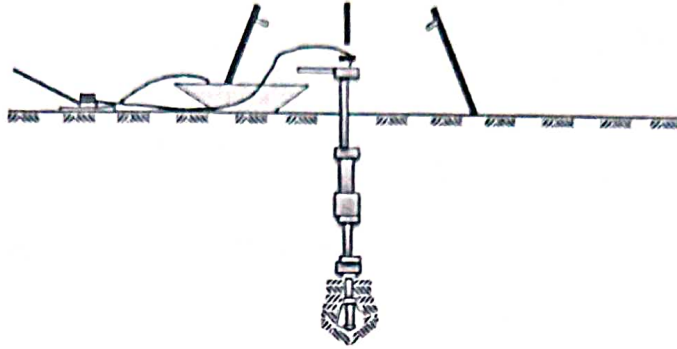


REPORT ON SOIL INVESTIGATION



-: NAME OF WORK :-

**CONSTRUCTION OF PROPOSED
G+4 STORIED RESIDENTIAL BUILDING**

-: LOCATION AT :-

**SASHTRI NAGAR, NEAR TIRANGA MORE, SILIGURI, WARD NO- 41(SMC),
P.S- BHAKTINAGAR, DIST.- JALPAIGURI**

-: LAND SCHEDULE :-

**MOUZA- DABGRAM, J.L. NO- 02, SHEET NO- 8(R.S) & 43(L.R),
KHATIAN NO -98/1 (R.S) & 348(L.R), PLOT NO- 550 (R.S) & 89 (L.R),
WARD NO- 41(SMC), P.S.- BHAKTINAGAR, DIST- JALPAIGURI**

-: NAME OF OWNER :-

**OASIS VENTURES, AT UNIT NO- 5, THIRD FLOOR, GOYAL PLAZA,
SEVOKE ROAD, P.S- BHAKTINAGAR, DIST- JALPAIGURI
REPRESENTED BY ITS PARTNER:- SRI KASHINATH AGARWALA
S/O. LATE SHYAM LAL AGARWALA**

INVESTIGATOR



ACHARYA ASSOCIATES

**GEO-TECHNICAL SOIL INVESTIGATION, MATERIAL TESTING SURVEYING
(DIGITAL), PLANNING AND ESTIMATING
35, DINABANDHU MITRA SARANI, SUBHASPALLY, SILIGURI.
DIST- DARJEELING, Pin-734001
CELL-9851173583/94340-48977/9832375155
Email- acharyamainak@gmail.com**

G. Jitendra

Er. ANJIT GHOSH
Geotechnical Engineer, Class-I
S.M.C. Empanelment No. 1110
Jalpaiguri Road, Siliguri, Mch. No. 9832375155
consultavjil@hotmail.com



CONTENTS

Sl. No.	Description	Pages
01	Introduction and scope	03-03
02	Detail of Soil Investigations	04-06
03	Site plan	07-07
04	Bore-log Data sheet (Tab-1 to 2)	08-09
05	Grain Size analysis	10-11
06	Estimated Physical Properties of soil (Tab-3)	12-12
07	Correction of field SPT (N) Value (Tab-4)	13-13
08	Calculation of Net safe Bearing Capacity for General Shear Failure(Tab-5)	14-14
09	Calculation of Net safe Bearing Capacity for Local Shear Failure (Tab-6)	15-15
10	Summary Table of calculation of Net Safe Bearing Capacities based on Shear Failure and Settlement criteria as per Codal Provisions based on which Suggested Net Safe Bearing Capacity has been recommended.(Tab-7)	16-16
11	Photography	17-17



INTRODUCTION AND SCOPE :

Soil investigation has been carried out at Sashtri Nagar, Ward No-41(Smc), Dist.- Jalpaiguri for the purpose of designing suitable foundation
PROPOSED G+4 STORIED RESIDENTIAL BUILDING

The objective of the exploration work was to determine the probable sub surface conditions such as stratification, denseness or hardness of the strata, position of ground water table etc. and to evaluate probable range of safe bearing capacity for preparing safe and economic design of foundation.

The plot is more or less level and the Spot is same from existing road level. Two 150 mm dia bore holes were taken down to a depth of 9 m below the existing ground level at the site as per location shown in the site plan. Auger boring and bentonite mud drilling were used for drilling the holes. Standard Penetration Test was done on the soil at different depth.

Laboratory testing on selected undisturbed/representative soil samples were done for classification purpose and to determine their strength & other physical properties.



**THE FOLLOWING TESTS WERE DONE FOR DETAILS SOIL
INVESTIGATION:-**

(A) FIELD TESTS:

1. Standard penetration tests.
2. Determination of In-Situ density.

(B) LABORATORY TESTS:

1. Natural moisture content
2. Specific Gravity
3. Grain size analysis.

1. Standard Penetration Tests :-

A standard split spoon sampler is driven 45 cm into the ground by means of a 63.5 kg hammer falling freely from a height of 75 cm. The total number of blows required to drive the second and third depth of 15 cm (i.e. total 30 cm) is called the standard Penetration resistance (N blows per 30 cm). After the blow counts are recorded, the spoon is withdrawn and a representative sample is obtained for identification tests. The N value has been corrected as per IS: 2123-1981.

Corrections:

- a) Due to Overburden – The N value for cohesion less soil shall be corrected for overburden (N').
- b) Due to Dilatancy – The value obtained after correction due to overburden shall be corrected for dilatancy if the stratum consists of fine sand and silt below water table for values of N' greater than 15, as under (N''):

$$N'' = 15 + \frac{1}{2} (N' - 15)$$

2. Determination of In-Situ density:

The in-situ density of soil is determined by core cutter method as per IS: 2720 (Part XXIX) - 1975.



(B) LABORATORY TESTS:

The soil samples collected from the bore holes during field Investigation were sent to the laboratory for determination of soil classification and physical properties.

The following laboratory tests were conducted on soil sample.

1. **Natural moisture content:** It is the ratio of weight of water in the voids to the weight of solids. It is expressed as percentage.

It is determined in the laboratory by Oven drying method as per IS: 2720 (Part-II)-1973. In this method the soil sample (collected in the air tight polythene pack) is dried in thermostatically controlled oven at 105-110°C for 24 hours.

2. **Specific Gravity:** Specific gravity is the ratio of the weight in air of a given volume of a material at a standard temperature to the weight in air of an equal volume of distilled water at the same stated temperature.

The specific gravity of soil sample is determined by density bottle method as per IS: 2720 (Part III/Sec 1) - 1980.

3. Shear Strength test:

When an external load is applied on a soil mass, shearing stresses are induced in it. If the shear stress developed on any plane in the soil exceeds a certain limiting value, failure of the soil occurs.

The maximum shear stress which a given soil can withstand is called its shear strength.

The factors governing the shear strength of a soil are:

(a) Internal friction.

(b) Cohesion.

As it is seen from two nos bore log data sheet that the average soil strata at 2 to 4 m is fine, medium & coarse sand, which is **cohesion less (C=0)**, so **shear parameter angle of internal friction (ϕ)** is found out from **correlation between angle of internal friction and corrected SPT value as per IS 6403 : 1981.**

Unconfined Compression test and Vane Shear test is applicable for pure forms of clay.



2. Grain size analysis :

The soil samples collected from the different depths were used for determination of Grain Size analysis. This is determined in the laboratory by the mechanical analysis, which consists of:

(a) Dry mechanical analysis or sieve analysis. [IS-2720 (Part-4)- 1985]

(b) Wet mechanical analysis or hydrometer analysis. [IS-2720 (Part-4)- 1985]

Determination of Net Safe Bearing Capacity of Soil:

Net Safe Bearing capacity of soil is determined considering the following two aspects :

1. **Shear failure of soil as per IS:6403-1981:** Under this aspect calculations are made for both General Shear failure and Local Shear failure and appropriate value of the either, or a interpolated value as per void ratio is determined as the net safe bearing capacity from shear failure point of view.

2. **Allowable settlement as per IS: 8009 (Part-1)-1986:** Maximum permissible settlement for R.C.C. structure and the type of soil as mentioned in the report(sandy) is 50mm as per IS: 8009 (Part-1)-1986. In the present case considering all aspects, allowable settlement as indicated in the Net allowable bearing capacity Table has been assumed to determine the Net Safe bearing capacity by the formula suggested by Bowles (1988):

$$\text{Net Safe Bearing Capacity} = 0.047 N_{\text{cor}} R_d (B + 0.33)^2 S_a R_w$$

Where

N_{cor} = Design N (SPT) Value

S_a = Allowable Settlement

R_d = Depth Correction Factor

B = Width of Footing

R_w = Water Table Correction

The **Net allowable bearing capacity** is taken as the lesser of the two values determined considering the above two aspects.

The calculations are shown in table- 3, 4, 5, 6 & 7

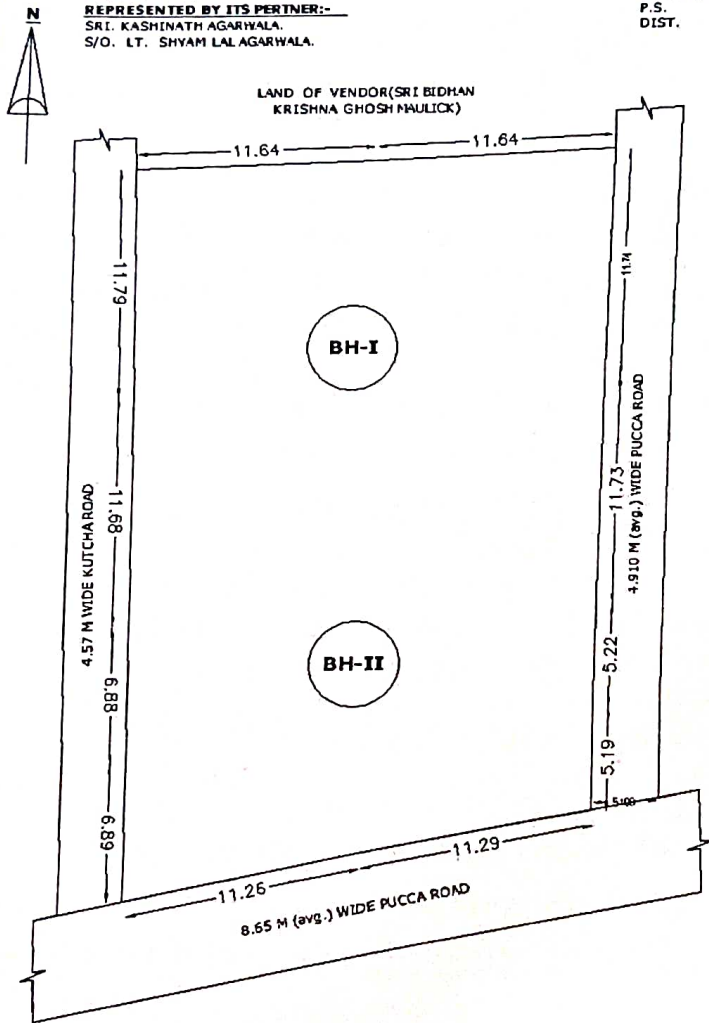


**SITE PLAN SHOWING THE BORE HOLE LOCATION FOR PROPOSED TO
CONSTRUCTION G+4 STORIED RESIDENTIAL BUILDING
SASHTRI NAGAR, NEAR TIRANGA MORE, SILIGURI, WARD NO. - 41(S.M.C.),
P.S- BHAKTINAGAR, DIST.- JALPAIGURI**

NOTE =  - BORE HOLE LOCATION

LAND OWNER:-
"OASIS VENTURES"
AT UNIT NO. - 3, THIRD FLOOR, GOYAL
PLAZA, SEVOKE ROAD, P.S. - BHAKTINAGAR,
DIST. JALPAIGURI.
REPRESENTED BY ITS PARTNER:-
SRI. KASHINATH AGARWALA,
S/O. LT. SHYAM LALAGARWALA.

LAND SCHEDULE:-
MOUZA - DABGRAM
J.L. No. - 2
SHEET NO. - 8(R.S) & 43(L.R)
KHATAN NO. - 98/1(R.S) & 348(L.R)
PLOT NO. - 550(R.S) & 89(L.R)
WARD NO. - 41 (SMC)
P.S. - BHAKTINAGAR
DIST. - JALPAIGURI



DRAWN BY:

SITE PLAN
NOT TO SCALE



Acharya Associates/665/03/2022/ Oasis ventures Represented by its partner- Kashinath Agarwala/Sashtri nagar/Ward no- 41(smc)/Dist.- Jalpaiguri

Table-1
BORE LOG DATA SHEET



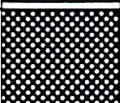

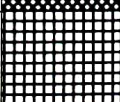
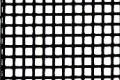
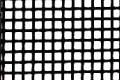
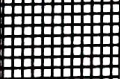
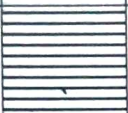



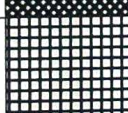



TYPE OF BORING	DIA OF BORE	TYPE OF DRILLING		BORE HOLE NO. 1				
SHELL & AUGER	150 MM	BMD		GROUND/ BED RL	The spot is same from road level.			
TERMINATION DEPTH	9.00 M			LOCATION				
COMMENCED ON : 02/03/2022	COMPLETED ON : 02/03/2022			SASHTRI NAGAR, WARD NO- 41(SMC), DIST.- JALPAIGURI				
GROUND WATER LEVEL	3.6 m							
DESCRIPTION OF STRATA	LEGEND	FROM	TO	Thickness	N	SAMPLES		DEPTH
		m	m	m	Value	Type	Ref. No.	m
Silty fine, medium & coarse sand grey in colour.		2.00	2.45	0.45	10	P	P-I/1	2.15-2.45
Do		3.00	3.45	0.45	18	P	P-I/2	3.15-3.45
Fine, medium, coarse sand with gravel grey in colour.		4.00	4.45	0.45	32	P	P-I/3	4.15-4.45
Do		5.00	5.45	0.45	38	P	P-I/4	5.15-5.45
Fine, medium, coarse sand with gravel and cobble grey in colour.		6.00	6.45	0.45	54	P	P-I/5	6.15-6.45
Do		7.00	7.45	0.45	59	P	P-I/6	7.15-7.45
Do		8.00	8.45	0.45	70	P	P-I/7	8.15-8.45
Do		9.00	9.45	0.45	69	P	P-I/8	9.15-9.45
Code : U-Undisturbed sample, D – Disturbed Sample, L – Large Diameter, C – Core W-Water Sample, P-Penetration. Test, V – Vane Shear Test								
No. of Vane Test : NIL								
No. of Large Diameter Sample : NIL No. of S.P.T. : EIGHT(8) No. of Water Sample : NIL								



Table-2
BORE LOG DATA SHEET

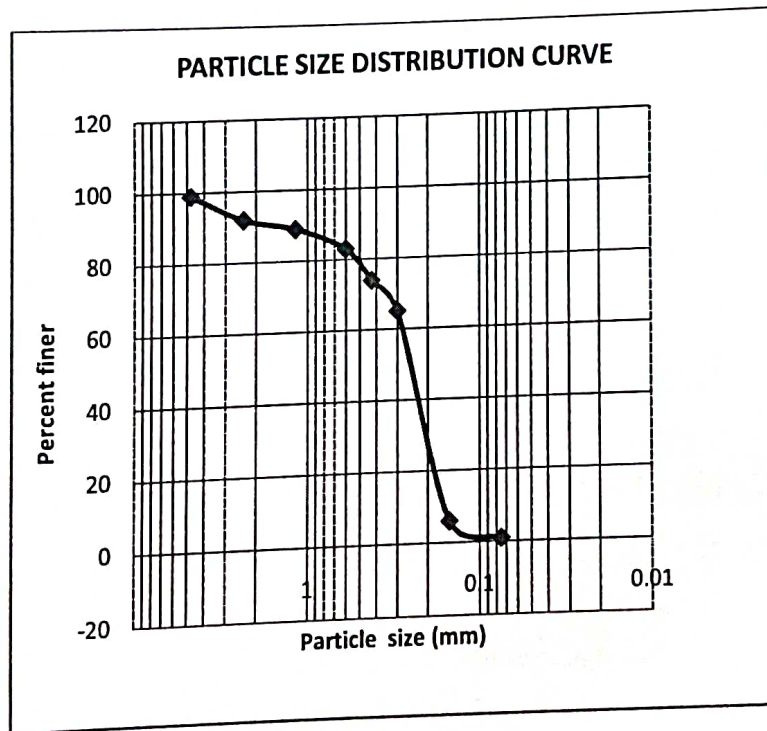
TYPE OF BORING	DIA OF BORE	TYPE OF DRILLING		BORE HOLE NO. 2				
SHELL & AUGER	150 MM	BMD		GROUND/ BED RL	The spot is same from road level.			
TERMINATION DEPTH	9.00 M			LOCATION				
COMMENCED ON : 02/03/2022	COMPLETED ON : 02/03/2022			SASHTRI NAGAR, WARD NO- 41(SMC), DIST.- JALPAIGURI				
GROUND WATER LEVEL	3.6 m							
DESCRIPTION OF STRATA	LEGEND	FROM	TO	Thickness	N	SAMPLES		DEPTH
		m	m	m	Value	Type	Ref. No.	m
Silty fine, medium & coarse sand grey in colour.		2.00	2.45	0.45	9	P	P-II/1	2.15-2.45
Do		3.00	3.45	0.45	19	P	P-II/2	3.15-3.45
Fine, medium, coarse sand with gravel grey in colour.		4.00	4.45	0.45	23	P	P-II/3	4.15-4.45
Do		5.00	5.45	0.45	31	P	P-II/4	5.15-5.45
Fine, medium, coarse sand with gravel and cobble grey in colour.		6.00	6.45	0.45	46	P	P-II/5	6.15-6.45
Do		7.00	7.45	0.45	63	P	P-II/6	7.15-7.45
Do		8.00	8.45	0.45	62	P	P-II/7	8.15-8.45
Do		9.00	9.45	0.45	66	P	P-II/8	9.15-9.45
Code : U-Undisturbed sample, D - Disturbed Sample, L - Large Diameter, C - Core W-Water Sample, P-Penetration. Test, V - Vane Shear Test								
No. of Vane Test : NIL								
No. of Large Diameter Sample : NIL No. of S.P.T. : EIGHT(8) No. of Water Sample : NIL								



**GRAIN SIZE ANALYSIS OF BORE HOLE-1
AT DEPTH- 2.0 M**

Total wt of sample =470 gm

Sieve size	Wt. of Sieve	Wt. of Sieve + soil	Wt. of soil	% retained	Cumulative % retained	% finer
mm	gm	gm	gm			
4.750	424	429	5	1.06	1.06	99
2.360	378	409	31	6.60	7.66	92
1.180	342	357	15	3.19	10.85	89
0.600	363	394	31	6.6	17.45	83
0.425	320	361	41	8.72	26.17	74
0.300	345	387	42	8.94	35.11	65
0.150	343	621	278	59.15	94.26	6
0.075	338	358	20	4.26	98.52	1



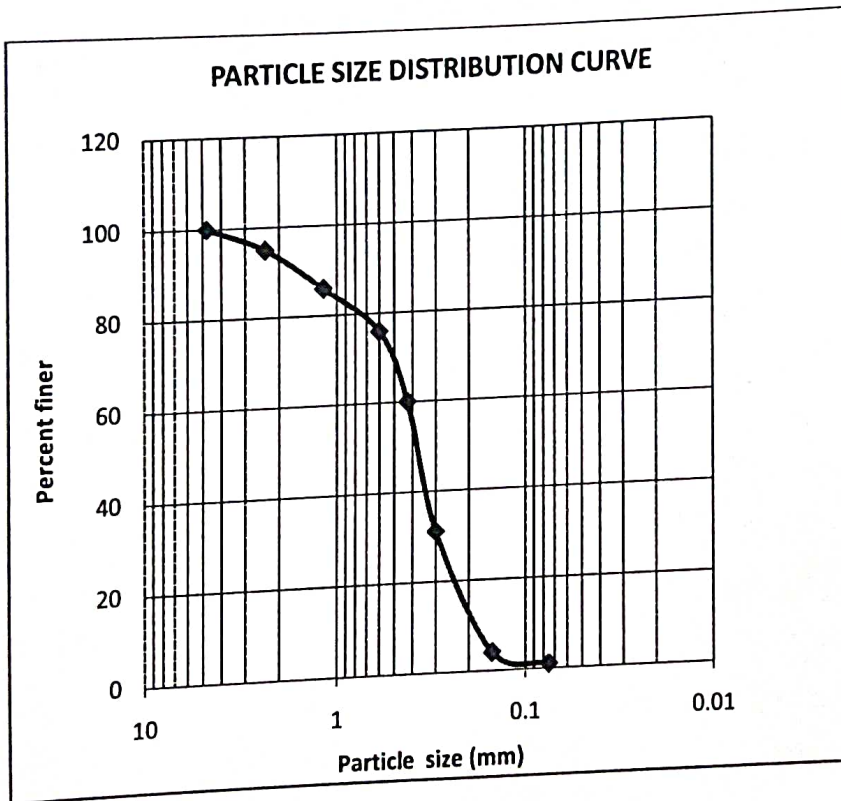
CLAY %	SILT %	SAND %			GRAVEL %
		FINE %	MEDIUM %	COARSE %	
0	1	73	18	7	1



**GRAIN SIZE ANALYSIS OF BORE HOLE-2
AT DEPTH- 2.0 M**

Total wt of sample = 520 gm

Sieve size	Wt. of Sieve	Wt. of Sieve + soil	Wt. of soil	% retained	Cumulative % retained	% finer
mm	gm	gm	gm			
4.750	424	426	2	0.38	0.38	100
2.360	378	402	24	4.62	5	95
1.180	342	391	49	9.42	14.42	86
0.600	363	413	50	9.62	24.04	76
0.425	320	402	82	15.77	39.81	60
0.300	345	495	150	28.85	68.66	31
0.150	343	487	144	27.69	96.35	4
0.075	338	351	13	2.50	98.85	1



CLAY %	SILT %	SAND %			GRAVEL %
		FINE %	MEDIUM %	COARSE %	
0	1	59	35	5	0



Table-3

ESTIMATED PHYSICAL PROPERTIES OF SOIL

Bulk density, γ_b (t/m ³)	1.86
Natural Moisture Content w (%)	18.35
Natural Dry density γ_d (t/m ³)	1.57
Specific Gravity, G	2.70
Void ratio, e	0.72
Saturated density, γ_{sat} (t/m ³)	1.99
Submerged density, γ_{sub} (t/m ³)	0.99
Angle of internal friction, ϕ (Degree)	30
Angle of internal friction, ϕ' (Degree)	21.15



Table-4
CORRECTION OF FIELD SPT (N) VALUE

Depth (m)	Bulk Density (gm/cc)	EOP (Kg/sq.cm)	C _n	N	N'	N''	Design N Value
2	1.86	0.37	1.32	9	11.88	11.88	18.26
3	1.86	0.56	1.16	18	20.88	17.94	22.63
4	1.86	0.74	1.08	23	24.84	19.92	26.44
5	1.86	0.93	1.02	31	31.62	23.31	29.53
6	1.86	1.12	0.95	46	43.70	29.35	31.60
7	1.86	1.30	0.87	59	51.33	33.17	32.35
8	1.86	1.49	0.80	62	49.60	32.30	31.95
9	1.86	1.67	0.73	66	48.18	31.59	

N= Field N value (Minimum of all bore holes).

N' = N Value after overburden correction.

N''= N Value after Dilatancy correction.

EOP= Effective Overburden pressure.

C_n= Overburden correction.



Table-5

Calculation of Net Safe Bearing Capacity as per IS-6403:1981, Based on General Shear Failure with ϕ determined from Design 'N' value, derived from corrected field N value as per IS- 2131:1981.

Width (B in m)	2	3	4	3	4	5
Sub merged density of soil (t/m ³)	0.99	0.99	0.99	0.99	0.99	0.99
Sat. density (γ_{sat}) of the soil (t/m ³)	1.99	1.99	1.99	1.99	1.99	1.99
Depth (D in m)	2	2	2	3	3	3
Surcharge (q in t/ m ²)	1.98	1.98	1.98	2.97	2.97	2.97
ϕ (degree)	30	30	30	30	30	30
Water table correction (w^1)	0.5	0.5	0.5	0.5	0.5	0.5
Shape factors						
s_q	1.2	1.2	1.2	1.2	1.2	1.2
s_γ	0.8	0.8	0.8	0.8	0.8	0.8
Depth factors						
d_q	1.17	1.12	1.09	1.17	1.13	1.1
d_γ	1.17	1.12	1.09	1.17	1.13	1.1
Inclination factors						
i_q	1	1	1	1	1	1
i_γ	1	1	1	1	1	1
Bearing capacity factors						
N_q	18.4	18.4	18.4	18.4	18.4	18.4
N_γ	22.4	22.4	22.4	22.4	22.4	22.4
$q.(N_q - 1).s_q.d_q.i_q$ (t/m ²)	48.37	46.3	45.06	72.56	70.08	68.21
$0.5.B.\gamma_{sat}.N_\gamma.s_\gamma.d_\gamma.i_\gamma.w^1$ (t/m ²)	20.86	29.96	38.87	31.29	40.3	49.03
Ultimate net bearing capacity(t/m ²)	69.23	76.26	83.93	103.85	110.38	117.24
Factor of safety	3	3	3	3	3	3
Net Safe Bearing Capacity (t/m ²)	23.08	25.42	27.98	34.62	36.79	39.08



Table-6
Calculation of Net Safe Bearing Capacity as per IS-6403:1981, Based on
Local Shear Failure with ϕ determined from Design 'N' value, derived
from corrected field N value as per IS- 2131:1981.

Width (B in m)	2	3	4	3	4	5
Sub merged density of soil(t/m^3)	0.99	0.99	0.99	0.99	0.99	0.99
Saturated density (γ_{sat}) of the soil (t/m^3)	1.99	1.99	1.99	1.99	1.99	1.99
Depth (D in m)	2	2	2	3	3	3
Surcharge (q in t/m^2)	1.98	1.98	1.98	2.97	2.97	2.97
ϕ' (degree)	21.15	21.15	21.15	21.15	21.15	21.15
Water table correction(w^1)	0.5	0.5	0.5	0.5	0.5	0.5
Shape factors						
s_q	1.2	1.2	1.2	1.2	1.2	1.2
s_γ	0.8	0.8	0.8	0.8	0.8	0.8
Depth factors						
d_q	1.17	1.12	1.09	1.17	1.13	1.1
d_γ	1.17	1.12	1.09	1.17	1.13	1.1
Inclination factors						
i_q	1	1	1	1	1	1
i_γ	1	1	1	1	1	1
Bearing capacity factors						
N'_q	7.38	7.38	7.38	7.38	7.38	7.38
N'_γ	6.65	6.65	6.65	6.65	6.65	6.65
$q.(N'_q -1).s_q.d_q.i_q(t/m^2)$	17.74	16.98	16.52	26.6	25.69	25.01
$0.5.B.\gamma_{sat}.N'_\gamma.s_\gamma.d_\gamma.i_\gamma.w^1(t/m^2)$	6.19	8.89	11.54	9.29	11.96	14.56
Ultimate net bearing capacity(t/m^2)	23.93	25.87	28.06	35.89	37.65	39.57
Factor of safety	3	3	3	3	3	3
Net Safe Bearing Capacity (t/m^2)	7.98	8.62	9.35	11.96	12.55	13.19



Table: 7

Summary Table of calculation of Net Safe Bearing Capacities based on Shear Failure and Settlement criteria as per Codal Provisions based on which Suggested Net Safe Bearing Capacity has been recommended.

Depth (D) metre	Width (B) metre	Length (L) metre	Net Safe Bearing Capacity Based on General Shear Failure(t/m ²)	Net Safe Bearing Capacity Based on Local Shear Failure(t/m ²)	Void Ratio	Net Safe Bearing Capacity Based on Void Ratio (t/m ²)	Net Safe Bearing Capacity Based on Allowable Settlement (t/m ²)	Suggested Net Safe Bearing Capacity (t/m ²)
2	2	2	23.08	7.98	0.72	10.25	20.16	10.25
	3	4	23.53	8.02	0.72	10.35	16.79	10.35
	3	3	25.42	8.62	0.72	11.14	16.79	11.14
	4	4	27.98	9.35	0.72	12.14	15.24	12.14
3	3	3	34.62	11.96	0.72	15.36	27.63	15.36
	3	4	32.30	11.21	0.72	14.37	27.63	14.37
	4	4	36.79	12.55	0.72	16.19	24.65	16.19
	5	5	39.08	13.19	0.72	17.07	22.96	17.07

Recommendations:

1. Above recommendations are made for isolated footings of mentioned sizes and depth.
2. For footings of intermediate size, interpolation may be done.
3. Recommendation are also valid for strip footing of equivalent width.

Prepared By:

Checked by:



Avijit Ghosh
Er. AVIJIT GHOSH
Geotechnical Engineer, Class-I
S.M.C. Empanelment No. 1/10
Wahlan Road, Siliguri, Mob. No. 98323 7
consultavijit@hotmail.com

PHOTOGRAPH



SILIGURI MUNICIPAL CORPORATION

P.O. SILIGURI, DIST. - DARJEELING, PIN - 734001, 734002, 734003, 734004, 734005, 734006, 734007, 734008, 734009, 734010, 734011, 734012, 734013, 734014, 734015, 734016, 734017, 734018, 734019, 734020, 734021, 734022, 734023, 734024, 734025, 734026, 734027, 734028, 734029, 734030, 734031, 734032, 734033, 734034, 734035, 734036, 734037, 734038, 734039, 734040, 734041, 734042, 734043, 734044, 734045, 734046, 734047, 734048, 734049, 734050, 734051, 734052, 734053, 734054, 734055, 734056, 734057, 734058, 734059, 734060, 734061, 734062, 734063, 734064, 734065, 734066, 734067, 734068, 734069, 734070, 734071, 734072, 734073, 734074, 734075, 734076, 734077, 734078, 734079, 734080, 734081, 734082, 734083, 734084, 734085, 734086, 734087, 734088, 734089, 734090, 734091, 734092, 734093, 734094, 734095, 734096, 734097, 734098, 734099, 734100

From: - Commissioner
Siliguri Municipal Corporation

Memo no - 211/ASMC/Bldg/18-19
From: - Commissioner
Siliguri Municipal Corporation



Date: 14-03-19

Memo no - 211/ASMC/Bldg/18-19

Date: 14-03-19

To: Acharaya Associates
35, Deshbandhu Para,
Subhash Pally,
Siliguri-734001

Sub-Enlistment Certificate for conducting of Soil investigation/testing work within Siliguri Municipal Corporation.

This is to inform you that : Acharaya Associates 35, Deshbandhu Para, Subhash Pally, Siliguri-734001 has been allowed and permitted to conduct the job of soil investigation and construction material testing with Siliguri Municipal Corporation area with the terms & conditions and limits decided by the Corporation from time to time.

Terms & Conditions:

The Enlistment will be generally guided by the following Terms & Conditions :

1. The Validity of the Enlistment initially 05 (Five) Years with yearly renewable as the fees decided by the Corporation.
2. The renewal fees shall be paid within last working days of March in every financial year & after the month of March, failing which fees to be paid with a fine @ Rs. 200/- (Two Hundred) only per month in additional to normal renewal fees, subject to revisions from time to time.
3. That in case renewal fee for enlistment falls due for two consecutive year (upto last working day of the second year), enlistment shall be liable to be terminated.
4. The enlistment is not transferable.
5. The fitness certificate of machineries (Testing Apparatus) to be submitted in every two years.
6. The Corporation may at any time cancelled the Enlistment during the validity of the enlistment, if the Authority is satisfied that:
 - (a) The firm is adjudged insolvent or of unsound mind, or is engaged in or committed to any anti social activities.
 - (b) For bad workman ship resulting of poor quality of work, failure to safe Corporation property against theft & pilferage and any other work to be considered detrimental to the Corporation's interest.
 - (c) And any other activities or action or behavior against the interest of Corporation.



... of Council
... rule to rules or amend any of its rule or rules from time
and when necessary.

Commissioner
Siliguri Municipal Corporation

Dated: 11-0-21

No. 3/A/1 (13554) T-4-12-19

- 01. The Hon'ble Mayor, SMC, Siliguri.
- 02. The Hon'ble Deputy Mayor, SMC, Siliguri
- 03. The Commissioner of Income Tax, Siliguri,
- 04. The Commissioner - Excise Tax, Siliguri,
- 05. The M.D. P.W.D. - Siliguri.
- 06. The Secretary, SMC, Siliguri.
- 07. The Executive Engineer, SMC, Siliguri
- 08. The Finance Officer, SMC, Siliguri.
- 09. The Head Clerk, SMC, Siliguri.
- 10. The Accounts Officer, SMC, Siliguri.
- 11. The Engineer, SMC, Siliguri.
- 12. Building Section - SMC, Siliguri.
- 13. General File.

Commissioner
Siliguri Municipal Corporation

Form No 97
[Vide Rules 17 & 249]
SILIGURI Municipal Corporation

Receipt Voucher

No. 1276
Date 07-06-2021

Received From ACHARYA ASSOCIATES
SUBHAS PALLY, WARD NO. 18, SILIGURI

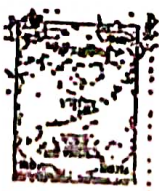
On Account of (Account Head)	Amount	Remarks (if any)
1401004 REGISTRATION OF PROFESSIONALS/ENLISTMENT FEES	7500.00	RENEWAL

TOTAL	7500.00	

LICENCE VALID FOR THE YEAR 2021 - 2022
The Sum of Rupees Seven Thousand Five Hundred Only

(in figures) Rs. *****7500.00 [Cash:*****7500.00 , Chq/DD:*****0.00]

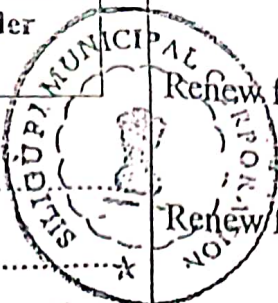
Cashier
CASH 07-06-21 12:27 PM



Vice Chairman/Auth. Signatory/E.O.

Empanelled Geo Tech Engineer III under
Siliguri Municipal Corporation.

NAME: AVIJIT GHOSH



Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....

ADDRESS: Aarjee Lodge Building,
Bickar Road Siliguri,
734001.

Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....

EMPANELMENT NO: Geo Tech / I-10

Renew for the year of 20..... 20.....

CLASS: I

Renew for the year of 20..... 20.....

VALID W.E.F. 8.11.2019
valid upto - 31.3.20

Grijit Ghosh
Signature of Geo Tech. Engineer.

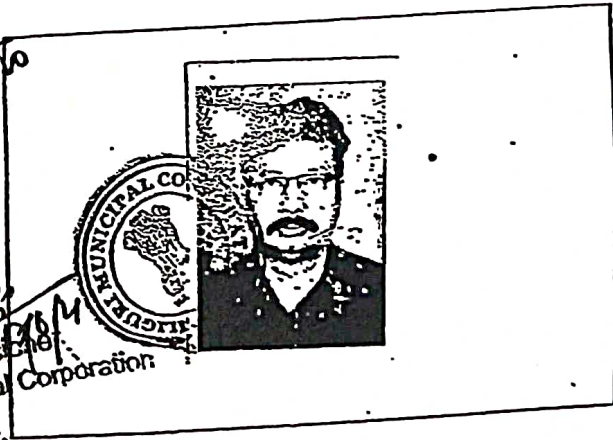
Sd/-
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20²⁰..... 20²¹.....

Renew for the year of 20..... 20.....
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20²¹..... 20²².....

Renew for the year of 20..... 20.....
Commissioner
Siliguri Municipal Corporation



Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....

THIS CARD IS TO BE PRODUCED
DURING SUBMISSION OF PLANS
AND IDENTIFICATION.

Sd/-
Commissioner
Siliguri Municipal Corporation



Unpanelled Geo Technical Engineer Class
under Siliguri Municipal Corporation.



NAME: Smt. Sujayit Chatterjee

Renew for the year of 20..... 20.....
Renew for the year of 20..... 20.....

ADDRESS: S/O Binoy Chatterjee

Renew for the year of 20..... 20.....

"Lila Smriti" Hospital Marg

Renew for the year of 20..... 20.....

Near Children Park Siliguri

Renew for the year of 20..... 20.....

PANEL METN NO. Geo/Tech/I-07

Renew for the year of 20..... 20.....

CLASS: I

VALID W.E.F. 28/08/17

Renew for the year of 20..... 20.....

FOR THE FINANCIAL YEAR 2017-2018

Sujayit Chatterjee
Signature of E.G.T.E.

Sd/-
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20..18..... 20..19.....

Sujayit Chatterjee
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20..... 20.....
2019 20 20

Sujayit Chatterjee
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20..... 20.....

Sujayit Chatterjee
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20...20..... 20...21.....

Sujayit Chatterjee
Commissioner
Siliguri Municipal Corporation

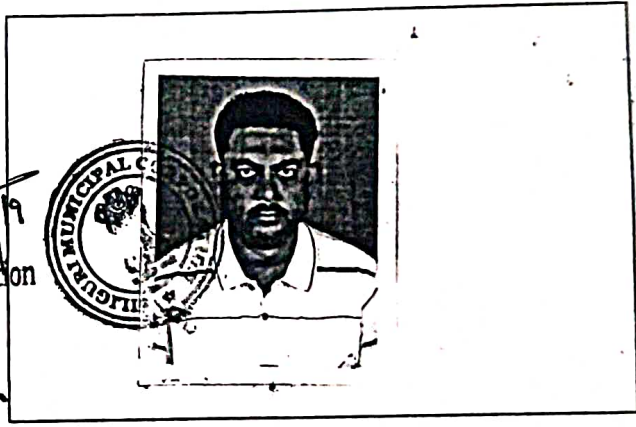
Renew for the year of 20..21..... 2022.....

Sujayit Chatterjee
Commissioner
Siliguri Municipal Corporation

Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....

Renew for the year of 20..... 20.....



**THIS CARD IS TO BE PRODUCED
DURING SUBMISSION OF PLANS
AND IDENTIFICATION.**

Sujayit Chatterjee
Commissioner
Siliguri Municipal Corporation

