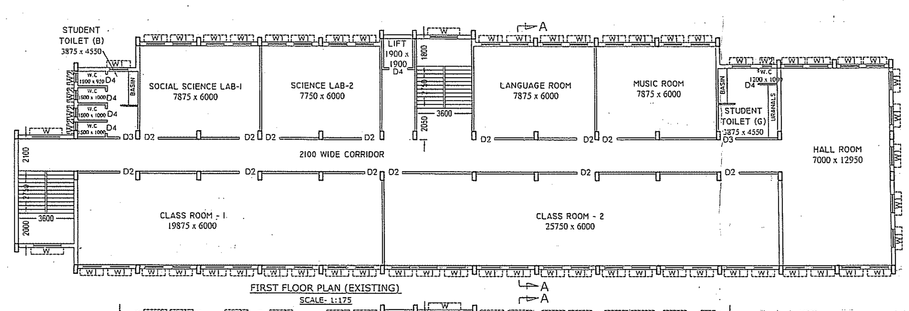
AT MOUZA-PANCHKHURI, JL NO. - 241, R.S PLOT NO.- 482(P), P.S- MIDNAPORE, DIST.- PASCHIM MEDINIPUR.



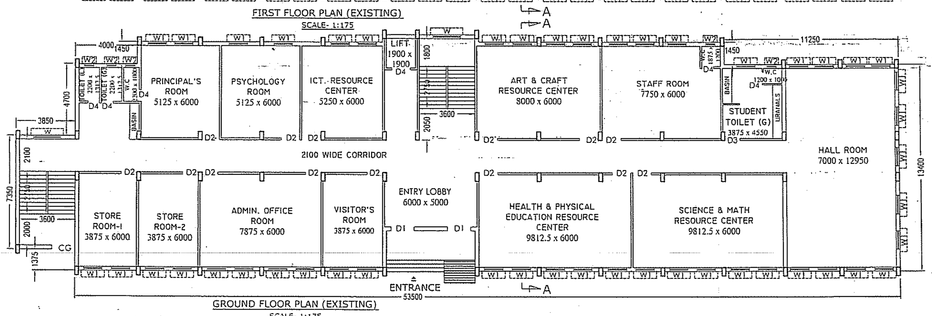
THIRD FLOOR PLAN (PROPOSED)
SCALE- 1:175



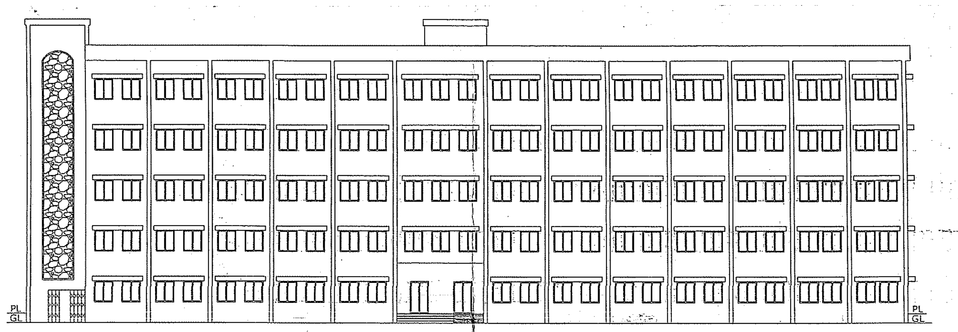
SECOND FLOOR PLAN (PROPOSED)
SCALE- 1:175



FIRST FLOOR PLAN (EXISTING)
SCALE- 1:175



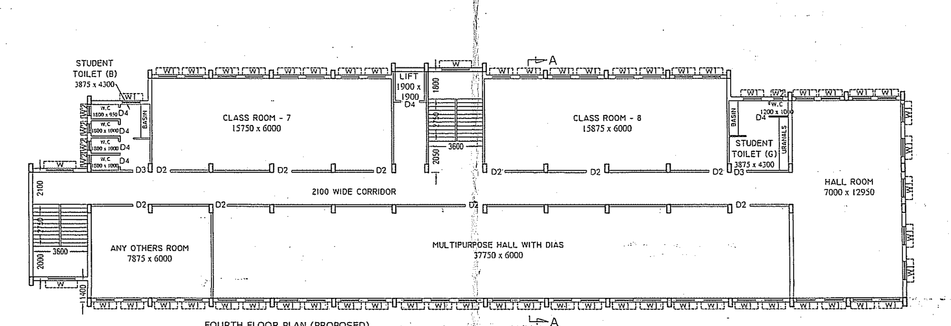
GROUND FLOOR PLAN (EXISTING)
SCALE- 1:175



ELEVATION
SCALE - 1:175

ROOM LEGEND THIRD FLOOR				
SL. NO.	ROOM DESCRIPTION	ROOM SIZE IN M.	CARPET AREA	
1	CLASS ROOM - 5	15.75 x 6.00	94.50 SQ.MT.	1017.2 SQ. FT.
2	CLASS ROOM - 6	15.875 x 4.30	68.26 SQ.MT.	734.75 SQ. FT.
3	BOY'S COMMON ROOM	11.875 x 6.00	71.25 SQ.MT.	766.94 SQ. FT.
4	SEMINAR ROOM	33.75 x 6.00	202.50 SQ.MT.	2179.71 SQ. FT.
5	STUDENT TOILET (FEMALE)	3.875 x 4.55	17.63 SQ.MT.	189.77 SQ. FT.
6	STUDENT TOILET (MALE)	3.875 x 4.55	17.63 SQ.MT.	189.77 SQ. FT.
7	HALL ROOM	7.0 x 12.95	90.65SQ.MT.	975..765Q. FT.

ROOM LEGEND FOURTH FLOOR				
SL. NO.	ROOM DESCRIPTION	ROOM SIZE IN M.	CARPET AREA	
1	CLASS ROOM - 7	15.75 x 6.00	94.50 SQ.MT.	1017.2 SQ. FT.
2	CLASS ROOM - 8	15.875 x 4.30	68.26 SQ.MT.	734.75 SQ. FT.
3	ANY OTHERS ROOM	7.875 x 6.00	47.25 SQ.MT.	508.6 SQ. FT.
4	MULTIPURPOSE HALL WITH DIAS	37.75 x 6.00	226.50 SQ.MT.	2438.05 SQ. FT.
5	STUDENT TOILET (FEMALE)	3.875 x 4.55	17.63 SQ.MT.	189.77 SQ. FT.
6	STUDENT TOILET (MALE)	3.875 x 4.55	17.63 SQ.MT.	189.77 SQ. FT.
7	HALL ROOM	7.0 x 12.95	90.65SQ.MT.	975..765Q. FT.

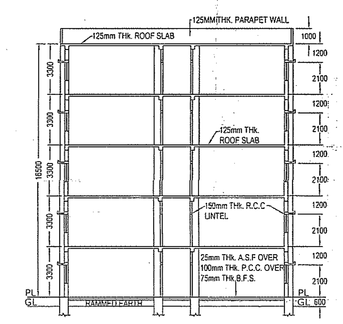


FOURTH FLOOR PLAN (PROPOSED)
SCALE- 1:175

ROOM LEGEND GROUND FLOOR				
SL. NO.	ROOM DESCRIPTION	ROOM SIZE IN M.	CARPET AREA	
1	VISITORS ROOM	3.875 x 6.0	23.25SQ.MT.	250.265Q. FT.
2	ADMIN. OFFICE ROOM	7.875 x 6.0	47.25SQ.MT.	508.65Q. FT.
3	PRINCIPAL'S ROOM	5.125 x 6.0	30.75SQ.MT.	330.995Q. FT.
4	STAFF ROOM	7.75 x 6.0	46.50SQ.MT.	500.535Q. FT.
5	STORE ROOM-1	3.875 x 6.0	23.25SQ.MT.	250.265Q. FT.
6	STORE ROOM-2	3.875 x 6.0	23.25SQ.MT.	250.265Q. FT.
7	PSYCHOLOGY ROOM	5.125 x 6.0	30.75SQ.MT.	330.995Q. FT.
8	ICT, RESOURCE CENTER	5.25 x 6.0	31.50SQ.MT.	339.07SQ. FT.
9	ART & CRAFT RESOURCE CENTER	8.0 x 6.0	48.00SQ.MT.	516.67SQ. FT.
10	HEALTH & PHYSICAL EDUCATION RESOURCE CENTER	9.8125 x 6.0	58.885Q.MT.	633.785Q. FT.
11	SCIENCE & MATH RESOURCE CENTER	9.8125 x 6.0	58.885Q.MT.	633.785Q. FT.
12	STUDENT TOILET (FEMALE)	3.875 x 4.55	17.63SQ.MT.	189.77SQ. FT.
13	STUDENT TOILET (MALE)	3.875 x 4.55	17.63SQ.MT.	189.77SQ. FT.
14	HALL ROOM	7.0 x 12.95	90.65SQ.MT.	975..765Q. FT.

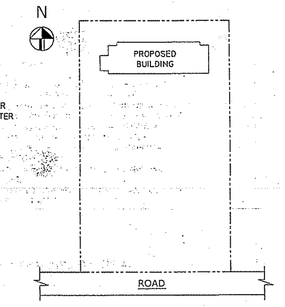
ROOM LEGEND FIRST FLOOR				
SL. NO.	ROOM DESCRIPTION	ROOM SIZE IN M.	CARPET AREA	
1	SOCIAL SCIENCE LAB-1	7.875 x 6.0	47.25SQ.MT.	508.65Q. FT.
2	SCIENCE LAB-2	7.75 x 6.0	46.50SQ.MT.	500.535Q. FT.
3	LANGUAGE ROOM	7.875 x 6.0	47.25SQ.MT.	508.65Q. FT.
4	MUSIC ROOM	7.875 x 6.0	47.25SQ.MT.	508.65Q. FT.
5	CLASS ROOM - 1	19.875 x 6.0	119.25SQ.MT.	1283.61SQ. FT.
6	CLASS ROOM - 2	25.75 x 6.0	154.50SQ.MT.	1663.04SQ. FT.
7	STUDENT TOILET (FEMALE)	3.875 x 4.55	17.63SQ.MT.	189.77SQ. FT.
8	STUDENT TOILET (MALE)	3.875 x 4.55	17.63SQ.MT.	189.77SQ. FT.
9	HALL ROOM	7.0 x 12.95	90.65SQ.MT.	975..765Q. FT.

ROOM LEGEND SECOND FLOOR				
SL. NO.	ROOM DESCRIPTION	ROOM SIZE IN M.	CARPET AREA	
1	CLASS ROOM - 3	19.875 x 6.00	119.25 SQ.MT.	1283.61 SQ. FT.
2	CLASS ROOM - 4	25.75 x 6.00	154.50 SQ.MT.	1663.04 SQ. FT.
3	ANY OTHERS ROOM	7.875 x 6.00	47.25 SQ.MT.	508.6 SQ. FT.
4	GIRL'S COMMON ROOM	7.875 x 6.00	47.25 SQ.MT.	508.6 SQ. FT.
5	LIBRARY CUM READING ROOM	15.75 x 6.00	94.50 SQ.MT.	1017.2 SQ. FT.
6	STUDENT TOILET (FEMALE)	3.875 x 4.55	17.63 SQ.MT.	189.77 SQ. FT.
7	STUDENT TOILET (MALE)	3.875 x 4.55	17.63 SQ.MT.	189.77 SQ. FT.
8	HALL ROOM	7.0 x 12.95	90.65SQ.MT.	975..765Q. FT.



SECTION: A-A
SCALE - 1:175

NOTES :
1. ALL DIMENSION ARE IN MM OTHERWISE NOTED.
2. GRADE OF CONCRETE TO BE USED M20 (1:1.5:3)
3. GRADE OF STEEL TO BE USED Fe 500.
4. BEARING CAPACITY OF SOIL 10t/M2
5. ALL OUTER BRICKWORK 250 TH. WITH (1:6) CEMENT-SAND MORTAR & INNER WALL WILL BE 75 TH & 125 TH. WITH (1:4) CEMENT-SAND MORTAR.
6. ALL INSIDE W1ALL PLASTER (20 MM THK.) ARE IN (1:6) CEMENTSAND MORTER
7. ALL OUTSIDE W1ALL PLASTER (15 MM THK.) ARE IN (1:6) CEMENTSAND MORTER
8. ALL CEILING PLASTER (10 MM THK.) ARE IN (1:4) CEMENTSAND MORTER
9. DEPTH OF THE FOUNDATION OF SEPTIC TANK AND SEM-U.G.WATER RESERVOIR WILL NOT EXCEED THE DEPTH OF THE BUILDING FOUNDATION.
10. CLEAR COVER TO MAIN REINFORCEMENT :
i) FOUNDATION AND COLUMNS - 40mm. ii) BEAMS - 25mm. iii) SLABS - 15mm.
11. LAP LENGTH - 60 X DIA OF BAR.
12. ALL BUILDING MATERIALS SHOULD CONFORM TO ISI & NB CODES OR AS SPECIFIED BY THE ENGINEER IN CHARGE.



SITE PLAN
SCALE- 1:700

AREA STATEMENT :

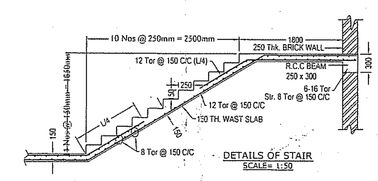
TOTAL LAND AREA : 1.0 ACOR = 4046.82 SQ.M. (AS PER DEED)

EXISTING GROUND FLOOR COVER AREA : 802.67 SQ.M = 8639.94 SQ. FT
EXISTING FIRST FLOOR COVER AREA : 802.67 SQ.M = 8639.94 SQ. FT
PROPOSED SECOND FLOOR COVER AREA : 802.67 SQ.M = 8639.94 SQ. FT
PROPOSED THIRD FLOOR COVER AREA : 802.67 SQ.M = 8639.94 SQ. FT
PROPOSED FOURTH FLOOR COVER AREA : 802.67 SQ.M = 8639.94 SQ. FT
TOTAL BUILT UP AREA : 4013.35 SQ.M = 43199.69 SQ.FT.

PROPOSED CAR AND CYCLE PARKING AREA : 100.0 SQ.M = 1078.40 SFT.
PROPOSED MULTIPURPOSE PLAY FIELD AREA : 945.0 SQ.M = 10171.98 SFT.
PROPOSED GARDENING AREA : 200.0 SQ.M = 2152.80 SFT.

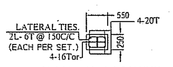
SCHEDULE OF DOOR & WINDOW

DOOR		WINDOW	
MKD.	SIZE	MKD.	SIZE
D	1200 x 2100	W	1500 x 1200
D1	1000 x 2100	W1	900 x 1200
D1	750 x 2100	W2	600 x 600
		W3	600 x 1200

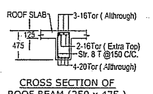


DETAILS OF STAIR
SCALE= 1:50

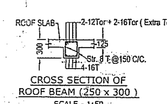
CROSS SECTION OF TIE BEAM (250 x 450)
SCALE - 1:50



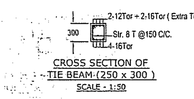
CROSS SEC. OF COLUMN
SCALE - 1:50



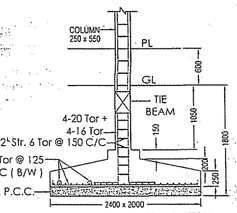
CROSS SECTION OF ROOF BEAM (250 x 475)
SCALE - 1:50



CROSS SECTION OF ROOF BEAM (250 x 300)
SCALE - 1:50



CROSS SECTION OF TIE BEAM (250 x 300)
SCALE - 1:50



DETAILS OF COLUMN FOUNDATION
SCALE - 1:50

NAME	SIZE	REINFORCEMENT DETAILS
Column	550 x 250	4 - 20 Tor + 4 - 16 Tor, Strp.2L 6mm Tor @ 150mm C/C
Tie Beam	475 x 250	4-20Tor (Bottom) + 3-16 Tor (Top) + Ex. Top 2-16 Tor , Strp. 6 Tor @ 150mm C/C
Tie Beam	300 x 250	4-16Tor (Bottom) + 2-12 Tor (Top) + Ex. Top 2-16 Tor , Strp. 6 Tor @ 150mm C/C
Lintel	250 x 150	4-10 Tor + Ex. Top 1-10 Tor At Opening, Strp. 6 Tor @ 150mm C/C
Lintel	125 x 150	4-8 Tor, Strp. 6 Tor @ 150mm C/C
Floor Beam	475 x 300	4-20Tor (Bottom) + 3-16 Tor (Top) + Ex. Top 2-16 Tor , Strp. 8 Tor @ 150mm C/C
Chaja	450 x 075	Main. 8 Tor @ 150mm C/C, Dist. 6 Tor @ 150mm C/C
Roof Slab	125mm Thk.	Main. 10 Tor @ 125mm C/C, Dist. 8 Tor @ 200mm C/C
Stair	:	Waist Slab 150mm Thk. Main. 12 Tor @ 150mm C/C, Dist. 10 Tor @ 150mm C/C

Government of West Bengal
Office of the Sub-Divisional Officer
Kharagpur Sub-Division

Amarnath Bhattacharjee
Kharagpur Sub-Division
Special Sector, R.W. Dte.

COUNTER SIGNATURE OF GOVT. ENGINEER: