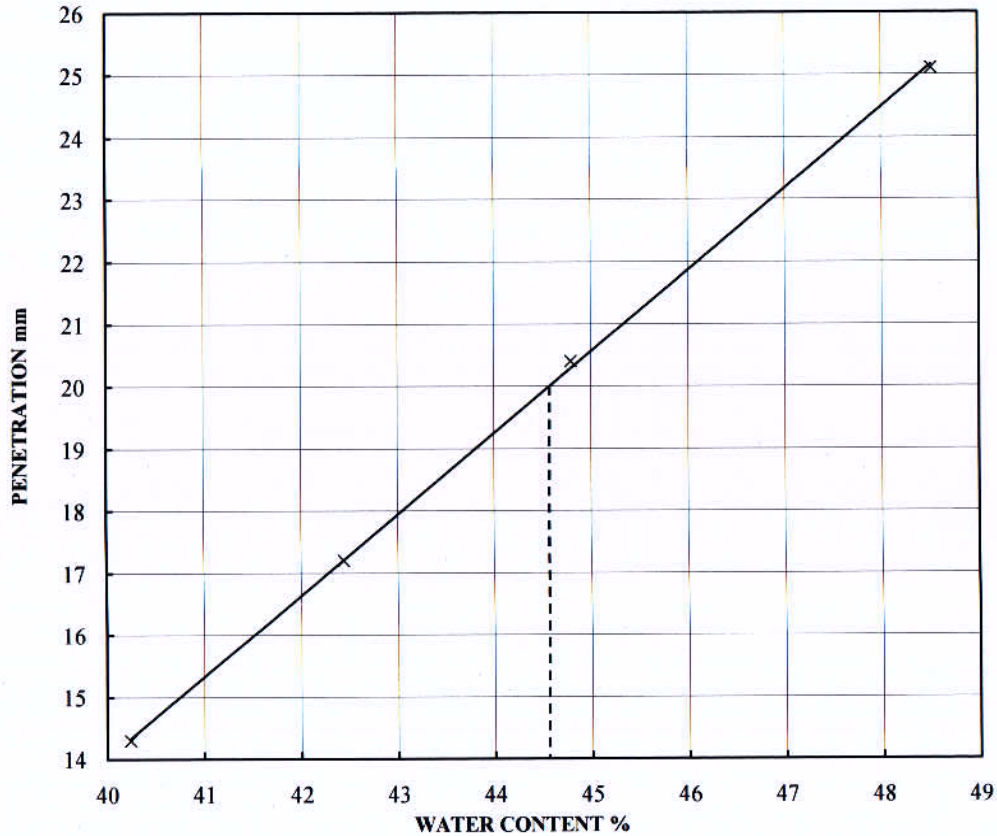


**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

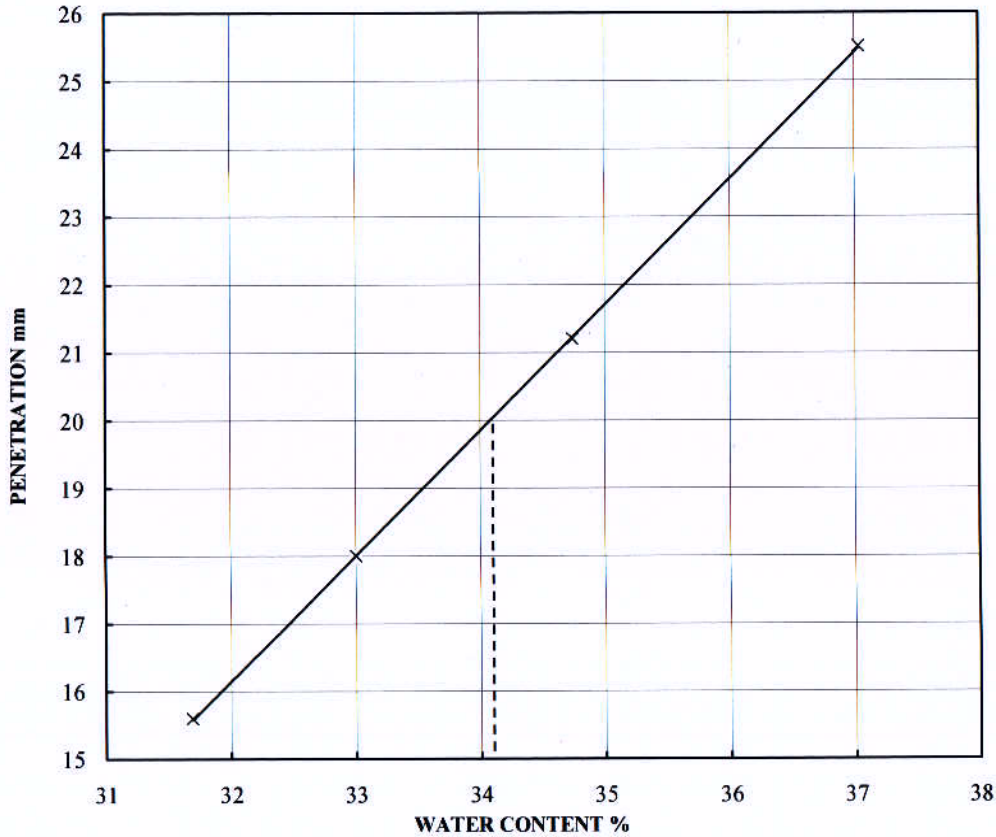
Percentage of passing 0.425mm B.S. Sieve = 92%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	32.45	40.54	26.38	28.91	17.56	20.32
Wet Weight + Tare (g)	32.45	40.54	26.38	28.91	17.56	20.32
Dry Weight + Tare (g)	25.54	30.94	20.83	22.27	16.16	18.46
Tare Weight (g)	8.37	8.32	8.44	8.59	9.95	10.30
Water Content (%)	40.24	42.44	44.79	48.52	22.52	22.79
Penetration (mm)	14.30	17.20	20.40	25.10		

LIQUID LIMIT (%) 45  
 PLASTIC LIMIT (%) 23  
 PLASTICITY INDEX (%) 22

Sample Type : UDS		Borehole No. 1/34+360		Sample No: UDS-7	Depth (m): 20.00
XPLORER		Site Ref: Hapur - Meerut Section		Job No : 1342	Test Report No: XPL/2015-16/02
Operator :	Checked :	Authorised Signatory			
Date : 18/03/2016	Date: 21/3/16	Date: 21/3/2016			

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

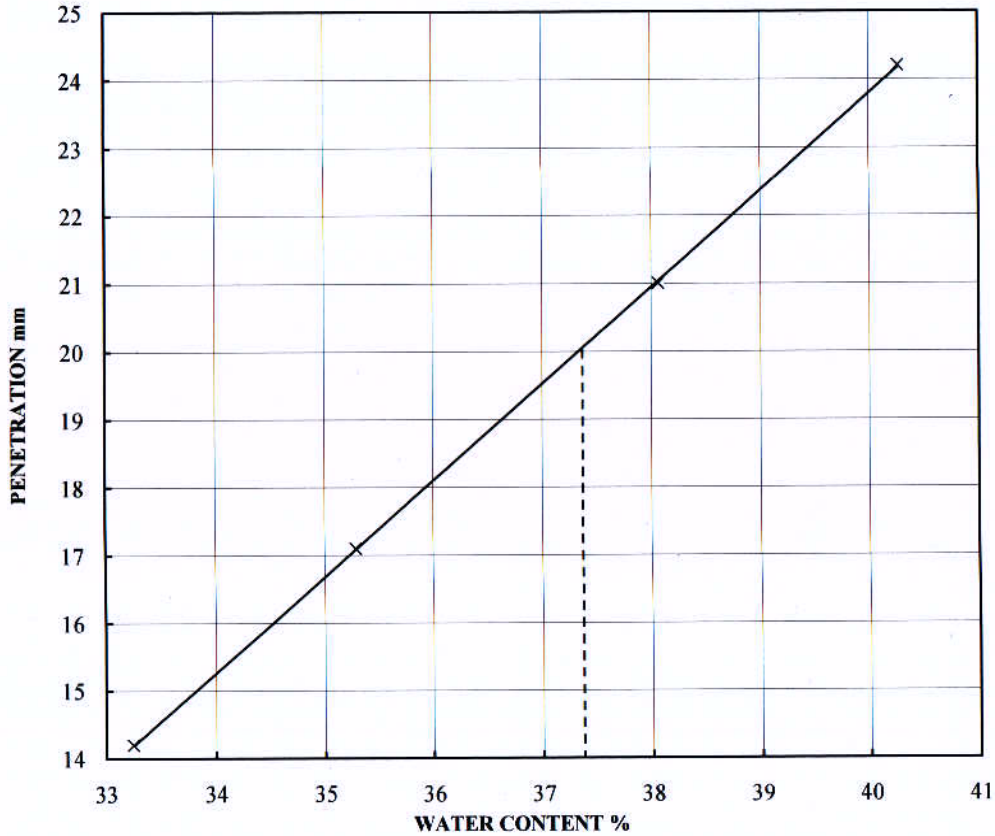
Percentage of passing 0.425mm B.S.Sieve = 93%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	19.74	22.68	21.70	23.05	20.56	19.61
Wet Weight + Tare (g)	19.74	22.68	21.70	23.05	20.56	19.61
Dry Weight + Tare (g)	17.30	19.66	18.41	19.65	18.65	17.84
Tare Weight (g)	9.60	10.51	8.94	10.47	10.14	9.97
Water Content (%)	31.69	33.01	34.74	37.04	22.44	22.49
Penetration (mm)	15.60	18.00	21.20	25.50		

LIQUID LIMIT (%) 34  
 PLASTIC LIMIT (%) 22  
 PLASTICITY INDEX (%) 12

Sample Type : UDS	
Borehole No. 1/48+400	Sample No: UDS-1
Depth (m): 2.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator :	Checked :
Date : 18/03/2016	Date: 21/3/15
Authorised Signatory	
Date: 21/3/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

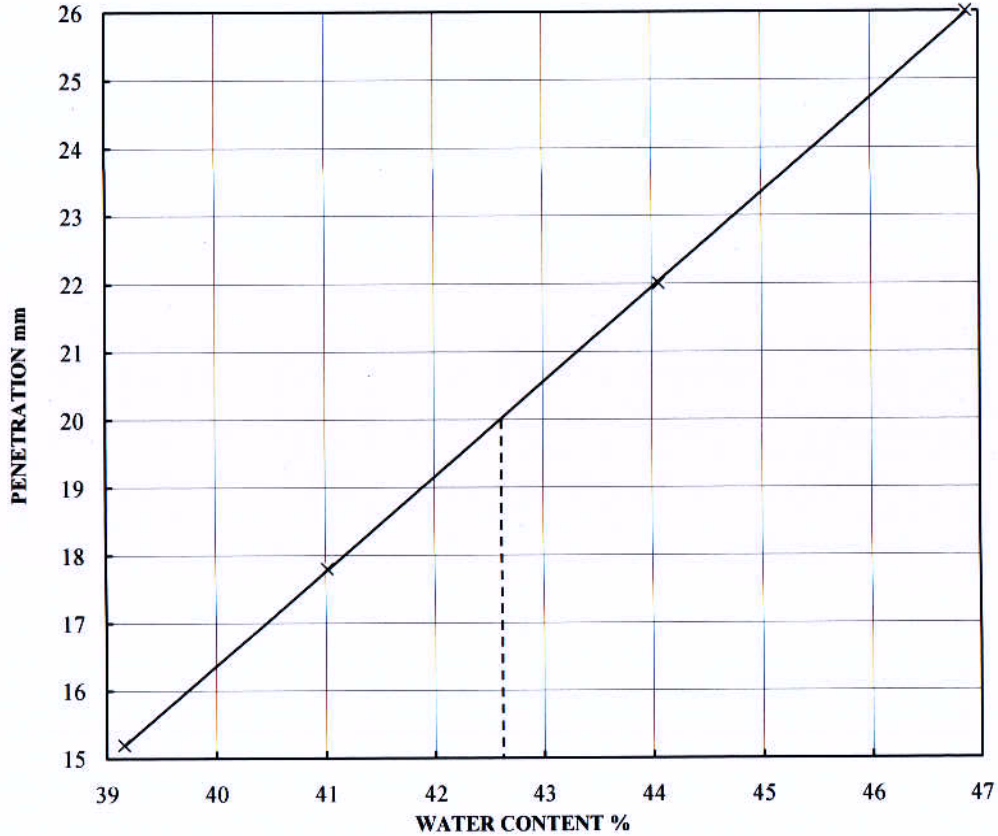
Percentage of passing 0.425mm B.S.Sieve = 90%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	26.19	27.80	29.01	31.74	24.23	22.45
Wet Weight + Tare (g)	26.19	27.80	29.01	31.74	24.23	22.45
Dry Weight + Tare (g)	21.79	22.80	23.38	25.42	22.17	20.57
Tare Weight (g)	8.55	8.63	8.59	9.71	10.37	9.79
Water Content (%)	33.25	35.29	38.07	40.27	17.41	17.46
Penetration (mm)	14.20	17.10	21.00	24.20		

LIQUID LIMIT (%) 37  
 PLASTIC LIMIT (%) 17  
 PLASTICITY INDEX (%) 20

Sample Type : UDS		Borehole No. 1/48+400		Sample No: UDS-5	Depth (m): 14.00
XPLORER		Site Ref: Hapur - Meerut Section		Job No : 1342	Test Report No: XPL/2015-16/02
Operator :	Checked :	Authorised Signatory			
Date : 17/03/2016	Date: 21/3/16	Date: 21/3/2016			

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

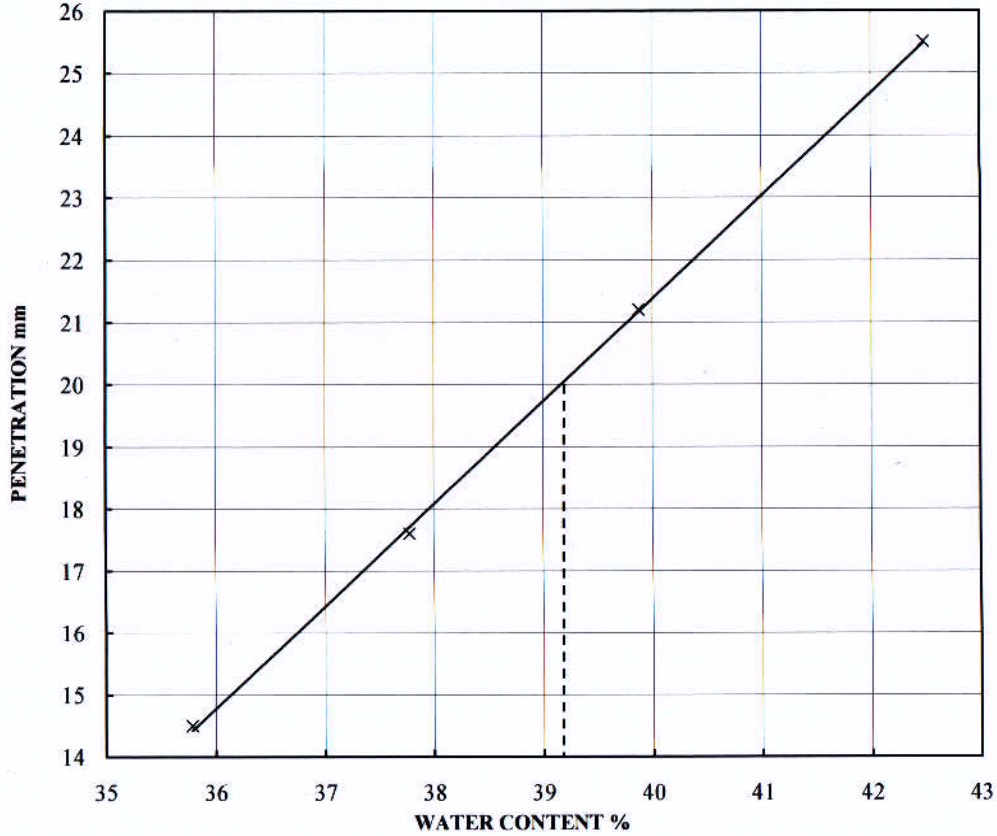
Percentage of passing 0.425mm B.S.Sieve = 95%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	21.01	22.97	25.60	25.52	20.85	20.52
Wet Weight + Tare (g)	21.01	22.97	25.60	25.52	20.85	20.52
Dry Weight + Tare (g)	17.39	19.18	20.51	20.02	18.77	18.78
Tare Weight (g)	8.13	9.94	8.96	8.29	8.86	10.58
Water Content (%)	39.16	41.02	44.07	46.89	20.99	21.22
Penetration (mm)	15.20	17.80	22.00	26.00		

LIQUID LIMIT (%) 43  
 PLASTIC LIMIT (%) 21  
 PLASTICITY INDEX (%) 22

Sample Type : UDS	
Borehole No. 1/48+400	Sample No: UDS-6
Depth (m): 17.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator :	Checked :
Authorised Signatory	
Date : 17/03/2016	Date: 21/3/16
Date: 21/03/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

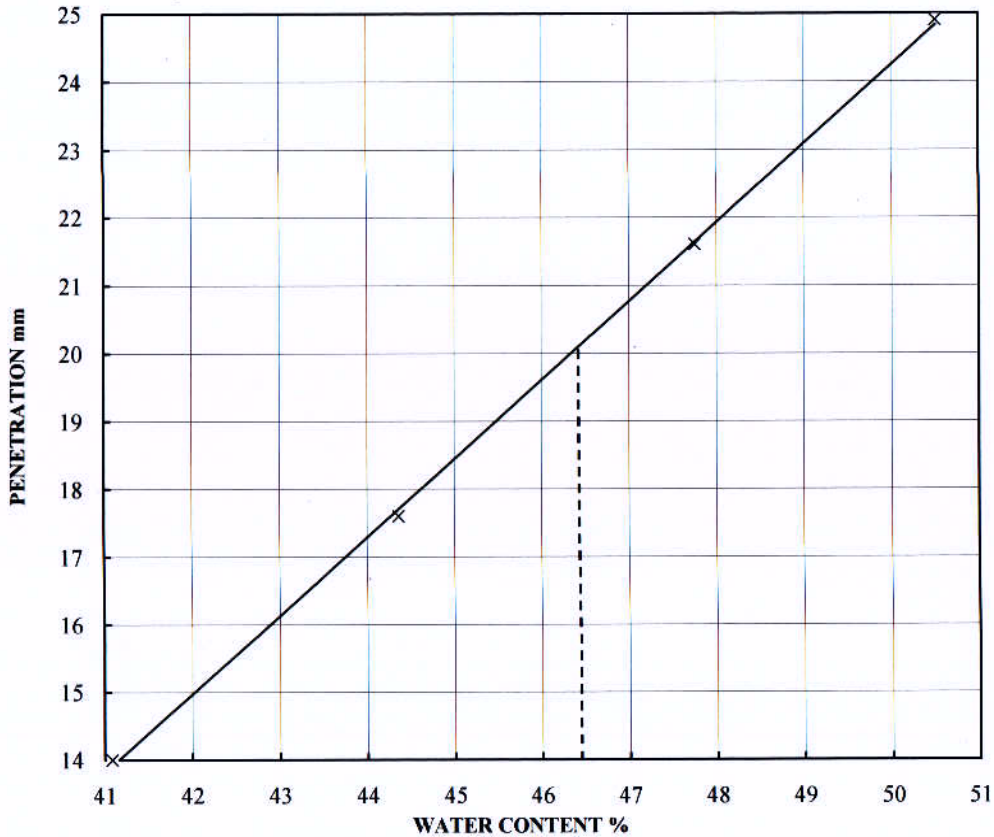
Percentage of passing 0.425mm B.S.Sieve = 93%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	26.43	37.51	26.41	32.51	20.42	20.26
Wet Weight + Tare (g)	26.43	37.51	26.41	32.51	20.42	20.26
Dry Weight + Tare (g)	22.10	31.50	21.84	25.50	18.66	18.55
Tare Weight (g)	10.00	15.59	10.38	9.00	9.93	10.18
Water Content (%)	35.79	37.77	39.88	42.48	20.16	20.42
Penetration (mm)	14.50	17.60	21.20	25.50		

LIQUID LIMIT (%) 39  
 PLASTIC LIMIT (%) 20  
 PLASTICITY INDEX (%) 19

Sample Type : UDS	
Borehole No. 1/48+400	Sample No: UDS-8
Depth (m): 23.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator :	Checked :
Authorised Signatory	
Date : 18/03/2016	Date: 21/3/16
Date: 21/7/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

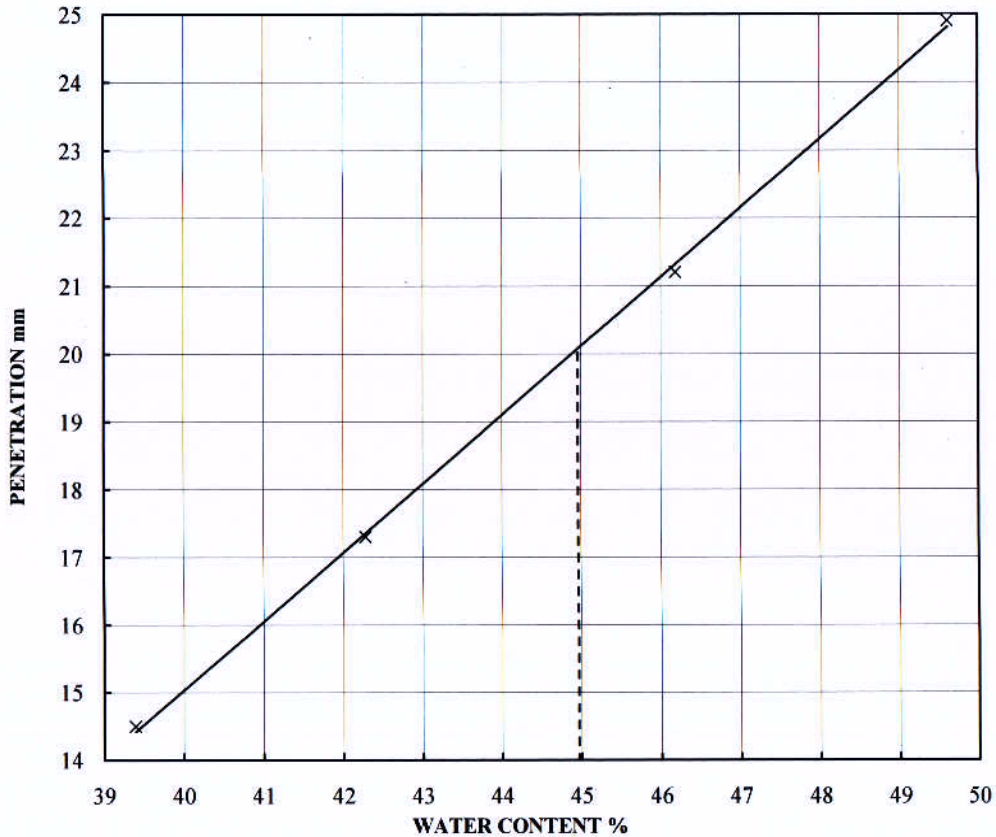
Percentage of passing 0.425mm B.S.Sieve = 87%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	25.01	25.75	27.38	24.59	20.25	19.80
Wet Weight + Tare (g)	25.01	25.75	27.38	24.59	20.25	19.80
Dry Weight + Tare (g)	20.70	21.07	21.32	19.62	18.10	17.99
Tare Weight (g)	10.21	10.52	8.63	9.78	8.69	10.13
Water Content (%)	41.09	44.36	47.75	50.51	22.85	23.03
Penetration (mm)	14.00	17.60	21.60	24.90		

LIQUID LIMIT (%) 46  
 PLASTIC LIMIT (%) 23  
 PLASTICITY INDEX (%) 23

Sample Type : UDS	
Borehole No. 1/49+250	Sample No: UDS-1
Depth (m): 2.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator :	Checked :
Authorised Signatory	
Date : 17/03/2016	Date: 21/3/16
Date: 21/3/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

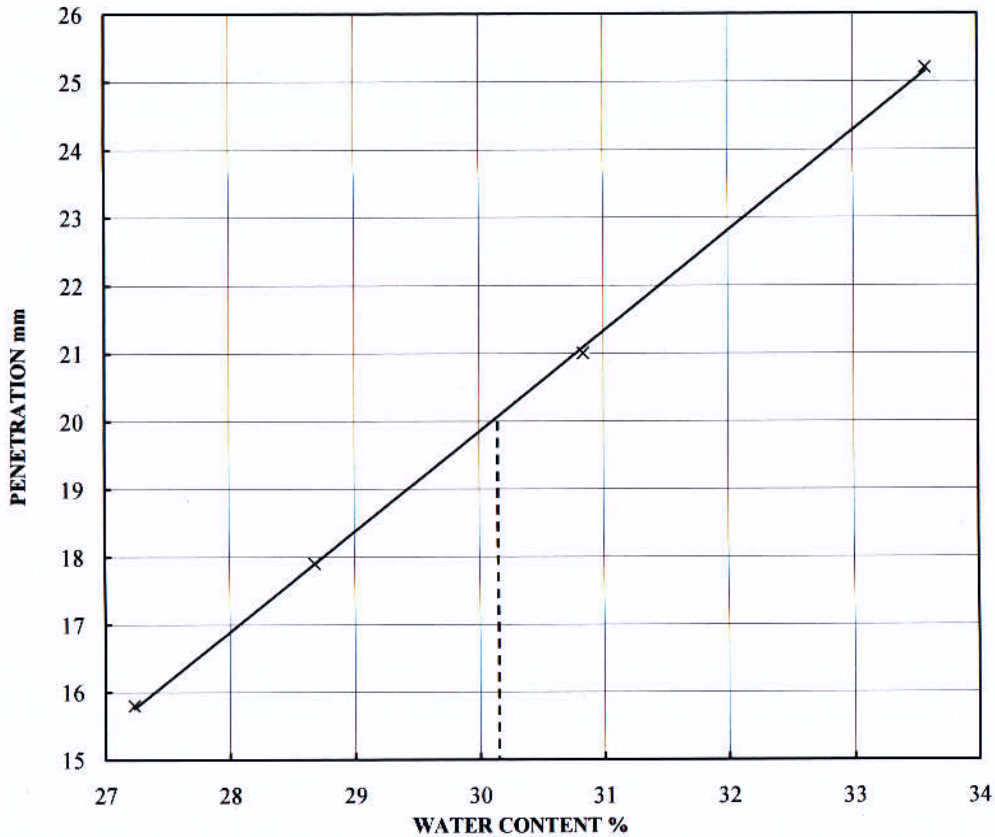
Percentage of passing 0.425mm B.S.Sieve = 93%

	LIQUID LIMIT %				PLASTIC LIMIT %	
	28.57	26.38	30.18	31.52	19.87	20.15
Wet Weight + Tare (g)	28.57	26.38	30.18	31.52	19.87	20.15
Dry Weight + Tare (g)	22.85	21.34	23.40	24.42	17.80	18.30
Tare Weight (g)	8.33	9.42	8.72	10.11	8.55	10.00
Water Content (%)	39.39	42.28	46.19	49.62	22.38	22.29
Penetration (mm)	14.50	17.30	21.20	24.90		

LIQUID LIMIT (%) 45  
 PLASTIC LIMIT (%) 22  
 PLASTICITY INDEX (%) 23

Sample Type : UDS	
Borehole No. 1/49+250	Sample No: UDS-5
Depth (m): 14.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator : <i>[Signature]</i>	Checked : <i>[Signature]</i>
Authorised Signatory <i>[Signature]</i>	
Date : 16/3/2016	Date: 21/3/16
Date: 21/3/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

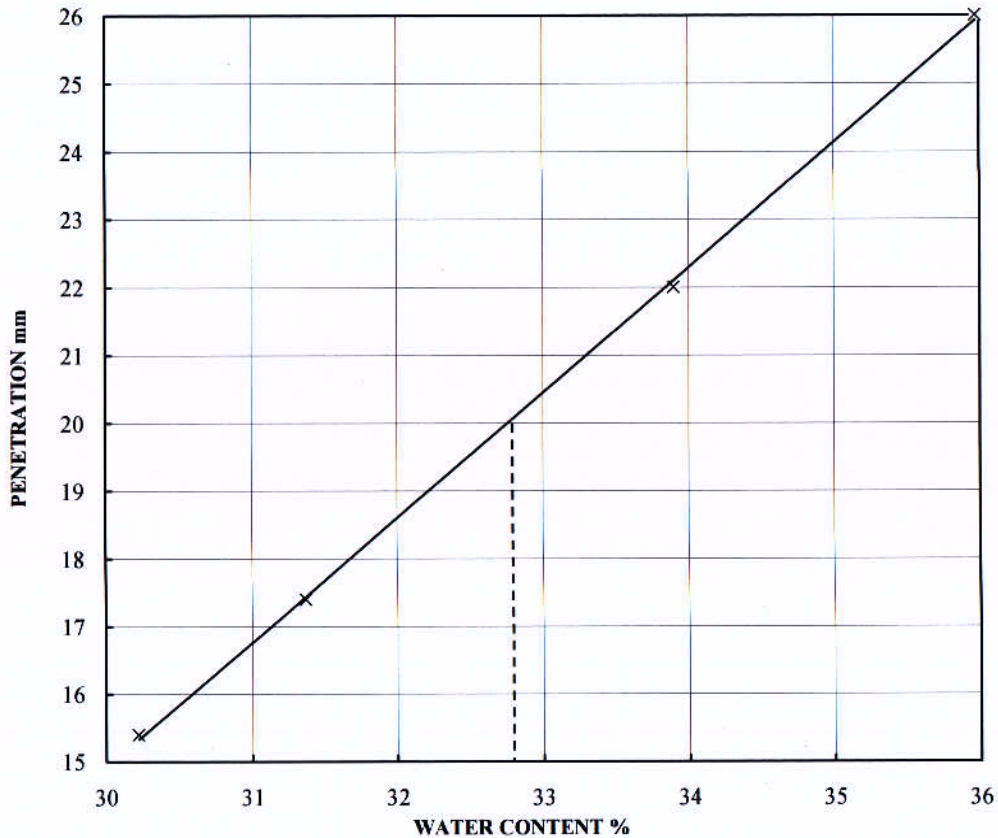
Percentage of passing 0.425mm B.S.Sieve = 94%

	LIQUID LIMIT %				PLASTIC LIMIT %
Wet Weight + Tare (g)	28.69	30.52	28.22	31.88	
Dry Weight + Tare (g)	24.39	26.06	24.06	26.05	
Tare Weight (g)	8.60	10.51	10.57	8.69	NP
Water Content (%)	27.23	28.68	30.84	33.58	
Penetration (mm)	15.80	17.90	21.00	25.20	
LIQUID LIMIT (%)	30				
PLASTIC LIMIT (%)	NP				
PLASTICITY INDEX (%)					

Sample Type : UDS		Borehole No. 1/49+250		Sample No: UDS-8		Depth (m): 23.00	
<b>XPLORER</b>		Site Ref: Hapur - Meerut Section		Job No : 1342		Test Report No: XPL/2015-16/02	
Operator :				Authorised Signatory			
Date : 17/03/2016		21/3/16		Date:		21/3/2016	



**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

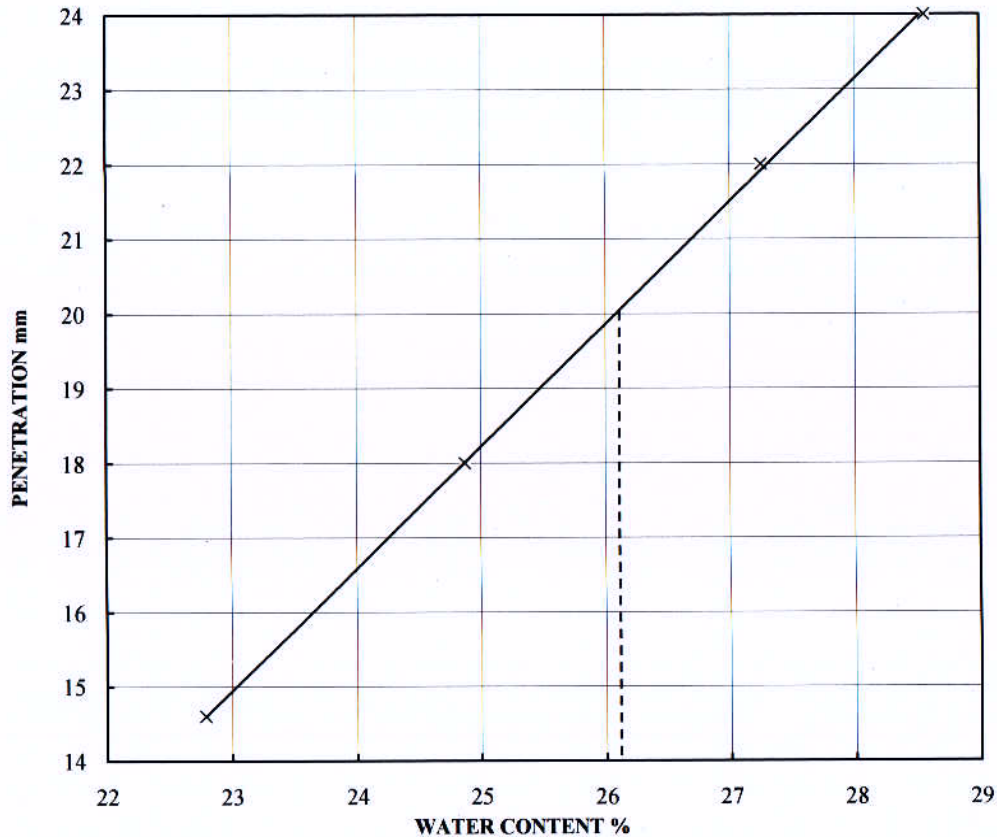
Percentage of passing 0.425mm B.S.Sieve = 95%

	LIQUID LIMIT %				PLASTIC LIMIT %
Wet Weight + Tare (g)	27.47	30.70	27.52	30.08	
Dry Weight + Tare (g)	23.10	25.81	22.73	24.86	
Tare Weight (g)	8.64	10.22	8.60	10.35	NP
Water Content (%)	30.22	31.37	33.90	35.98	
Penetration (mm)	15.40	17.40	22.00	26.00	

LIQUID LIMIT (%) 33  
 PLASTIC LIMIT (%) NP  
 PLASTICITY INDEX (%)

Sample Type : UDS	
Borehole No. 1/49+250	Sample No: UDS-9 Depth (m): 26.00
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section Job No : 1342 Test Report No: XPL/2015-16/02
Operator :	Checked :
Date : 17/03/2016	Date: 21/3/16
Authorized Signatory	
Date: 27/3/2016	

**I.S. : 2720 : PART 5**



HISTORY OF SAMPLE : Natural

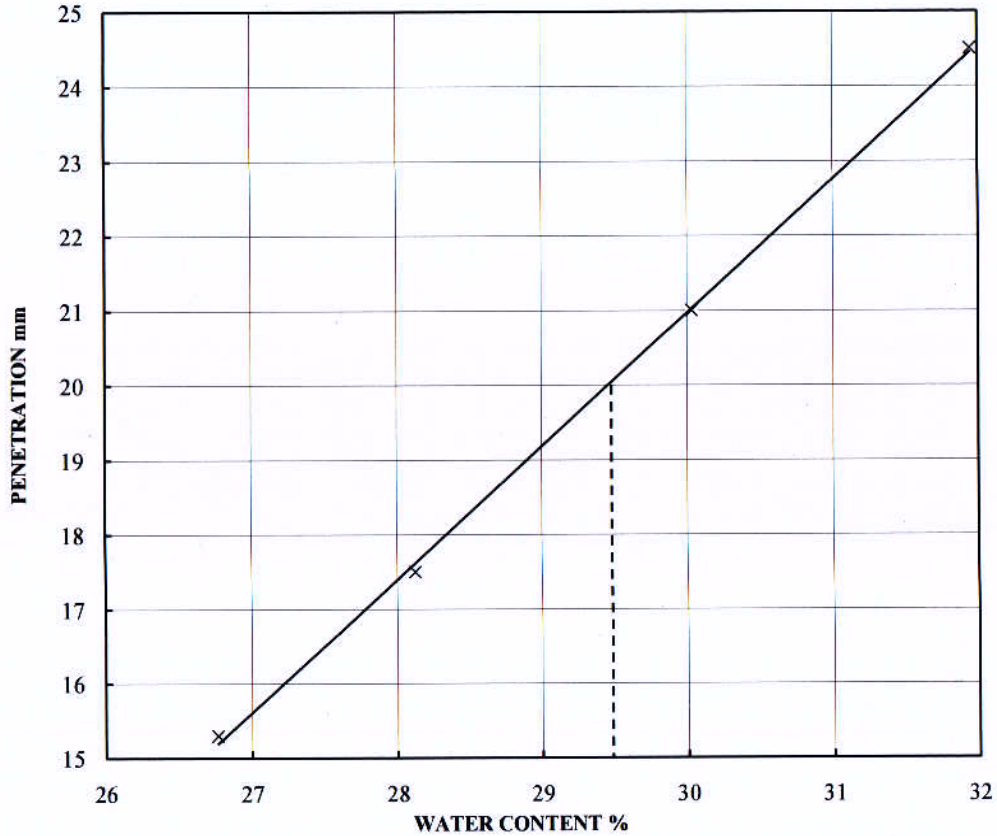
Percentage of passing 0.425mm B.S.Sieve =

	LIQUID LIMIT %				PLASTIC LIMIT %
Wet Weight + Tare (g)	25.66	22.85	26.75	26.90	
Dry Weight + Tare (g)	22.59	19.84	23.04	23.04	
Tare Weight (g)	9.12	7.74	9.43	9.54	NP
Water Content (%)	22.79	24.88	27.26	28.56	
Penetration (mm)	14.60	18.00	22.00	24.00	

LIQUID LIMIT (%) 26  
 PLASTIC LIMIT (%) NP  
 PLASTICITY INDEX (%)

Sample Type : UDS	
Borehole No. 1/50+100	Sample No: UDS-1
Depth (m): 2.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator :	Checked :
Authorised Signatory	
Date : 17/03/2016	Date: 21/3/16
Date: 24/3/2016	

## I.S. : 2720 : PART 5






HISTORY OF SAMPLE :

Natural

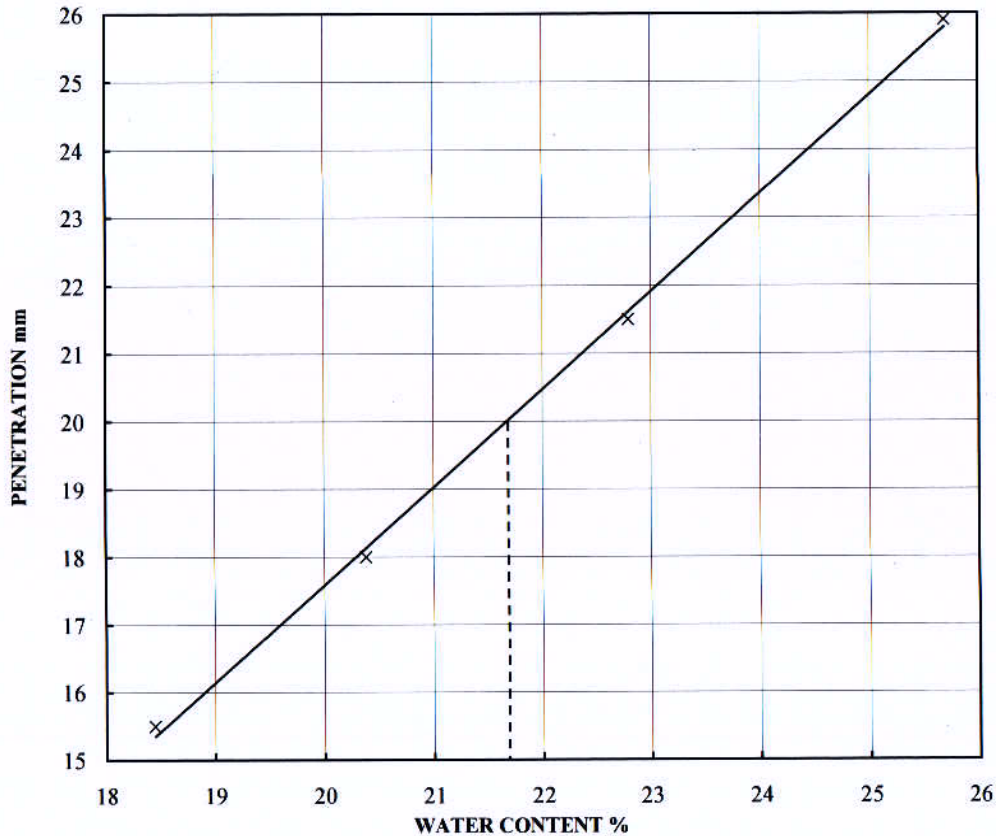
Percentage of passing 0.425mm B.S.Sieve =

	LIQUID LIMIT %				PLASTIC LIMIT %
Wet Weight + Tare (g)	23.97	22.90	25.20	27.11	
Dry Weight + Tare (g)	20.60	19.66	21.53	22.80	
Tare Weight (g)	8.01	8.14	9.31	9.31	NP
Water Content (%)	26.77	28.13	30.03	31.95	
Penetration (mm)	15.30	17.50	21.00	24.50	

LIQUID LIMIT (%) 29  
 PLASTIC LIMIT (%) NP  
 PLASTICITY INDEX (%)

Sample Type : UDS	
Borehole No. 1/50+100	Sample No: UDS-3
Depth (m): 8.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator : 	Checked : 
Authorised Signatory 	
Date : 16/03/2016	Date: 21/3/16
Date: 21/3/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

Percentage of passing 0.425mm B.S.Sieve = 93%

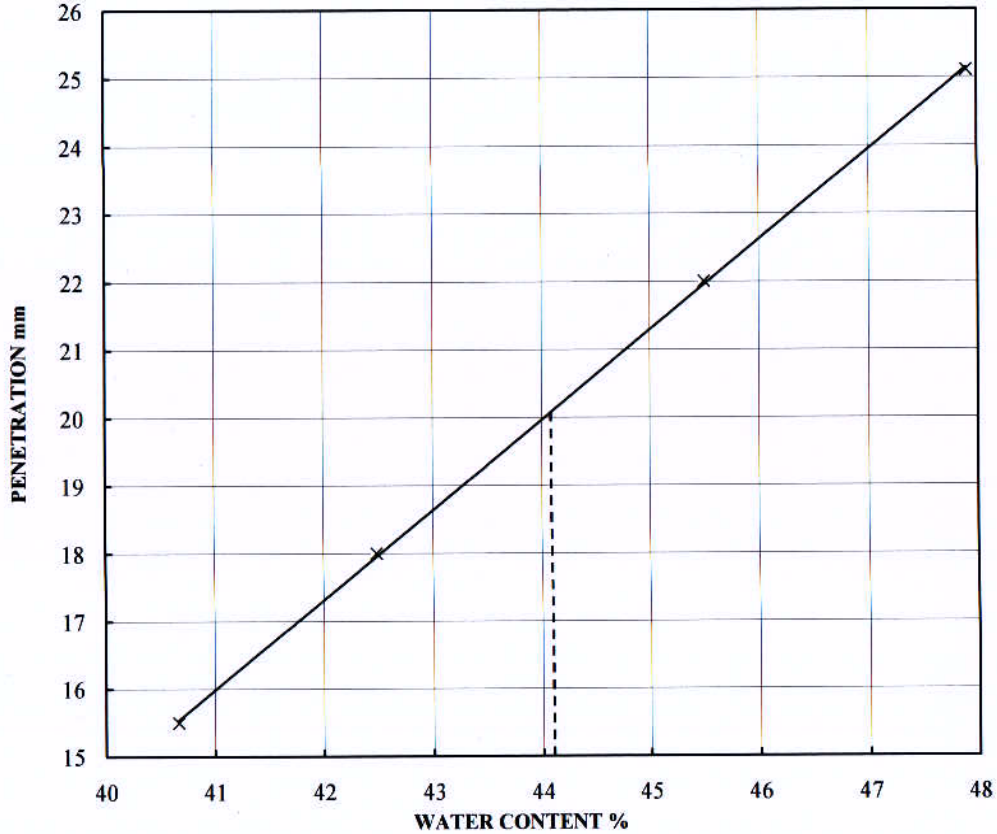
	LIQUID LIMIT %				PLASTIC LIMIT %
Wet Weight + Tare (g)	23.40	29.06	24.99	24.12	
Dry Weight + Tare (g)	21.04	25.75	21.86	21.14	
Tare Weight (g)	8.28	9.51	8.13	9.55	NP
Water Content (%)	18.45	20.38	22.80	25.69	
Penetration (mm)	15.50	18.00	21.50	25.90	

LIQUID LIMIT (%) 22  
 PLASTIC LIMIT (%) NP  
 PLASTICITY INDEX (%)

Sample Type : SPT	Borehole No. 2/64+270	Sample No: SPT-1	Depth (m): 1.50
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section	Job No : 1342	Test Report No: XPL/2015-16/02

Operator :	Checked :	Authorised Signatory
Date : 17/3/2016	Date: 21/3/16	Date: 21/3/2016

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

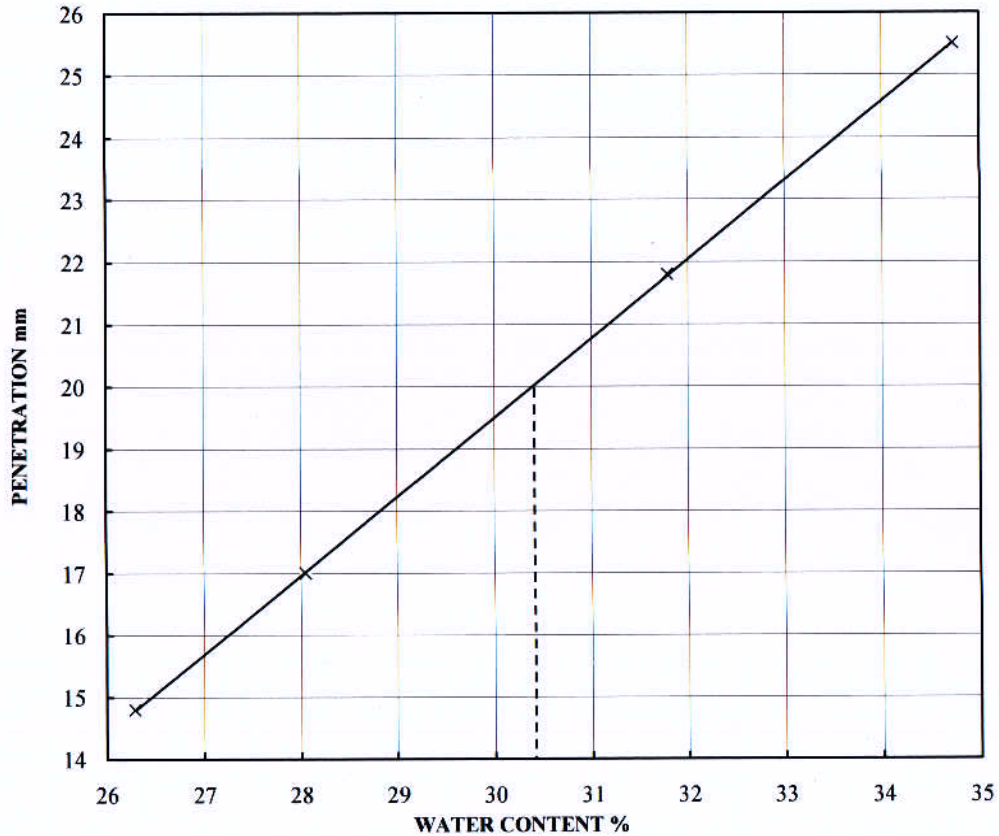
Percentage of passing 0.425mm B.S.Sieve = 92%

	LIQUID LIMIT %				PLASTIC LIMIT %	
Wet Weight + Tare (g)	30.82	27.87	29.12	29.92	21.36	22.84
Dry Weight + Tare (g)	24.22	22.47	23.05	22.95	19.11	20.44
Tare Weight (g)	7.99	9.76	9.71	8.40	9.50	10.11
Water Content (%)	40.67	42.49	45.50	47.90	23.41	23.23
Penetration (mm)	15.50	18.00	22.00	25.10		

LIQUID LIMIT (%) 44  
 PLASTIC LIMIT (%) 23  
 PLASTICITY INDEX (%) 21

Sample Type : UDS	
Borehole No. 2/65+740	Sample No: UDS-1
Depth (m): 2.00	
<b>XPLORER</b>	Site Ref: Hapur - Meerut Section
Job No : 1342	
Test Report No: XPL/2015-16/02	
Operator :	Checked :
Date : 18/03/2016	Date: 21/3/16
Authorised Signatory	
Date: 21/07/2016	

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

Percentage of passing 0.425mm B.S.Sieve = 93%

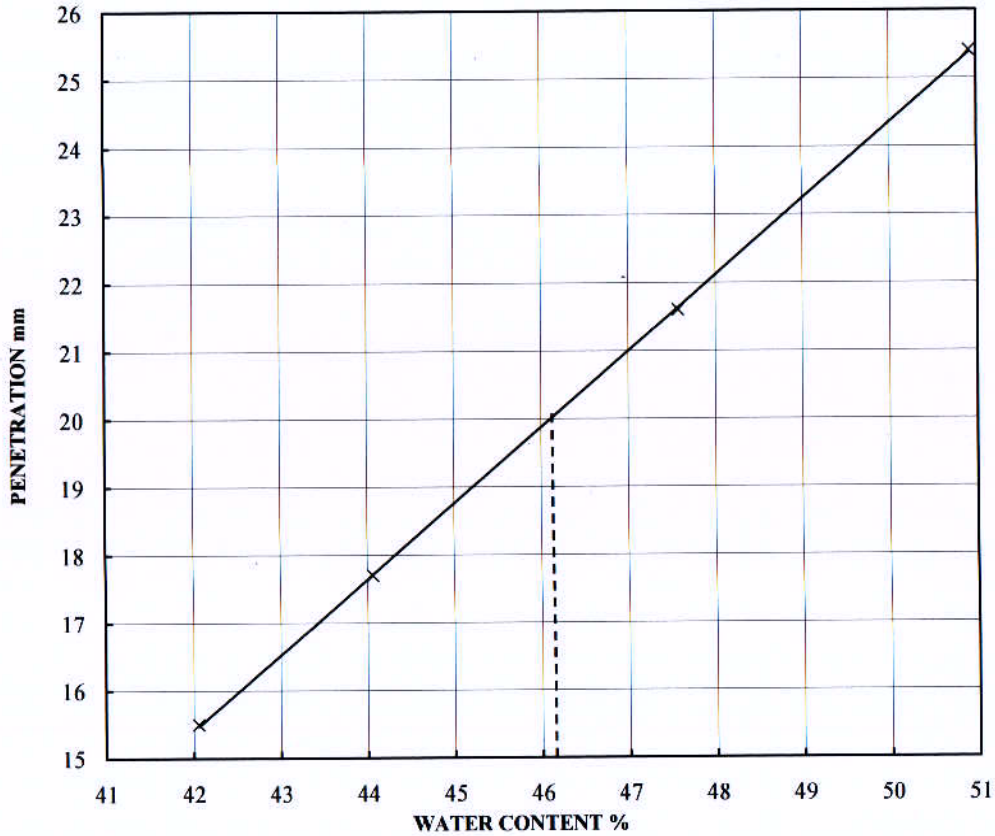
	LIQUID LIMIT %				PLASTIC LIMIT %
Wet Weight + Tare (g)	28.73	28.26	33.37	32.22	
Dry Weight + Tare (g)	24.30	23.80	27.60	26.34	
Tare Weight (g)	7.45	7.90	9.45	9.41	NP
Water Content (%)	26.29	28.05	31.79	34.73	
Penetration (mm)	14.80	17.00	21.80	25.50	

LIQUID LIMIT (%) 30  
 PLASTIC LIMIT (%) NP  
 PLASTICITY INDEX (%)

Sample Type :	UDS		
Borehole No.	2/54+825	Sample No:	UDS-1
		Depth (m):	2.00
<b>XPLORER</b>	Site Ref:	Hapur - Meerut Section	Job No : 1342
			Test Report No: XPL/2015-16/02

Operator :		Checked :		Authorised Signatory	
Date :	17/03/2016	Date:	21/3/16	Date:	21/03/2016

**I.S. : 2720 : PART 5**



**HISTORY OF SAMPLE :**

Percentage of passing 0.425mm B.S.Sieve = 92%

	LIQUID LIMIT %				PLASTIC LIMIT %	
Wet Weight + Tare (g)	29.82	27.66	29.98	30.91	21.70	22.84
Dry Weight + Tare (g)	23.89	21.76	23.12	23.42	19.95	20.97
Tare Weight (g)	9.79	8.37	8.70	8.71	10.21	10.40
Water Content (%)	42.06	44.06	47.57	50.92	17.97	17.69
Penetration (mm)	15.50	17.70	21.60	25.40		

LIQUID LIMIT (%) 46  
 PLASTIC LIMIT (%) 18  
 PLASTICITY INDEX (%) 28

Sample Type : UDS		Borehole No. 2/63+570		Sample No: UDS-1		Depth (m): 2.00	
<b>XPLORER</b>		Site Ref: Hapur - Meerut Section		Job No : 1342		Test Report No: XPL/2015-16/02	
Operator :		Checked :		Authorised Signatory			
Date : 14/03/2016		Date: 21/3/16		Date: 21/3/2016			

**PROJECT : Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut**

SITE REF: Hapur - Meerut Section Job No. 1342

Test Report No: XPL/2015-16/02

BH No :- 1 Sample No :-UDS-7 Depth(m) 20.00  
Chainage 34+360


Test No :	1	2
$\rho_s$ Bottle No :	SG-17	SG-18
Mass of $\rho_s$ bottle with stopper, M1	33.55	40.13
Mass of $\rho_s$ bottle with Stopper & Soil, M2	43.55	50.13
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	92.42	95.41
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	86.23	89.19
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.63	2.65

Average Specific Gravity : 2.64


BH No :- 1 Sample No :-UDS-1 Depth(m) 2.00  
Chainage 48+400

Test No :	1	2
$\rho_s$ Bottle No :	SG-24	SG-25
Mass of $\rho_s$ bottle with stopper, M1	42.02	24.13
Mass of $\rho_s$ bottle with Stopper & Soil, M2	52.02	34.13
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	97.44	75.55
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	91.24	69.37
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.63	2.62

Average Specific Gravity : 2.63

Operator : 

Date : 17/03/2016

Checked : 

Date : 8/2/16

Authorised signatory



Date : 21/07/2016



**PROJECT : Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut**

SITE REF: **Hapur - Meerut Section** Job No. **1342**

Test Report No: XPL/2015-16/02

BH No :- 1 Sample No :- UDS-1 Depth(m) 2.00  
Chainage 49+250

Test No :	1	2
$\rho_s$ Bottle No :	SG-15	SG-16
Mass of $\rho_s$ bottle with stopper, M1	36.62	33.14
Mass of $\rho_s$ bottle with Stopper & Soil, M2	46.62	43.14
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	95.33	92.00
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	89.10	85.80
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.65	2.63

Average Specific Gravity : 2.64

BH No :- 1 Sample No :-UDS-1 Depth(m) 2.00  
Chainage 50+100

Test No :	1	2
$\rho_s$ Bottle No :	SG-10	SG-11
Mass of $\rho_s$ bottle with stopper, M1	27.45	34.32
Mass of $\rho_s$ bottle with Stopper & Soil, M2	37.45	44.35
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	80.39	90.59
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	74.15	84.30
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.66	2.68

Average Specific Gravity : 2.67

Operator :



Date : 18/03/2016

Checked :



Date : 8721/3/16

Authorised signatory



Date : 21/7/2016

**PROJECT : Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut**

SITE REF: Hapur - Meerut Section

Job No. 1342

Test Report No: XPL/2015-16/02

BH No :- 2                      Sample No :-SPT-8                      Depth(m)                      12.00  
Chainage                      64+270

Test No :	1	2
$\rho_s$ Bottle No :	SG-18	SG-21
Mass of $\rho_s$ bottle with stopper, M1	40.14	38.71
Mass of $\rho_s$ bottle with Stopper & Soil, M2	50.14	48.71
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	95.78	94.04
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	89.50	87.73
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.69	2.71

Average Specific Gravity : 2.70

BH No :- 2                      Sample No :-UDS-1                      Depth(m)                      2.00  
Chainage                      65+740

Test No :	1	2
$\rho_s$ Bottle No :	SG-23	SG-25
Mass of $\rho_s$ bottle with stopper, M1	35.04	24.13
Mass of $\rho_s$ bottle with Stopper & Soil, M2	45.05	34.13
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	91.42	75.66
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	85.20	69.41
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.64	2.67

Average Specific Gravity : 2.65

Operator :



Date : 18/03/2016

Checked :



Date : 18/3/16

Authorised signatory



Date : 21/03/2016

**PROJECT : Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut**

**SITE REF: Hapur - Meerut Section Job No. 1342**

Test Report No: XPL/2015-16/02

**BH No :- 2 Sample No :-UDS-1 Depth(m) 2.00**  
**Chainage 54+825**

Test No :	1	2
$\rho_s$ Bottle No :	SG-18	SG-20
Mass of $\rho_s$ bottle with stopper, M1	39.5	43.18
Mass of $\rho_s$ bottle with Stopper & Soil, M2	49.49	53.18
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	94.29	93.30
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	88.15	87.14
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.59	2.60

Average Specific Gravity : 2.60

**BH No :- 2 Sample No :-UDS-1 Depth(m) 2.00**  
**Chainage 63+570**

Test No :	1	2
$\rho_s$ Bottle No :	SG-12	SG-15
Mass of $\rho_s$ bottle with stopper, M1	38.67	36.05
Mass of $\rho_s$ bottle with Stopper & Soil, M2	48.67	46.04
Mass of $\rho_s$ bottle with Stopper, Soil & Distilled Water, M3	87.08	94.29
Mass of $\rho_s$ bottle with Stopper & Distilled Water, M4	80.85	88.04
$\rho_s = \frac{(M2 - M1)}{(M4 - M1) - (M3 - M2)}$	2.65	2.67

Average Specific Gravity : 2.66

Operator :



Date : 18/03/2016

Checked :

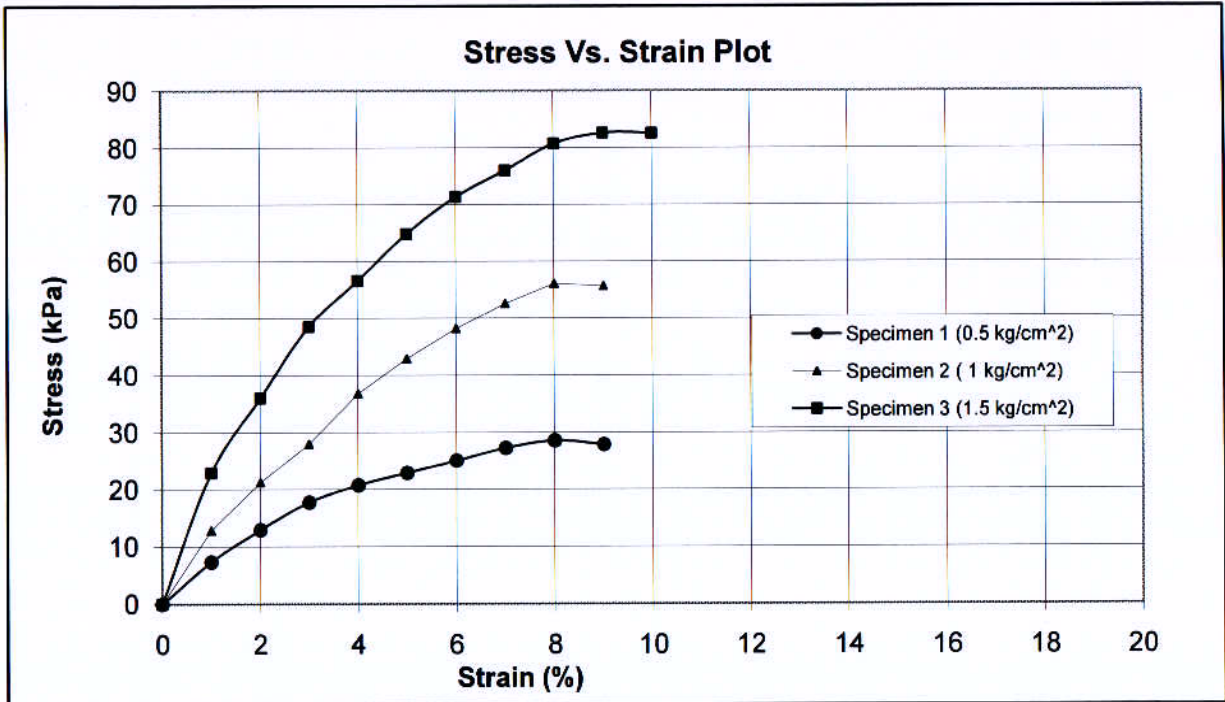
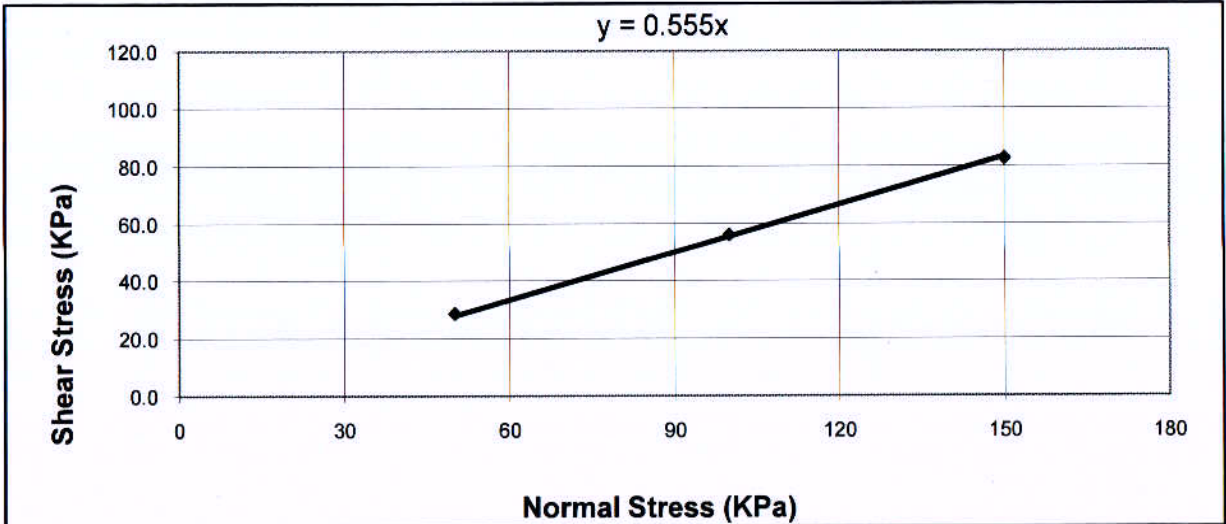


Date : 18/03/16

Authorised signatory



Date : 21/3/2016



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.67  
Poorly Graded SAND(SP)

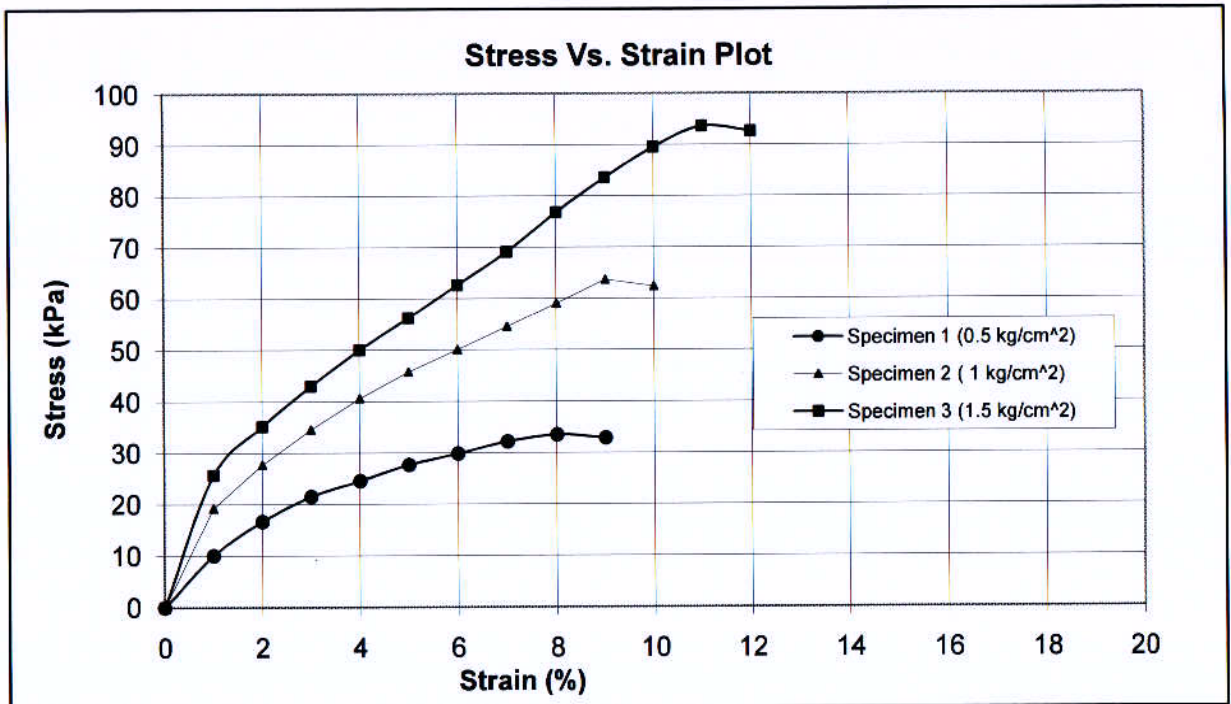
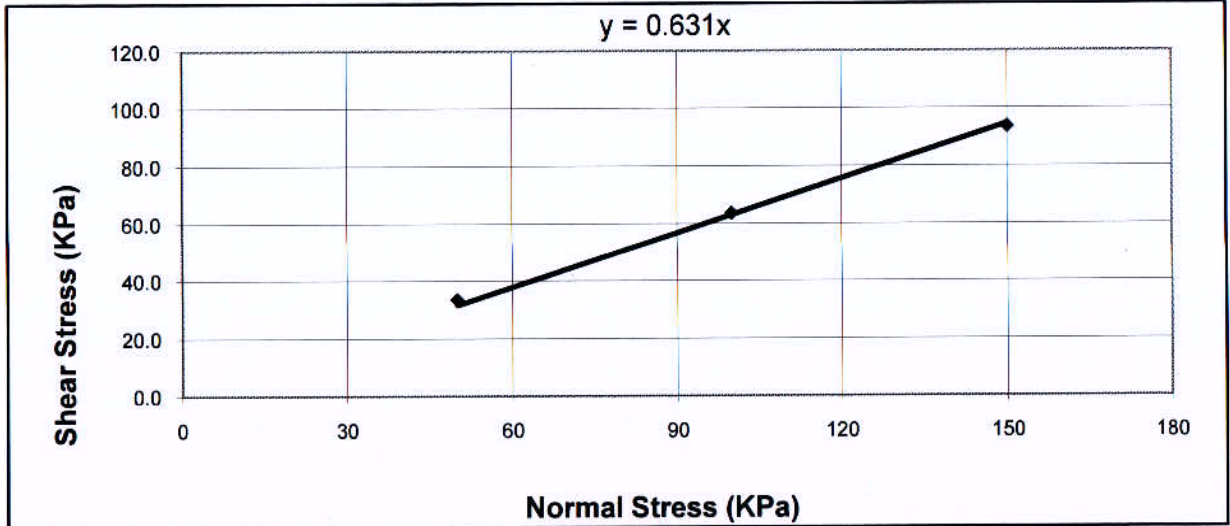
Test Result

$c = 0.0$  kPa  
 $\phi = 29.0^\circ$

BH No: 1	Chainage 34+360	Sample No.: SPT-1	Depth (m): 1.50
Site Ref: Hapur - Meerut Section		Job No : 1342	
Test Report No: XPL/2015-16/02			

Tested by: <i>Raj Singh</i>	Checked by: <i>[Signature]</i>	Authorised Signatory: <i>[Signature]</i>
Date: 17/3/16	Date: 28/3/16	Date: 21/7/2016

**DIRECT SHEAR TEST RESULT**  
**I.S.: 2720 : PART XIII**



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.72  
Greyish Silty SAND (SW-SM)

Test Result

$c = 0.0$  kPa  
 $\phi = 32.2^\circ$

BH No: 1	Chainage 34+360	Sample No.: SPT-6	Depth (m): 9.00
Site Ref: Hapur - Meerut Section	Job No: 1342		Test Report No: XPL/2015-16/02

Tested by: *Bhimsingh*

Checked by: *[Signature]*

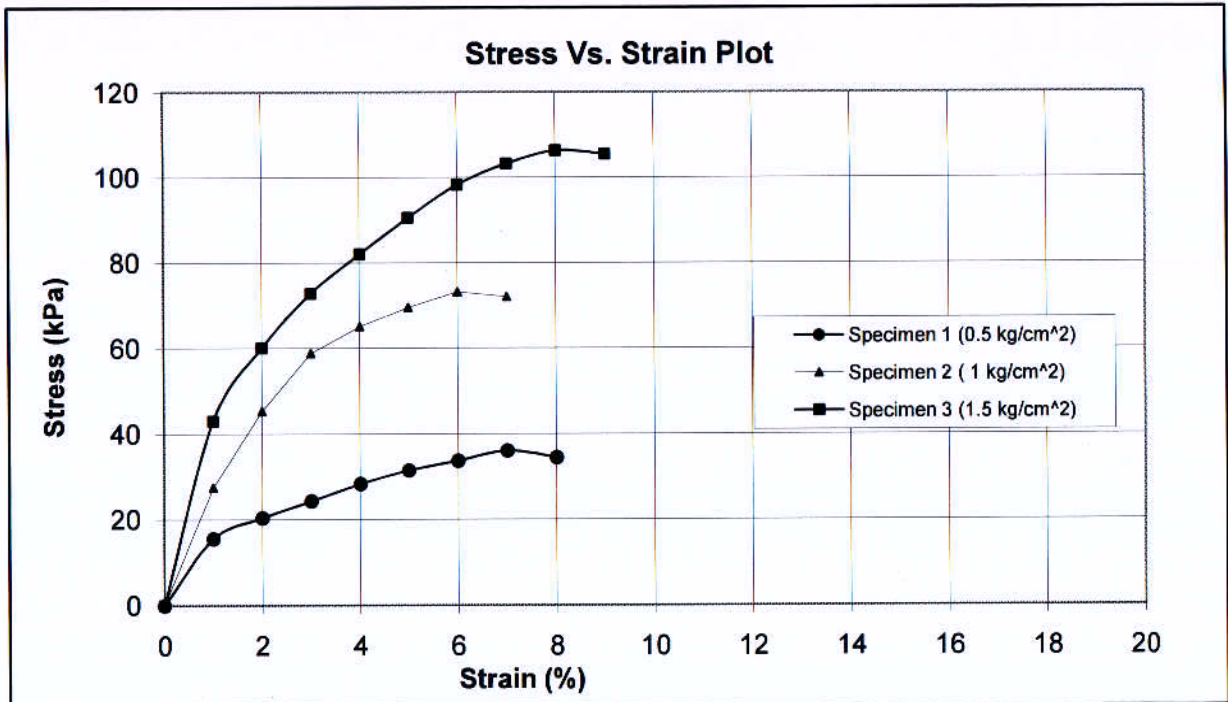
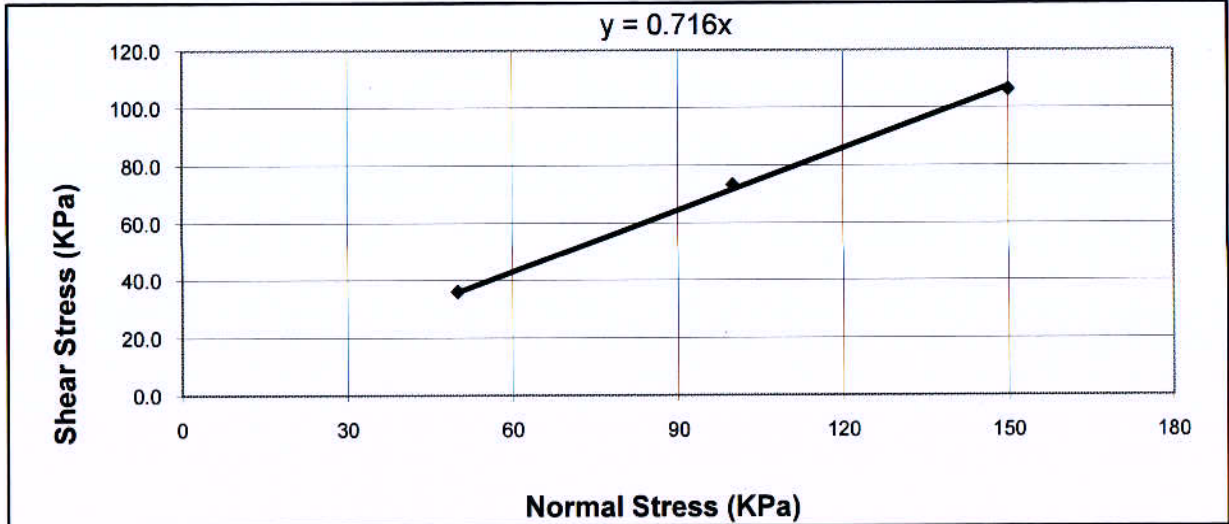
Authorised Signatory: *[Signature]*

Date: 17/3/16

Date: 28/3/16

Date: 21/7/11

**DIRECT SHEAR TEST RESULT**  
**I.S.: 2720 : PART XIII**



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.81  
Greyish Silty SAND (SW-SM)

Test Result

$c = 0.0$  kPa  
 $\phi = 35.6^\circ$

BH No: 1	Chainage 34+360	Sample No.: SPT-18	Depth (m): 27.00
Site Ref: Hapur - Meerut Section		Job No : 1342	
Test Report No: XPL/2015-16/02			

Tested by: *Brun Singh*

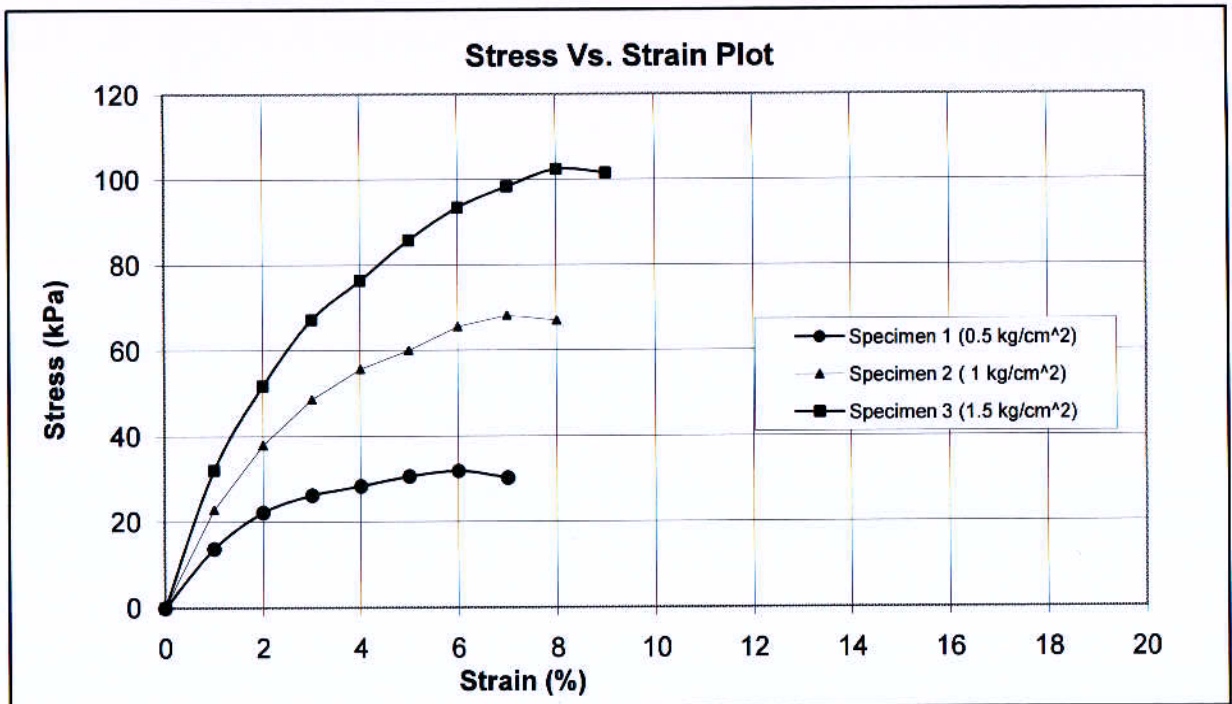
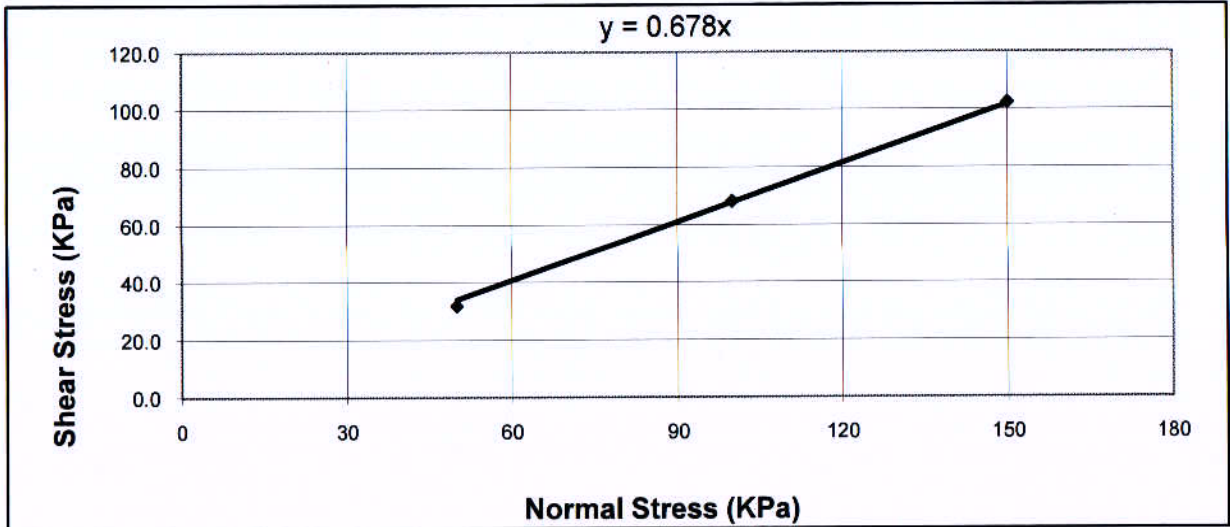
Checked by: *RE*

Authorised Signatory: *[Signature]*

Date: 17/3/016

Date: 88/3/16

Date: 21/3/2016



Sample Details

Dry-density, (mg/m³) = 1.75  
Greyish Silty SAND (SW-SM)

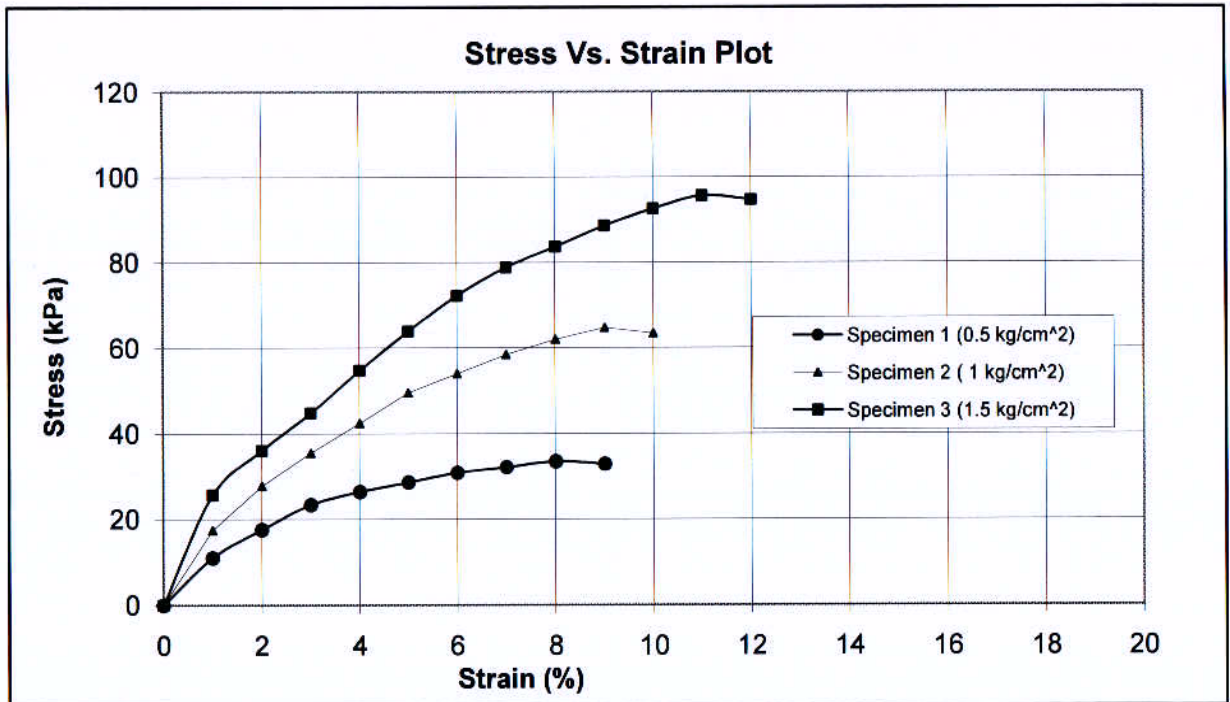
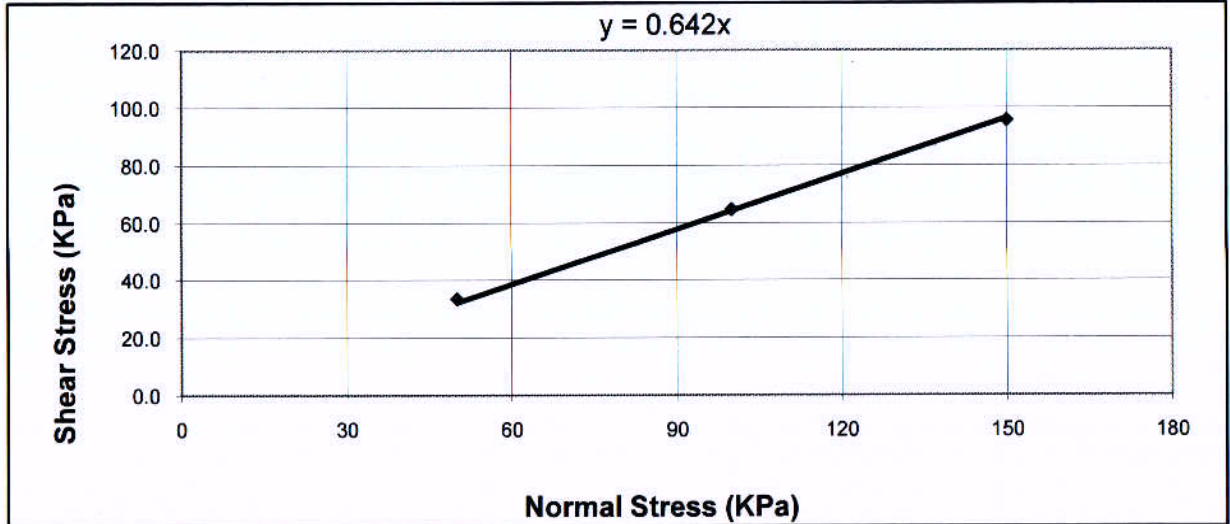
Test Result

$c = 0.0$  kPa  
 $\phi = 34.1^\circ$

BH No: 1	Chainage 48+400	Sample No.: SPT-19	Depth (m): 28.50
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by: <i>Bain Singh</i>	Checked by: <i>RE</i>	Authorised Signatory: <i>[Signature]</i>
Date: 17/3/16	Date: 28/3/16	Date: 21/3/2016

**DIRECT SHEAR TEST RESULT**  
**I.S.: 2720 : PART XIII**



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.80  
Brownish Sandy SILT (ML)

Test Result

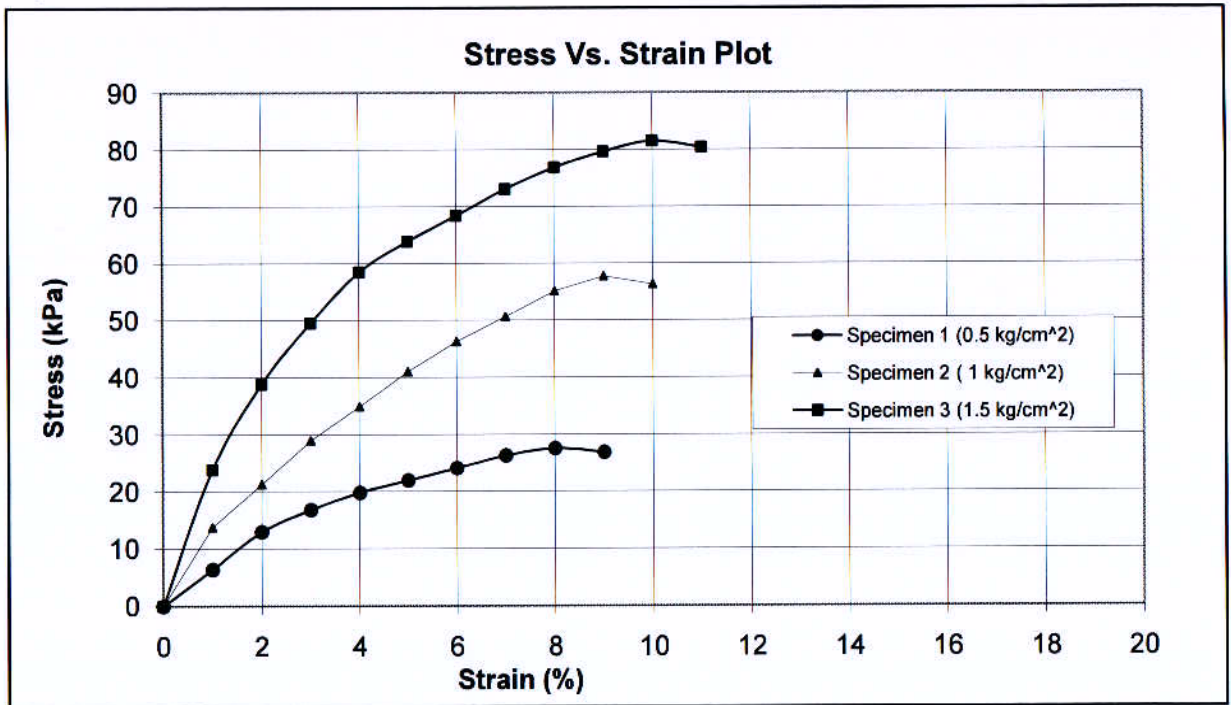
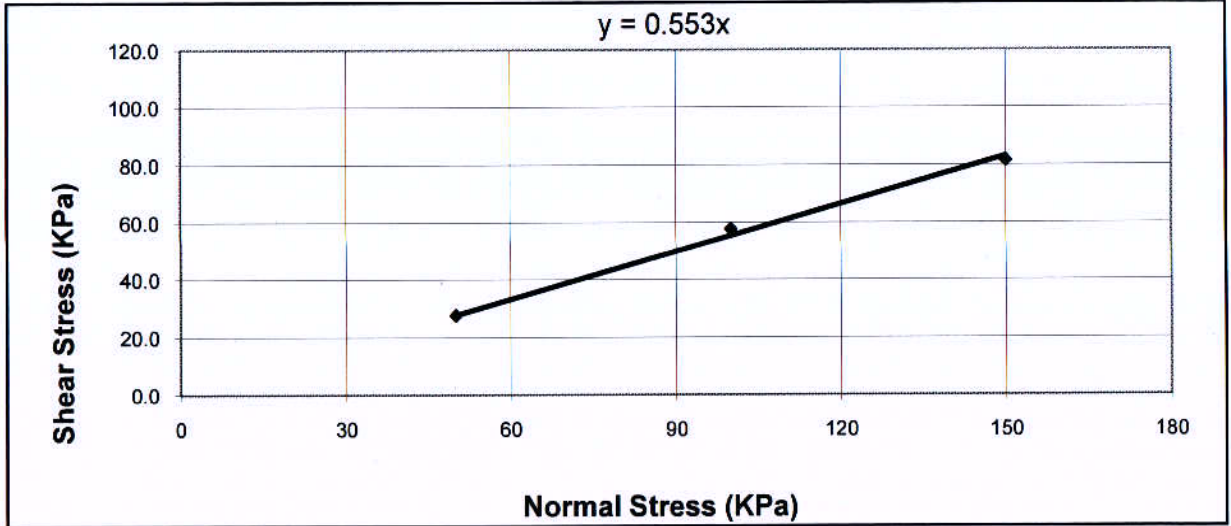
$c = 0.0$  kPa  
 $\phi = 32.7^\circ$

BH No: 1	Chainage 49+250	Sample No.: UDS-9	Depth (m): 26.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by: <i>Primsingh</i>	Checked by: <i>[Signature]</i>	Authorised Signatory: <i>[Signature]</i>
Date: 17/3/16	Date: 28/3/16	Date: 21/3/16



**DIRECT SHEAR TEST RESULT**  
**I.S.: 2720 : PART XIII**



Sample Details

Dry-density, (mg/m³) = 1.67  
Brownish Sandy SILT (ML)

Test Result

$c = 0.0$  kPa  
 $\phi = 28.9^\circ$

BH No: 1	Chainage 50+100	Sample No.: UDS-1	Depth (m): 2.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by:

*Brij Singh*

Date:

17/3/16

Checked by:

*RE*

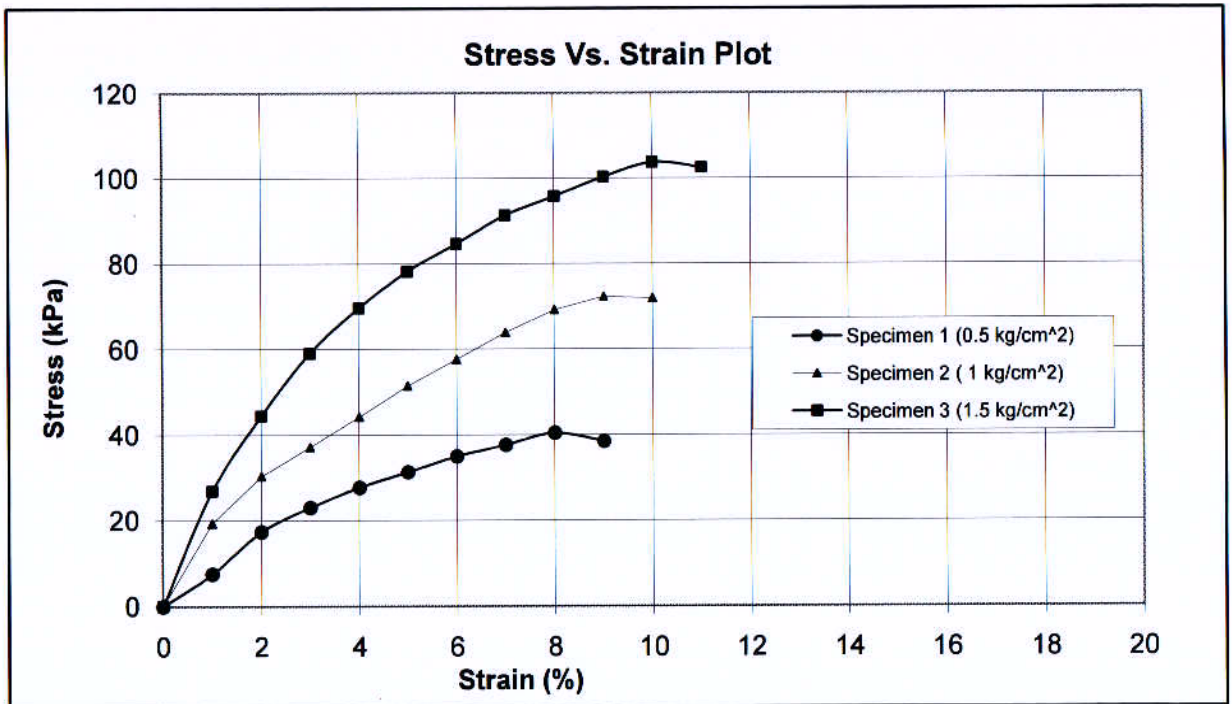
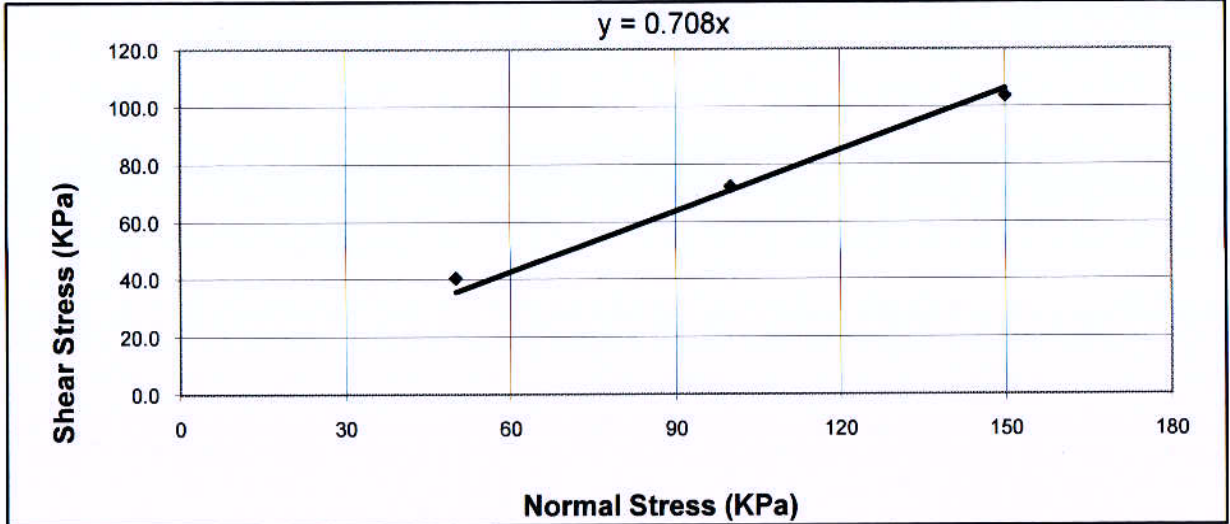
Date:

28/3/16

Authorised Signatory:

*Am*  
21/7/2014

Date:



Sample Details

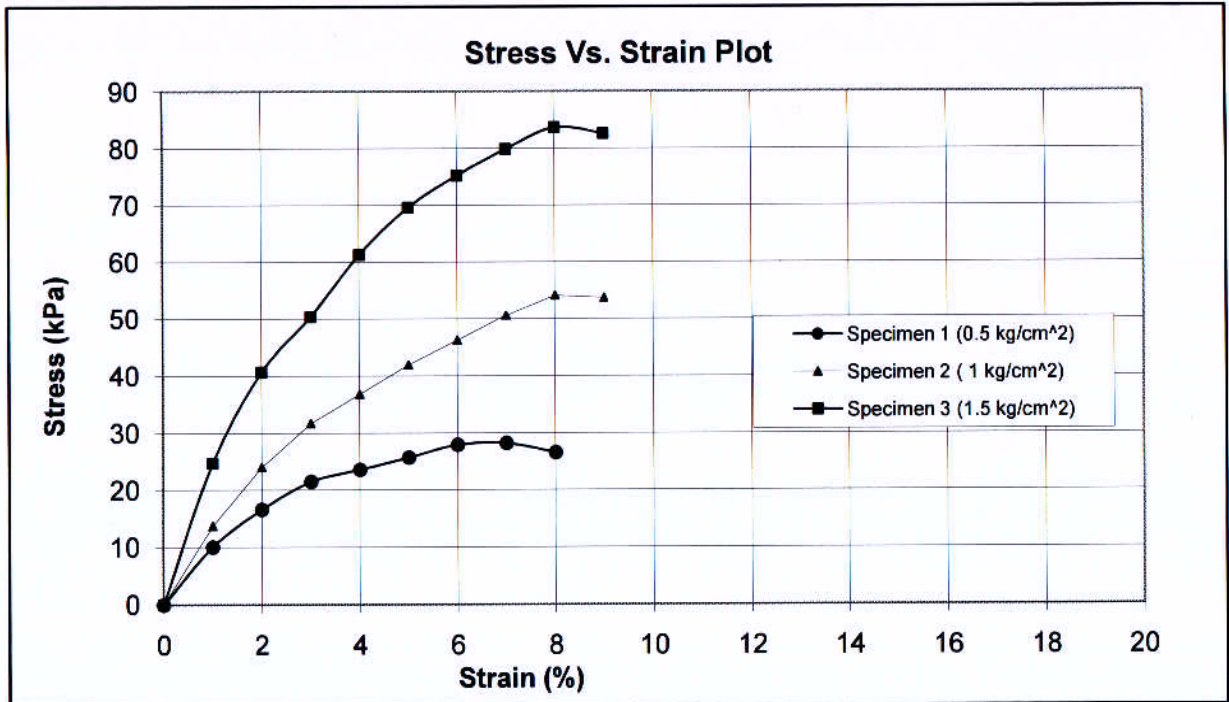
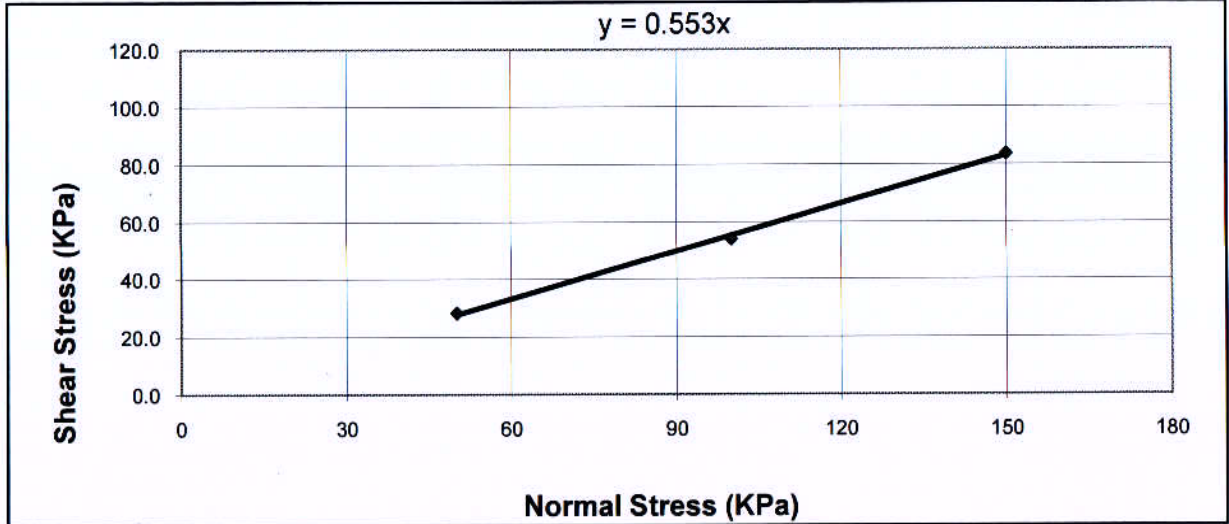
Dry-density, (mg/m<sup>3</sup>) = 1.85  
Greyish Silty SAND (SW-SM)

Test Result

$c = 0.0$  kPa  
 $\phi = 35.3^\circ$

BH No: 1	Chainage 50+100	Sample No.: SPT-8	Depth (m): 12.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by: <i>Bhim Singh</i>	Checked by: <i>[Signature]</i>	Authorised Signatory: <i>[Signature]</i>
Date: 18/3/16	Date: 28/3/16	Date: 21/3/2016



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.65  
Brownish Sandy SILT (ML)

Test Result

$c = 0.0$  kPa  
 $\phi = 28.9^\circ$

BH No: 2	Chainage 64+270	Sample No.: SPT-8	Depth (m): 12.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by: *Brim Singh*

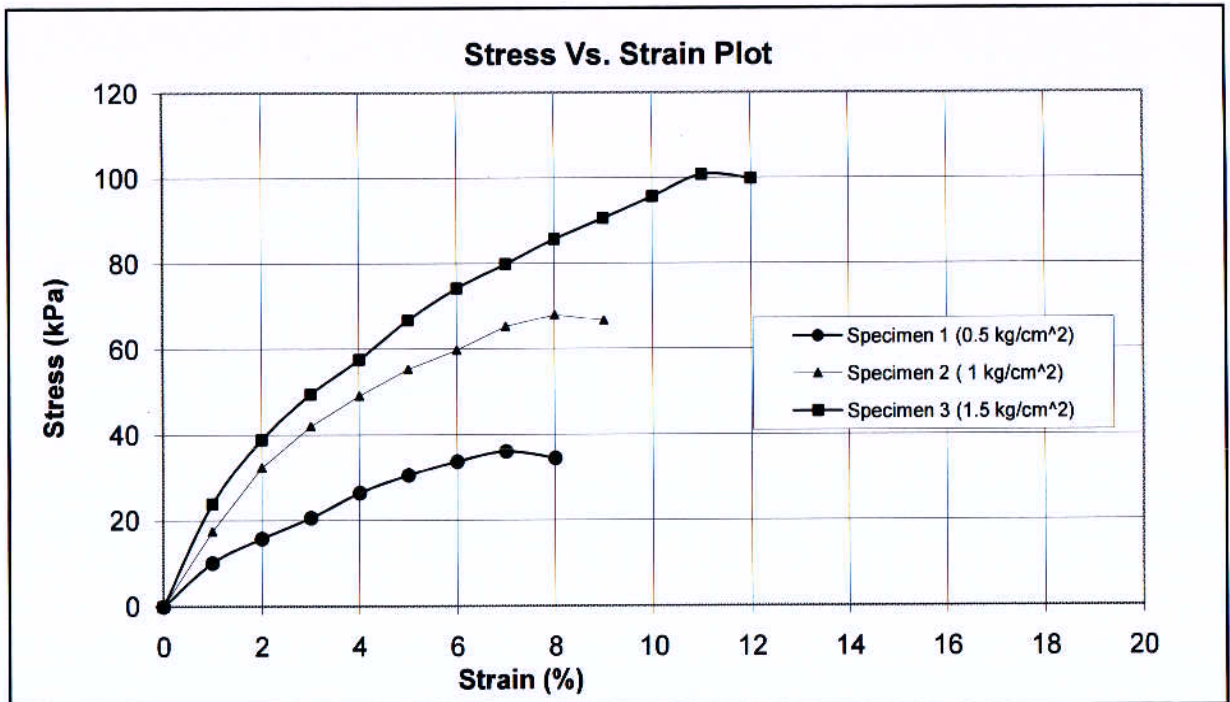
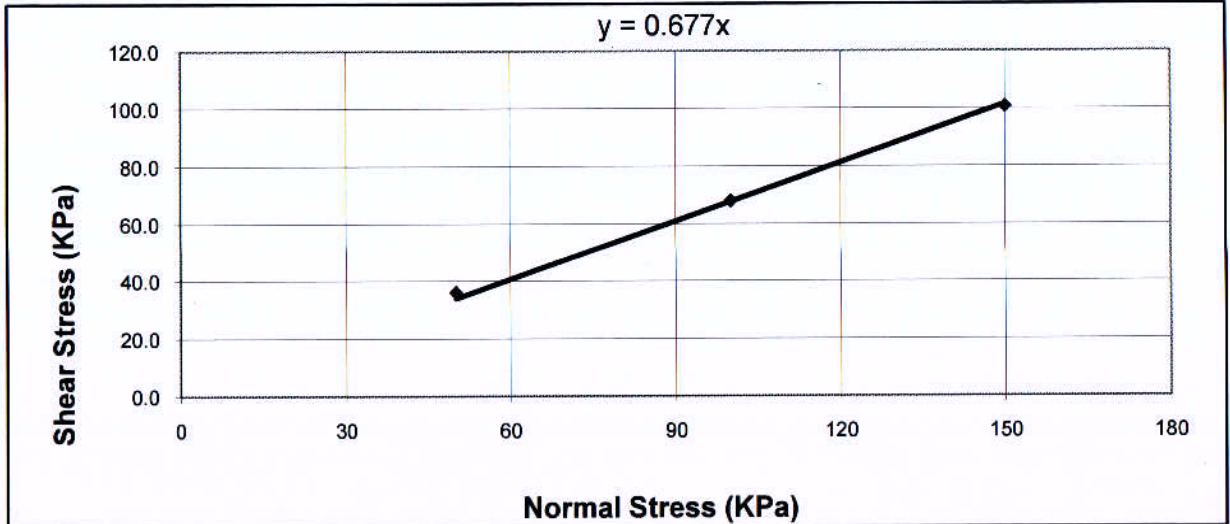
Checked by: *[Signature]*

Authorised Signatory: *[Signature]*

Date: 18/3/16

Date: 28/3/16

Date: 21/3/16



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.81  
Greyish Silty SAND (SW-SM)

Test Result

$c = 0.0$  kPa  
 $\phi = 34.1^\circ$

BH No: 2	Chainage 64+270	Sample No.: SPT-15	Depth (m): 22.50
Site Ref: Hapur - Meerut Section		Job No : 1342	
Test Report No: XPL/2015-16/02			

Tested by:  
*Rainsingh*

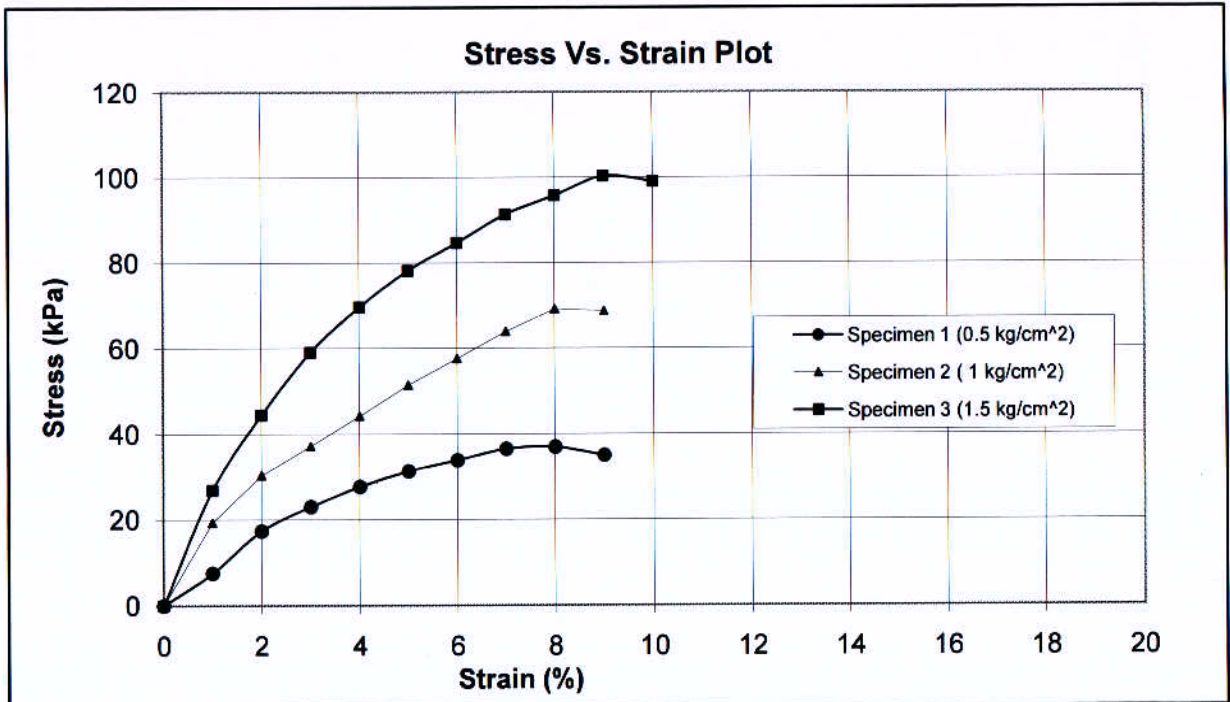
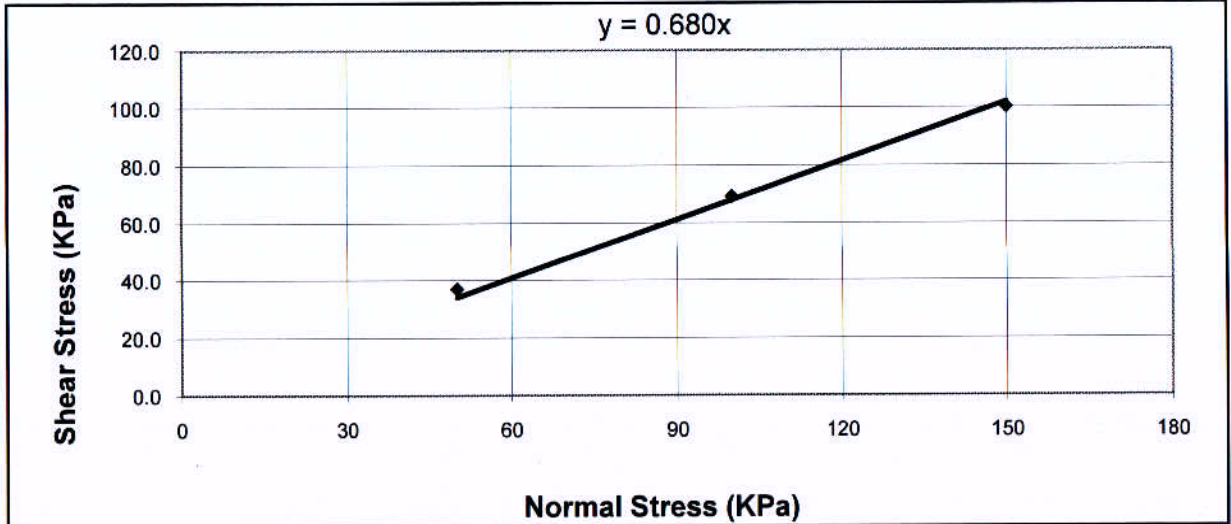
Checked by:  
*RE*

Authorised Signatory:  
*AL*  
21/07/2016

Date: 18/3/16

Date: 28/8/16

Date:



Sample Details

Dry-density, (mg/m³) = 1.85  
Greyish Poorly Graded SAND (SP)

Test Result

$c = 0.0$  kPa  
 $\phi = 34.2^\circ$

BH No: 2	Chainage 65+740	Sample No.: SPT-14	Depth (m): 21.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by:

*Blimsingh*

Date:

18/3/16

Checked by:

*[Signature]*

Date:

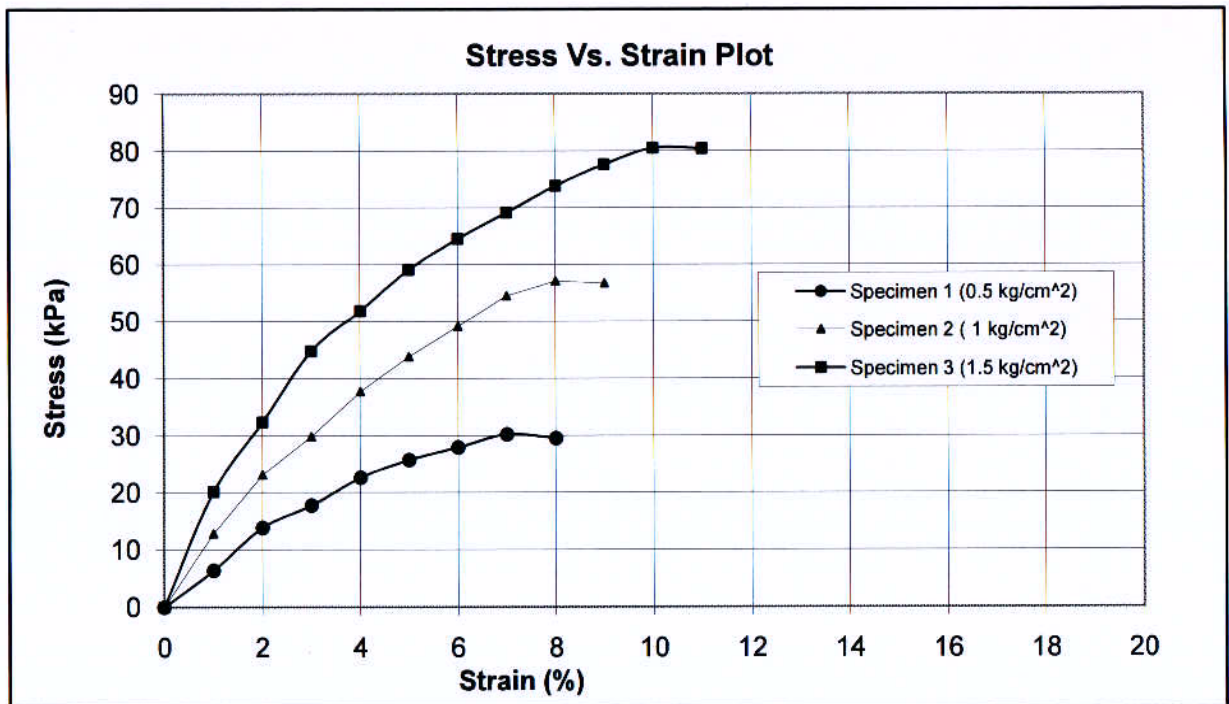
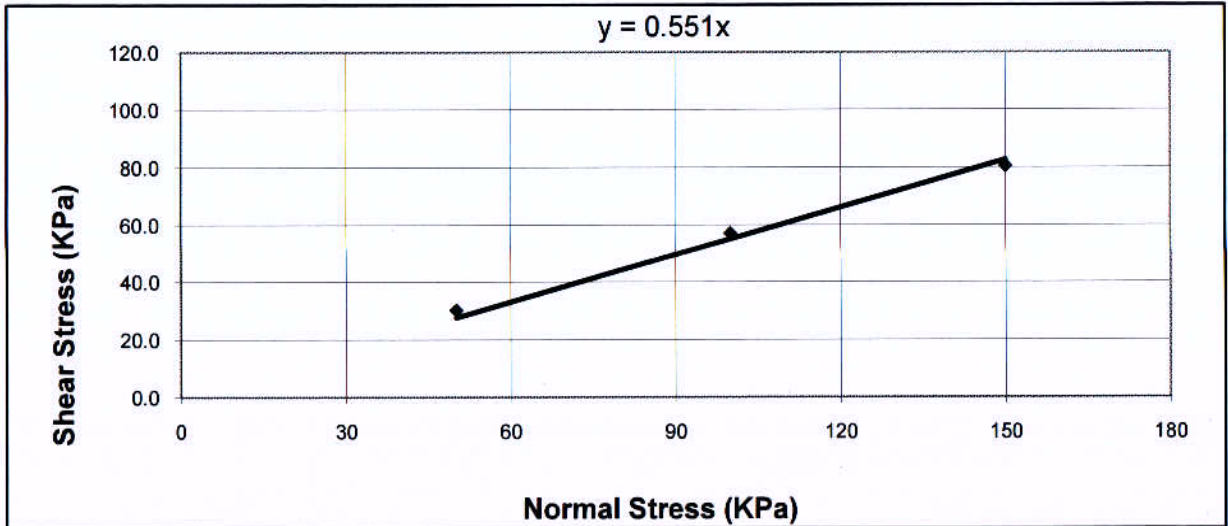
21/3/16

Authorised Signatory:

*[Signature]*

Date:

21/3/16



Sample Details

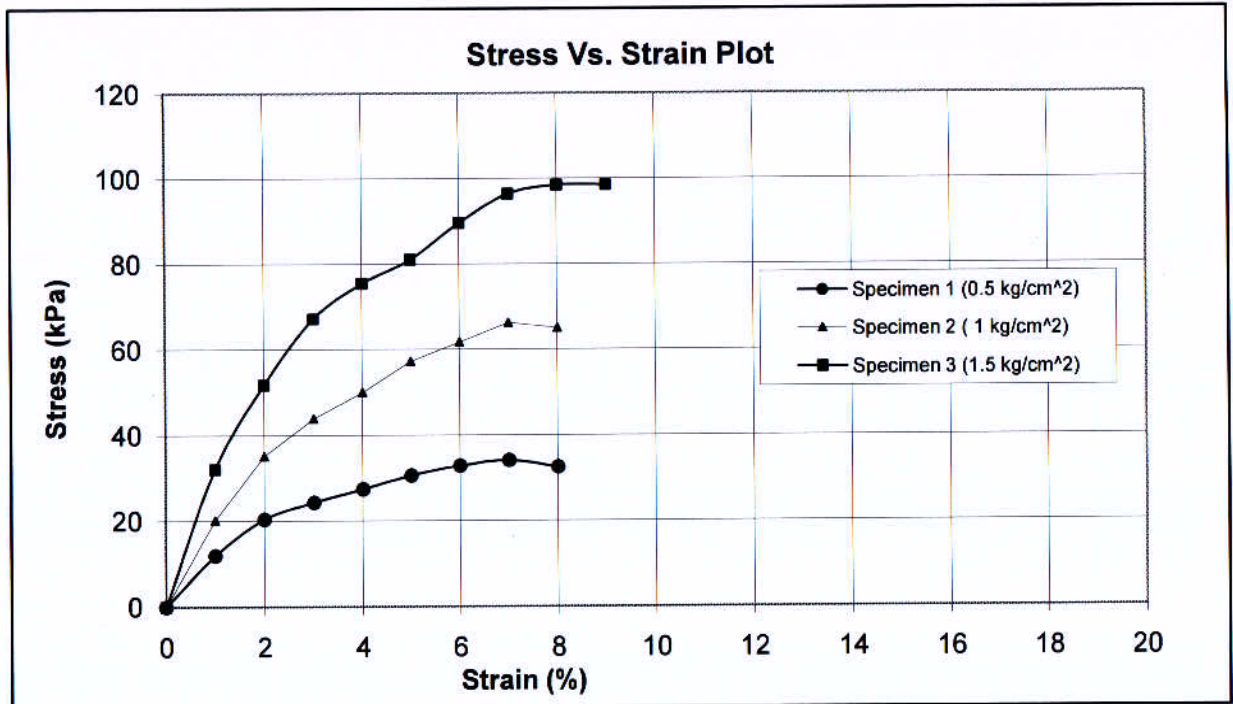
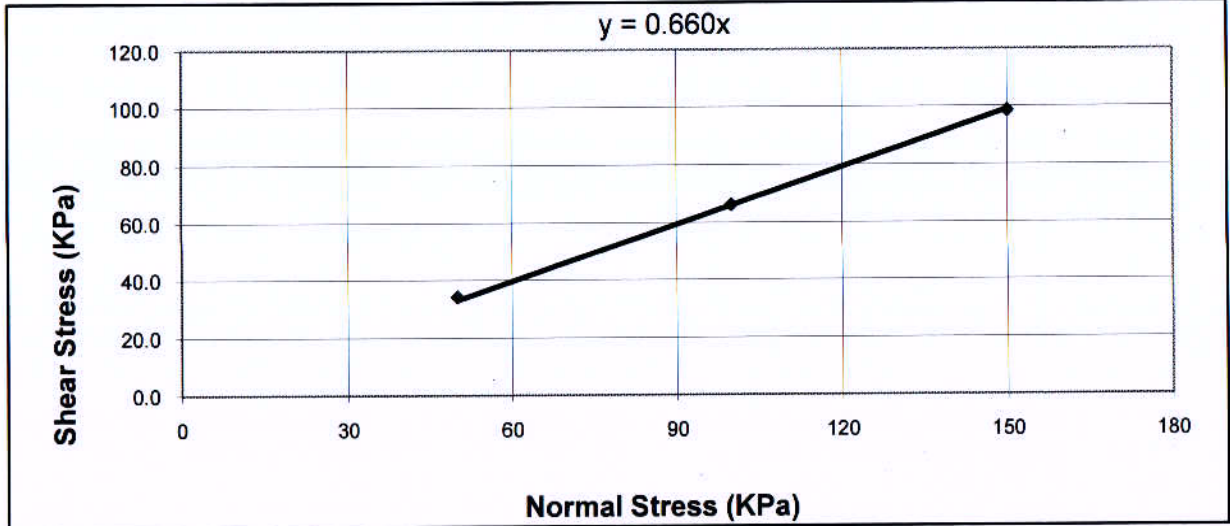
Dry-density, (mg/m<sup>3</sup>) = 1.76  
Brownish Sandy SILT (ML)

Test Result

$c = 0.0$  kPa  
 $\phi = 28.8^\circ$

BH No: 2	Chainage 54+825	Sample No.: UDS-1	Depth (m): 2.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by: <i>Bhimsingh</i>	Checked by: <i>PM</i>	Authorised Signatory: <i>[Signature]</i>
Date: 18/3/16	Date: 21/3/16	Date: 21/3/2016



Sample Details

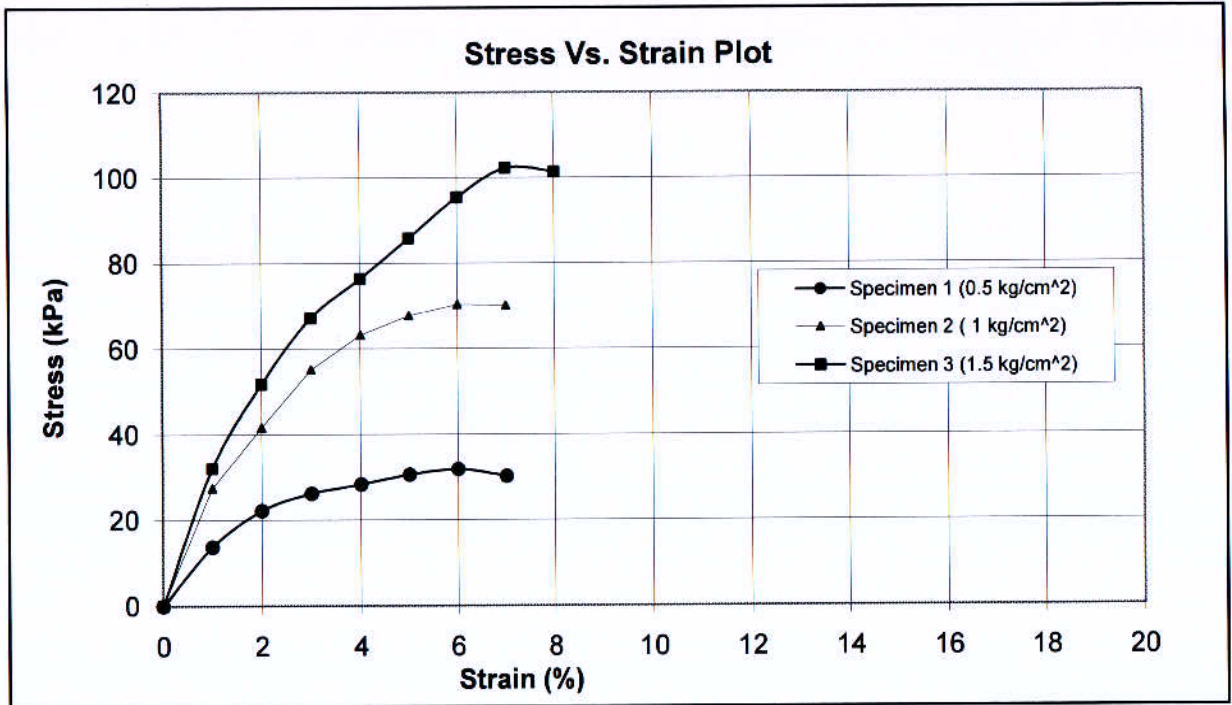
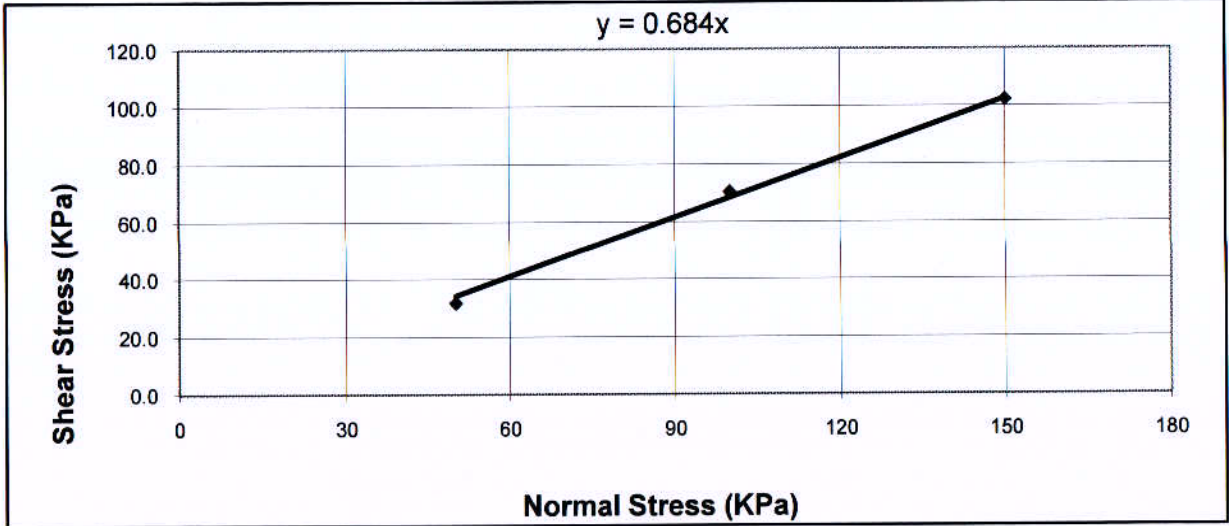
Dry-density, (mg/m<sup>3</sup>) = 1.85  
Brownish Silty SAND (SW-SM)

Test Result

$c = 0.0$  kPa  
 $\phi = 33.4^\circ$

BH No: 2	Chainage 54+825	Sample No.: SPT-15	Depth (m): 22.50
Site Ref: Hapur - Meerut Section	Job No: 1342		Test Report No: XPL/2015-16/02

Tested by: <i>Bhimsingh</i>	Checked by: <i>PT</i>	Authorised Signatory: <i>[Signature]</i>
Date: 18/3/16	Date: 28/3/16	Date: 21/3/2016



Sample Details

Dry-density, (mg/m<sup>3</sup>) = 1.85  
Brownish Silty SAND (SW-SM)

Test Result

$c = 0.0$  kPa  
 $\phi = 34.4^\circ$

BH No: 2	Chainage 63+570	Sample No.: SPT-16	Depth (m): 24.00
Site Ref: Hapur - Meerut Section		Job No: 1342	
Test Report No: XPL/2015-16/02			

Tested by: *Bhimsingh*

Checked by: *[Signature]*

Authorised Signatory: *[Signature]*

Date: 18/3/16

Date: 28/3/16

Date:



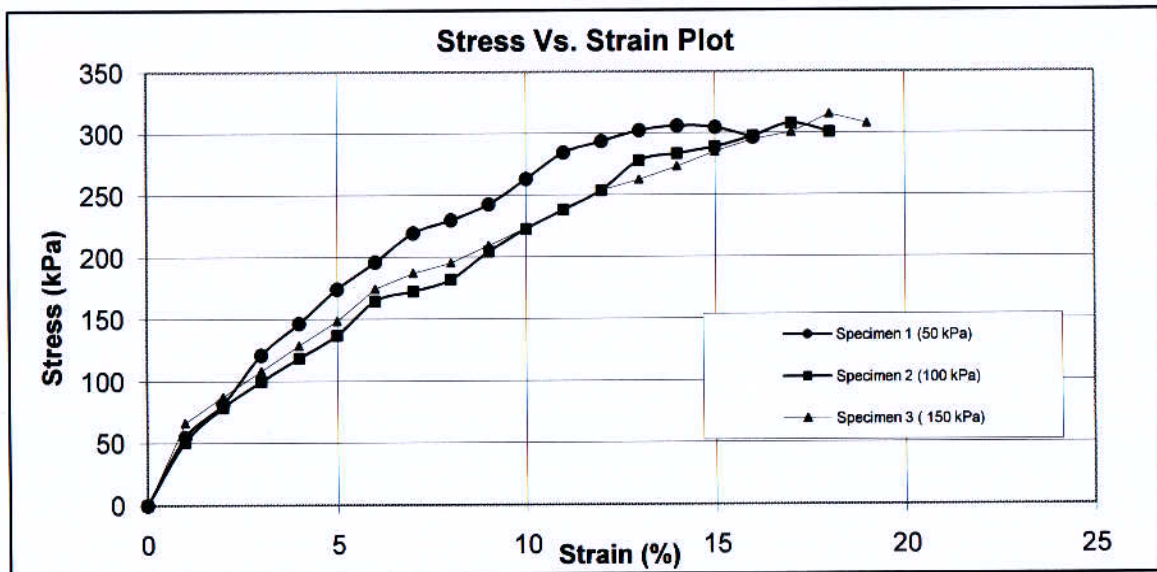
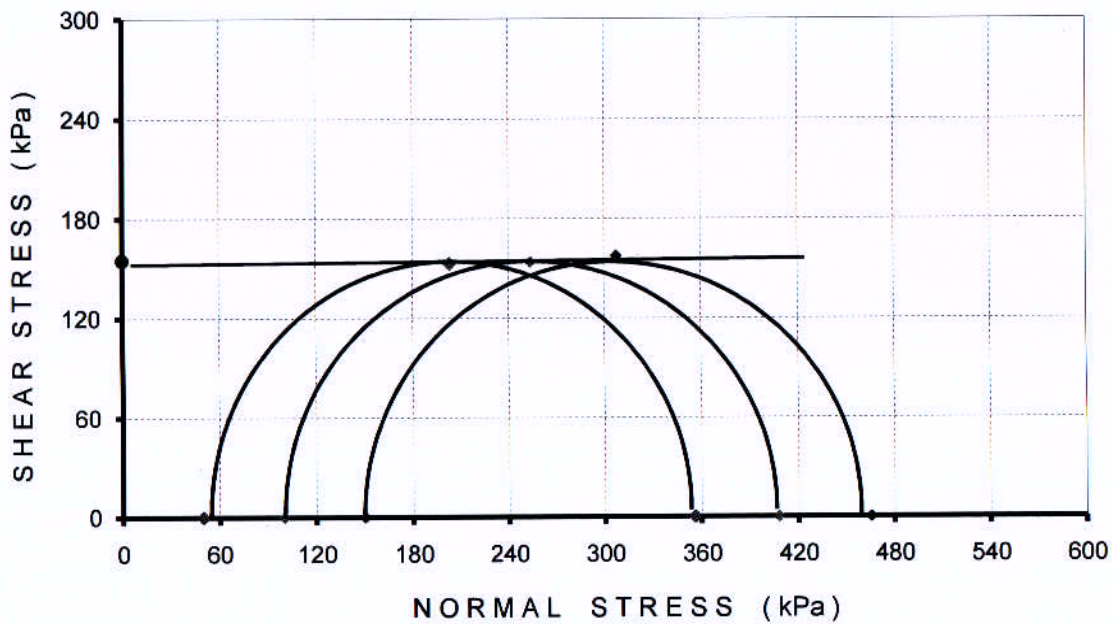
**UNCONSOLIDATED UNDRAINED TRIAXIAL TEST**

IS: 2720 , PART-11

Bulk Density gm/cc	Dry Density gm/cc	Moisture Content %
2.01	1.60	26.20

c Value kPa	$\phi$ Value Degree
155	0.0

'Type of Sample Undisturbed  
'Type of Soil Silty CLAY (CI)



Borehole No:- BH-1      Sample No:- UDS-5      Depth (m) :- 14.00  
CH (Km):- 48+400      Site Ref :- Hapur - Meerut Section      Job No :- 1342  
Test Report No:XPL/2015-16/02

Operator : *Prin Singh*  
Date : 18/3/16

Checked by *RS*  
Date: 21/3/16      893

Authorised Signatory: *[Signature]*  
Date: 21/3/16

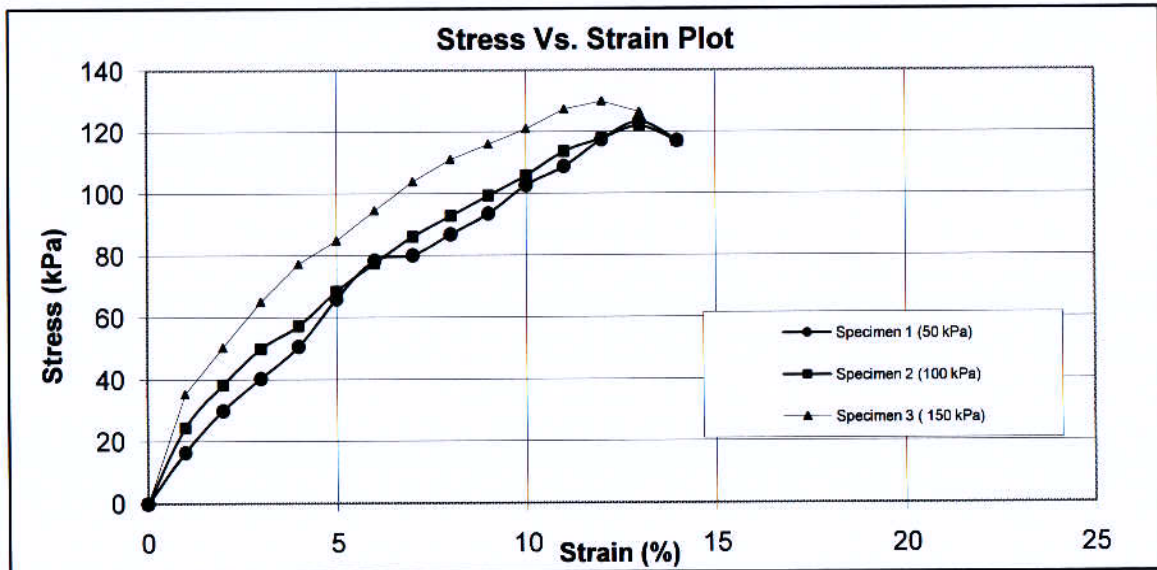
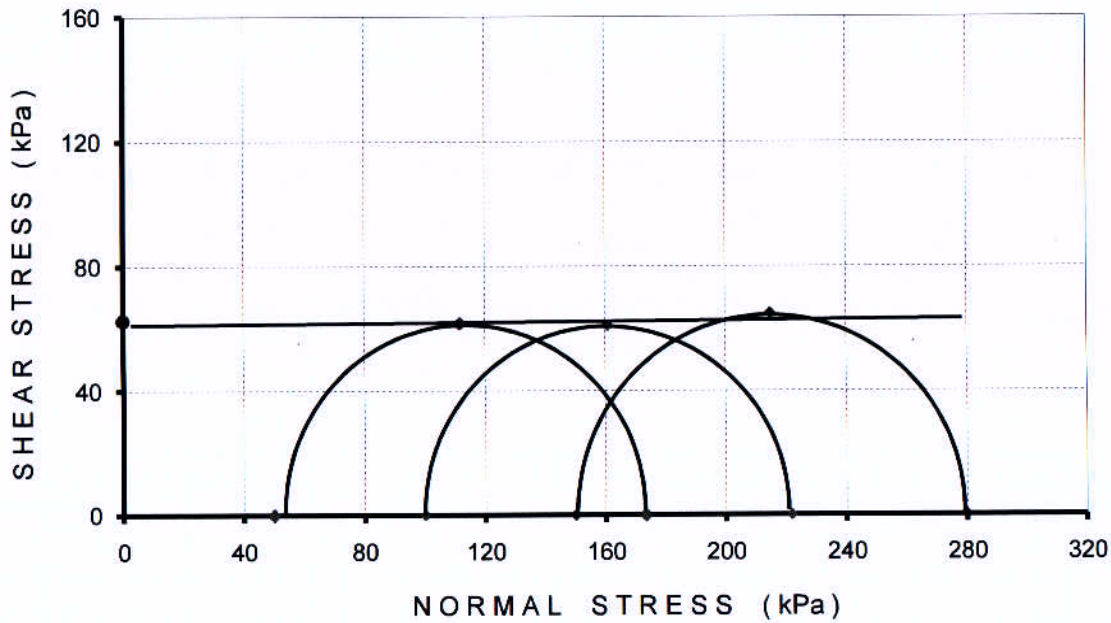
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

IS: 2720 , PART-11

Bulk Density gm/cc	Dry Density gm/cc	Moisture Content %
2.10	1.78	18.20

c Value kPa	$\phi$ Value Degree
63	0.0

'Type of Sample Undisturbed  
'Type of Soil Silty CLAY (CI)



Borehole No:- BH-1	Sample No:- UDS-1	Depth (m) :- 2.00
CH (Km.): - 49+250	Site Ref :- Hapur - Meerut Section	Job No :- 1342
		Test Report No: XPL/2015-16/02
Operator : <i>Bainsingh</i>	Checked by <i>RE</i>	Authorised Signatory: <i>[Signature]</i>
Date : 18/3/16	Date: 21/3/16 804	Date: 21/3/16

**UNCONSOLIDATED UNDRAINED TRIAXIAL TEST**

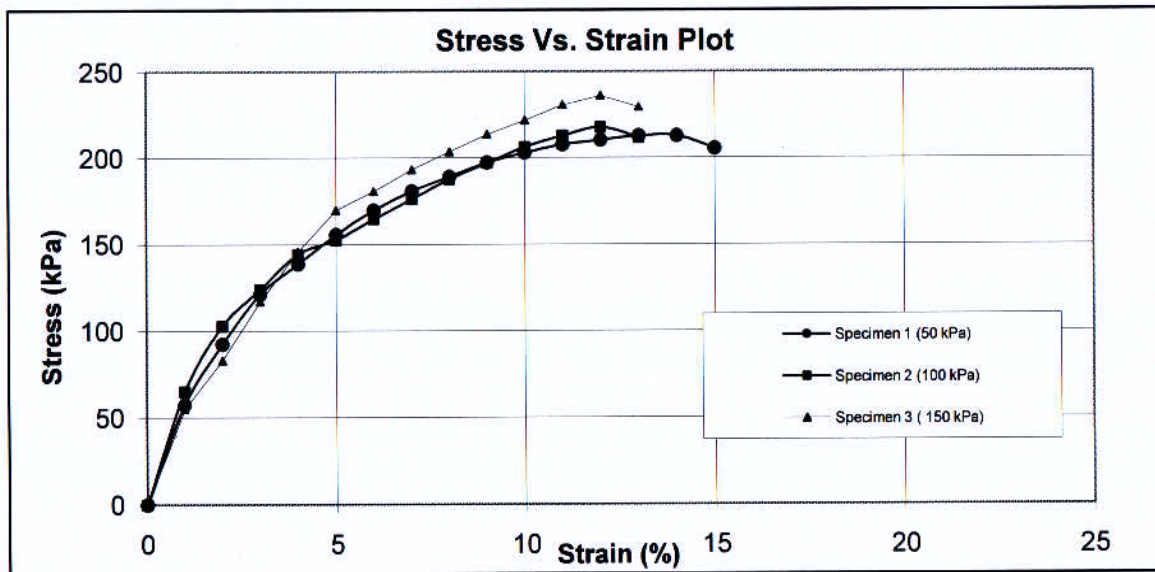
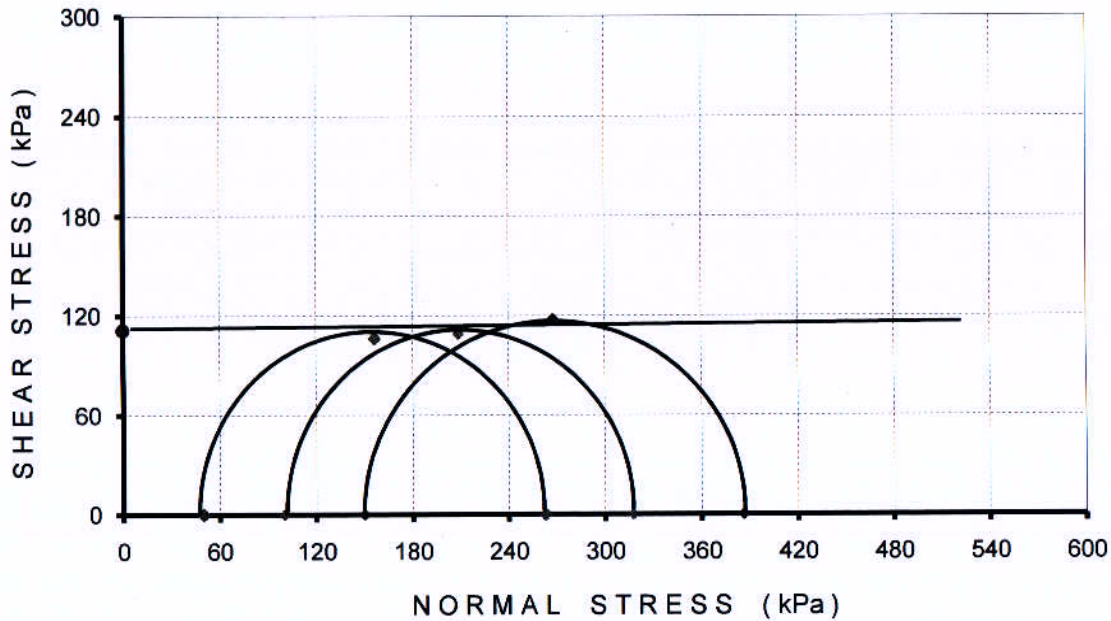
IS: 2720 , PART-11

Bulk Density gm/cc	Dry Density gm/cc	Moisture Content %
2.10	1.78	18.20

c Value kPa	$\phi$ Value Degree
111	0.0

'Type of Sample Undisturbed

'Type of Soil Silty CLAY (CI)



Borehole No:- BH-1      Sample No:- UDS-5      Depth (m) :- 14.00  
 CH (Km.): - 49+250      Site Ref :- Hapur - Meerut Section      Job No :- 1342  
 Test Report No: XPL/2015-16/02

Operator : *Beingsingh*      Checked by *[Signature]*      Authorised Signatory: *[Signature]*  
 Date : 18/3/16      Date: 21/3/16      Date: 21/7/2016

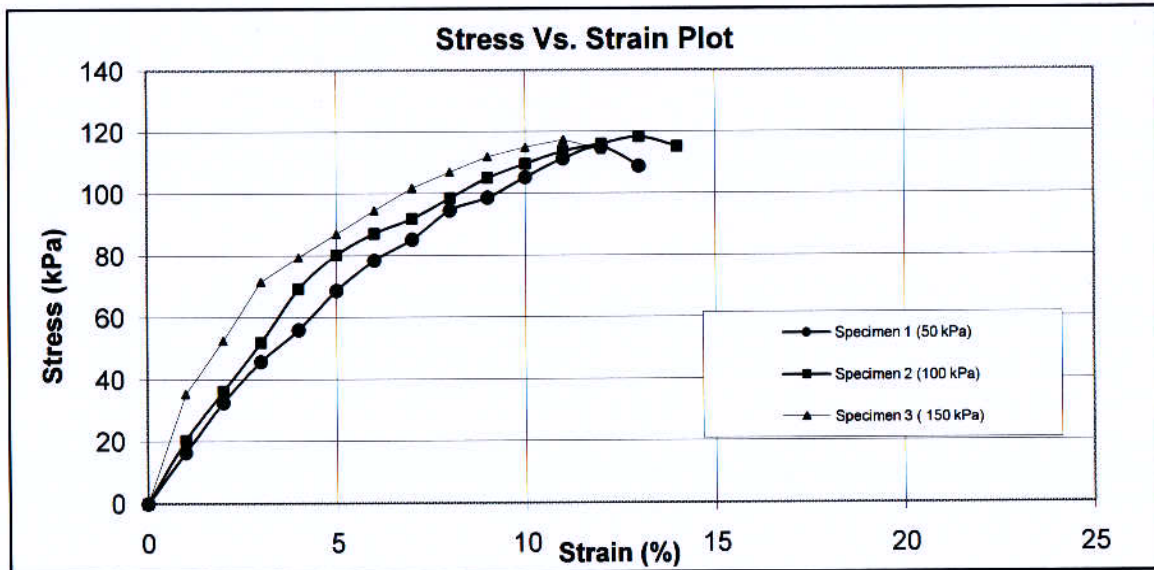
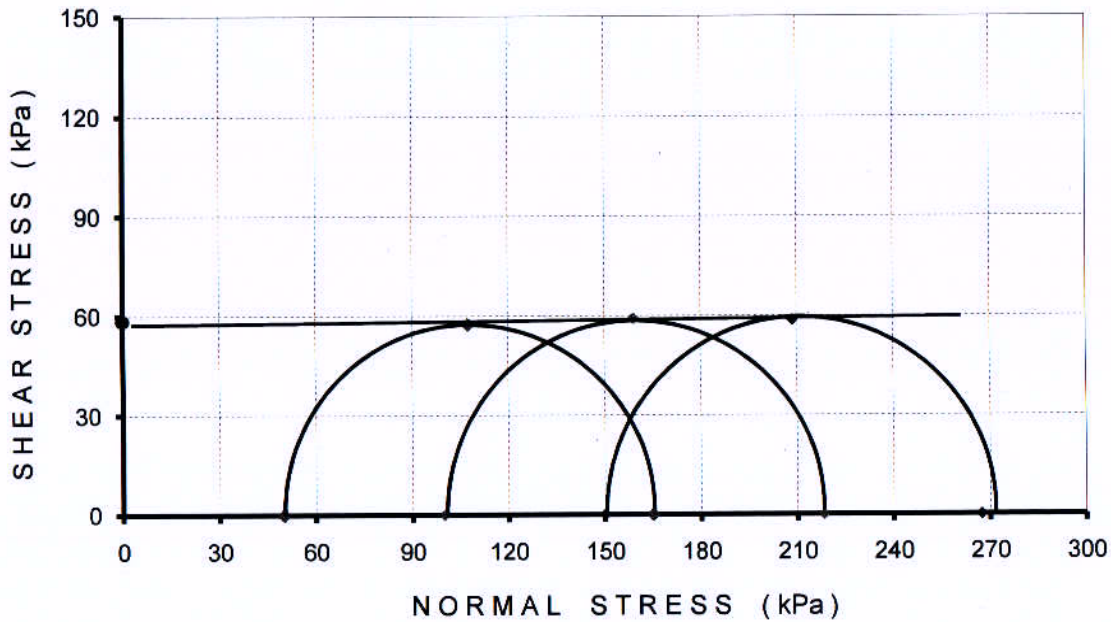
**UNCONSOLIDATED UNDRAINED TRIAXIAL TEST**

IS: 2720 , PART-11

Bulk Density gm/cc	Dry Density gm/cc	Moisture Content %
2.01	1.76	14.30

c Value kPa	$\phi$ Value Degree
58	0.0

'Type of Sample Undisturbed  
'Type of Soil Silty CLAY (CI)



Borehole No:- BH-2      Sample No:- UDS-1      Depth (m) :- 2.00  
CH (Km.): - 65+740      Site Ref :- Hapur - Meerut Section      Job No :- 1342  
Test Report No: XPL/2015-16/02

Operator :  
*Rohit Raj*  
Date : 17/3/16

Checked by  
*[Signature]*  
Date: 21/3/16

Authorised Signatory:  
*[Signature]*  
Date: 21/3/16

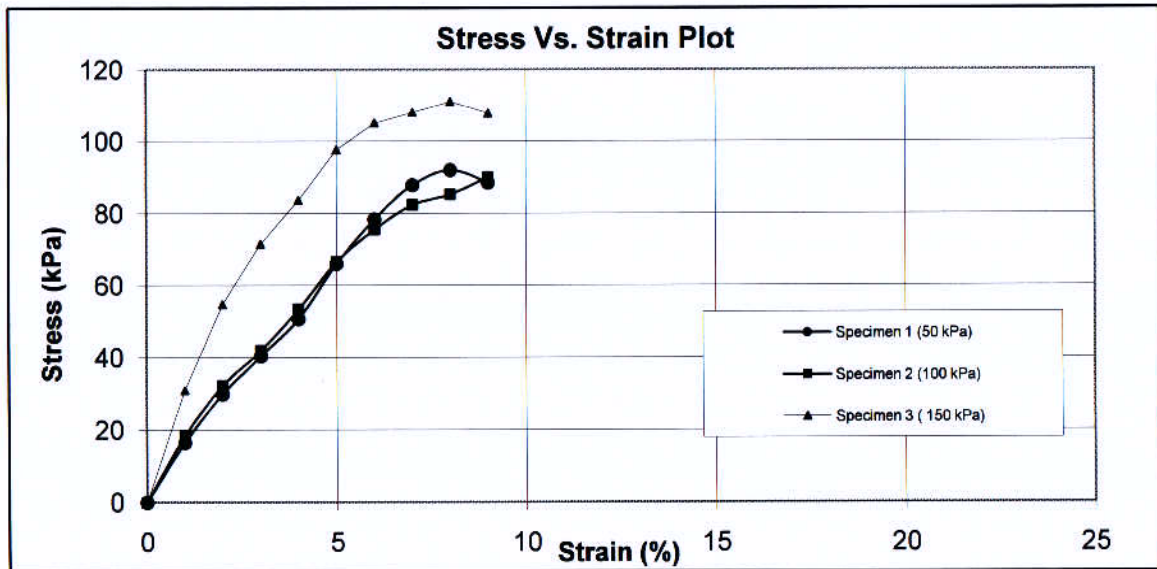
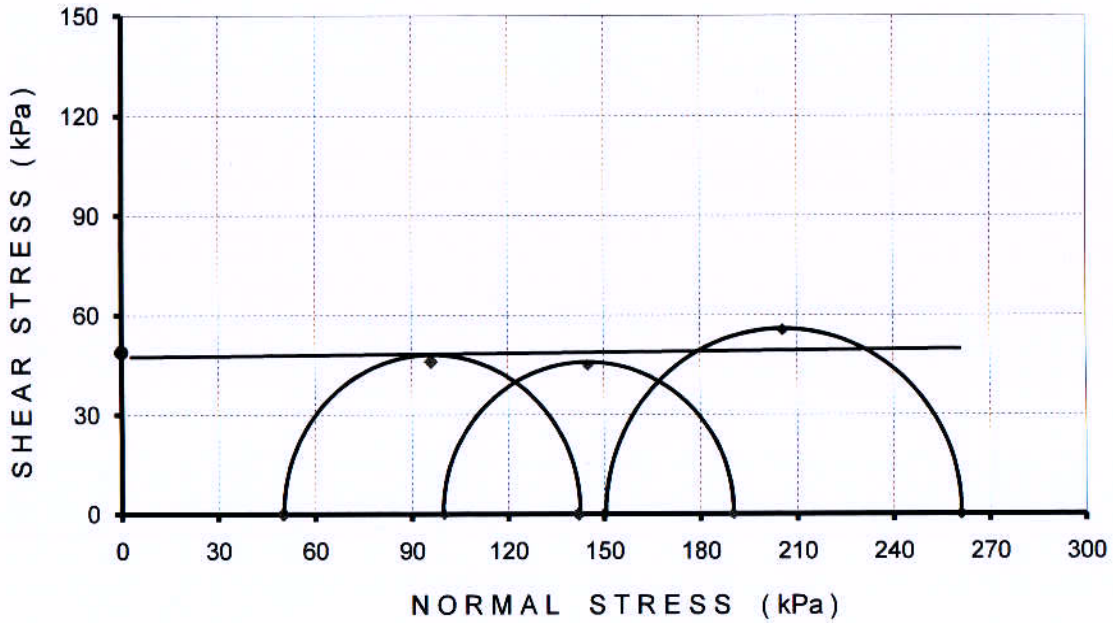
**UNCONSOLIDATED UNDRAINED TRIAXIAL TEST**

IS: 2720 , PART-11

Bulk Density gm/cc	Dry Density gm/cc	Moisture Content %
1.93	1.62	19.40

c Value kPa	$\phi$ Value Degree
49	0.0

'Type of Sample Undisturbed  
'Type of Soil Silty CLAY (CI)



Borehole No:- BH-2      Sample No:- UDS-1      Depth (m) :- 2.00  
CH (Km.):- 66+570      Site Ref :- Hapur - Meerut Section      Job No :- 1342  
Test Report No:XPL/2015-16/02

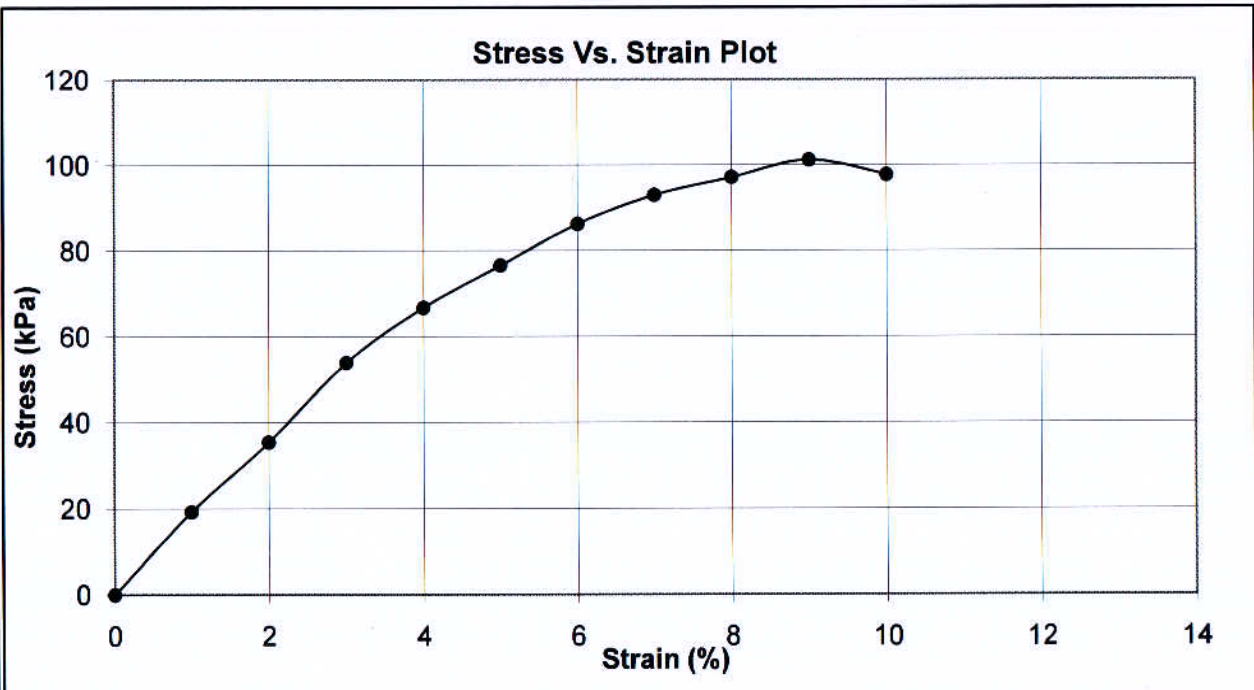
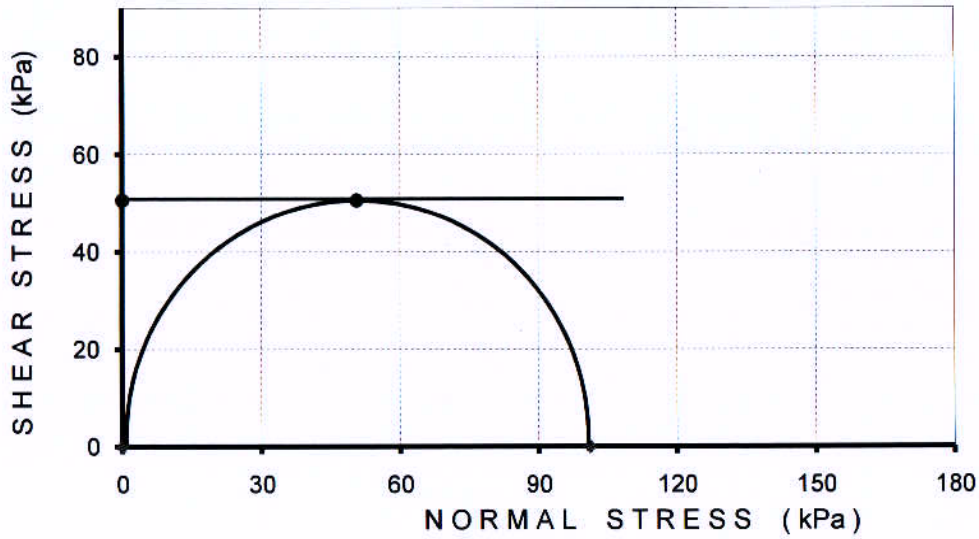
Operator : *Bhoj Raj*      Checked by *RSE*      Authorised Signatory: *[Signature]*  
Date : 17/3/16      Date: 21/3/16      Date: 21/7/2016

**UNCONFINED COMPRESSIVE STRENGTH TEST**  
**IS: 2720 , PART-10**

Bulk Density gm/cc	Dry Density gm/cc	Moisture Content %
1.70	1.46	16.30

c value kPa	$\phi$ Value Degree
51	0.0

Type of Sample : Undisturbed  
Type of Soil : Silty CLAY (CL)



Borehole No: 1/48+400	Sample No: UDS-1	Depth (m) : 2.00
XPLORER	Site Ref: Hapur - Meerut Section	Job No : 1342
Operator :	Checked :	Test Report No: XPL/2015-16/02
Date: 17/3/16	Date: 21/3/16	Authorized Signatory:
	808	21/3/2016



**DETERMINATION OF TOTAL SOLUBLE SULPHATE OF SOIL  
IS 2720: (PART-27) -1977**

**CLIENT / CONSULTANT: SKYLARK DESIGNER AND ENGINEERS (P) LTD**

**PROJECT: Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut**

**JOB No: 1342**



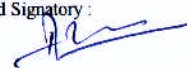
**SITE REF: Hapur - Meerut Section**

**Test Report No: XPL/2015-16/02**

**Location :**

S. No.	Description of Data	Borehole No: 1 / 34+600	Borehole No: 1 / 48+400
		Sample No : SPT-6	Sample No : UDS-1
		Depth (m): 9.00	Depth (m): 2.00
1	Mass of soil sample taken (gm)	100	100
2	Volume of Distilled water added (ml)	200	200
3	Volume of soil water Extract taken ml	100	100
4	Weight of Empty crucible gm (W <sub>1</sub> )	NA	NA
5	Weight of crucible + Barium Sulphate gm (W <sub>2</sub> )	No ppt	No ppt
6	Sulphate (as SO <sub>3</sub> ) gm/l	NIL	NIL

S. No.	Description of Data	Borehole No: 1 / 49+250	Borehole No: 1 / 50+100
		Sample No : UDS-1	Sample No : UDS-1
		Depth (m): 2.00	Depth (m): 2.00
1	Mass of soil sample taken (gm)	100	100
2	Volume of Distilled water added (ml)	200	200
3	Volume of soil water Extract taken ml	100	100
4	Weight of Empty crucible gm (W <sub>1</sub> )	NA	NA
5	Weight of crucible + Barium Sulphate gm (W <sub>2</sub> )	No ppt	No ppt
6	Sulphate (as SO <sub>3</sub> ) gm/l	NIL	NIL

Tested By: 	Checked By: 	Authorised Signatory: 
Date: 21/3/16	Date: 21/3/16	Date: 21/3/16



**DETERMINATION OF TOTAL SOLUBLE SULPHATE OF SOIL**  
**IS 2720: (PART-27) -1977**

CLIENT / CONSULTANT: SKYLARK DESIGNER AND ENGINEERS (P) LTD

PROJECT: Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut

JOB No: 1342

SITE REF: Hapur - Meerut Section

Test Report No: XPL/2015-16/02

Location :

S. No.	Description of Data	Borehole No: 2 / 64+270	Borehole No: 2 / 65+740
		Sample No : SPT-1	Sample No : UDS-4
		Depth (m): 1.50	Depth (m): 11
1	Mass of soil sample taken (gm)	100	100
2	Volume of Distilled water added (ml)	200	200
3	Volume of soil water Extract taken ml	100	100
4	Weight of Empty crucible gm ( $W_1$ )	NA	NA
5	Weight of crucible + Barium Sulphate gm ( $W_2$ )	No ppt	No ppt
6	Sulphate (as $SO_3$ ) gm/l	NIL	NIL

S. No.	Description of Data	Borehole No: 2 / 54+825	Borehole No: 2/ 63+570
		Sample No : UDS-1	Sample No : UDS-1
		Depth (m): 2.00	Depth (m): 2.00
1	Mass of soil sample taken (gm)	100	100
2	Volume of Distilled water added (ml)	200	200
3	Volume of soil water Extract taken ml	100	100
4	Weight of Empty crucible gm ( $W_1$ )	NA	NA
5	Weight of crucible + Barium Sulphate gm ( $W_2$ )	No ppt	No ppt
6	Sulphate (as $SO_3$ ) gm/l	NIL	NIL

Tested By:	Checked By:	Authorised Signatory:
Date: 17/3/16	Date: 21/3/16	Date: 21/3/16



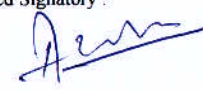


**DETERMINATION OF TOTAL SOLUBLE CHLORIDE OF SOIL**  
Vogel's Text Book of Quantitative Chemical Analysis

CLIENT / CONSULTANT: SKYLARK DESIGNER AND ENGINEERS (P) LTD	JOB No.: 1342
PROJECT: Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut	Test Report No.XPL/2015-16/02
SITE REF: Hapur - Meerut Section	

S. No.	Description of Data	Borehole No: 1 / 34+600	Borehole No: 1 / 48+400	Borehole No: 1 / 49+250
		Sample No : SPT-6	Sample No : UDS-1	Sample No : UDS-1
		Depth (m): 9.00	Depth (m): 2.00	Depth (m): 2.00
1	Mass of soil sample taken (gm)	40	40	40
2	Volume of Distilled water added (ml)	200	200	200
3	Normality of AgNO <sub>3</sub>	0.014N	0.014N	0.014N
4	Volume of soil water extract taken for titration (ml)	25	25	25
5	Initial burette reading V <sub>1</sub>	0	1.3	2.2
6	Final burette reading V <sub>2</sub>	1.3	2.2	3.2
7	Chloride (mg/l or ppm), Y	25.81	17.87	19.86
8	Total Chlorides in soil sample (mg/l or ppm)	129.07	89.36	99.29

S. No.	Description of Data	Borehole No: 1/ 50+100	Borehole No: 2 / 64+270	Borehole No: 2 / 65+740
		Sample No : UDS-1	Sample No : SPT-1	Sample No : UDS-4
		Depth (m): 2.00	Depth (m): 1.50	Depth (m): 11
1	Mass of soil sample taken (gm)	40	40	40
2	Volume of Distilled water added (ml)	200	200	200
3	Normality of AgNO <sub>3</sub>	0.014N	0.014N	0.014N
4	Volume of soil water extract taken for titration (ml)	25	25	25
5	Initial burette reading V <sub>1</sub>	7	3.2	4.1
6	Final burette reading V <sub>2</sub>	8.3	4.1	5.2
7	Chloride (mg/l or ppm), Y	25.81	17.87	21.84
8	Total Chlorides in soil sample (mg/l or ppm)	129.07	89.36	109.22

Tested By: 	Checked By: 	Authorised Signatory: 
Date: 18/3/16	Date: 21/3/16	Date: 21/3/16



**DETERMINATION OF TOTAL SOLUBLE CHLORIDE OF SOIL**  
Vogel's Text Book of Quantitative Chemical Analysis

CLIENT / CONSULTANT: SKYLARK DESIGNER AND ENGINEERS (P) LTD	JOB No.: 1342
PROJECT: Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut	Test Report No.XPL/2015-16/02
SITE REF: Hapur - Meerut Section	

S. No.	Description of Data	Borehole No: 2 / 54+825	Borehole No: 2/ 63+570	Borehole No:
		Sample No : UDS-1	Sample No : UDS-1	Sample No :
		Depth (m): 2.00	Depth (m): 2.00	Depth (m):
1	Mass of soil sample taken (gm)	40	40	
2	Volume of Distilled water added (ml)	200	200	
3	Normality of AgNO <sub>3</sub>	0.014N	0.014N	
4	Volume of soil water extract taken for titration (ml)	25	25	
5	Initial burette reading V <sub>1</sub>	5.2	6.1	
6	Final burette reading V <sub>2</sub>	6.1	7.0	
7	Chloride (mg/l or ppm), Y	17.87	17.87	
8	Total Chlorides in soil sample (mg/l or ppm)	89.36	89.36	

S. No.	Description of Data	Borehole No:	Borehole No:	Borehole No:
		Sample No :	Sample No :	Sample No :
		Depth (m):	Depth (m):	Depth (m):
1	Mass of soil sample taken (gm)			
2	Volume of Distilled water added (ml)			
3	Normality of AgNO <sub>3</sub>			
4	Volume of soil water extract taken for titration (ml)			
5	Initial burette reading V <sub>1</sub>			
6	Final burette reading V <sub>2</sub>			
7	Chloride (mg/l or ppm), Y			
8	Total Chlorides in soil sample (mg/l or ppm)			

Tested By :	Checked By :	Authorised Signatory :
Date: 21/3/2016	Date: 21/3/16	Date: 21/3/2016



**DETERMINATION OF pH VALUE OF SOIL**

IS 2720: (PART-26) -1987

CLIENT / CONSULTANT: SKYLARK DESIGNER AND ENGINEERS (P) LTD

PROJECT: Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut

JOB No: 1342

SITE REF: Hapur - Meerut Section

Test Report No: XPL/2015-16/02

S. No.	Description of Data	Borehole No: 1 / 34+600	Borehole No: 1 / 48+400
		Sample No: SPT-6	Sample No: UDS-1
		Depth (m): 9.00	Depth (m): 2.00
1	Soil Identification	Silty SAND	Silty CLAY
2	Sample Passing Sieve Size ( $\mu$ )	425	425
3	Wt. of Soil sample Taken (gm)	40	40
4	Volume of Distilled water added (ml)	100	100
5	Temperature ( $^{\circ}$ C)	24.2	24.1
6	pH meter reading	7.92	7.15

S. No.	Description of Data	Borehole No: 1 / 49+250	Borehole No: 1 / 50+100
		Sample No: UDS-1	Sample No: UDS-1
		Depth (m): 2.00	Depth (m): 2.00
1	Soil Identification	Silty CLAY	Sandy SILT
2	Sample Passing Sieve Size ( $\mu$ )	425	425
3	Wt. of Soil sample Taken (gm)	40	40
4	Volume of Distilled water added (ml)	100	100
5	Temperature ( $^{\circ}$ C)	24.2	24.2
6	pH meter reading	7.60	7.54

S. No.	Description of Data	Borehole No: 2 / 64+270	Borehole No: 2 / 65+740
		Sample No: SPT-1	Sample No: UDS-4
		Depth (m): 1.50	Depth (m): 11
1	Soil Identification	Sandy SILT	Sandy SILT
2	Sample Passing Sieve Size ( $\mu$ )	425	425
3	Wt. of Soil sample Taken (gm)	40	40
4	Volume of Distilled water added (ml)	100	100
5	Temperature ( $^{\circ}$ C)	23.8	24.2
6	pH meter reading	7.12	7.89

Tested By:

Checked By:

Authorised Signatory:

Date: 18/3/16

Date: 21/3/16

Date: 21/3/2016



**DETERMINATION OF pH VALUE OF SOIL**

**IS 2720: (PART-26) -1987**

**CLIENT / CONSULTANT:** SKYLARK DESIGNER AND ENGINEERS (P) LTD

**PROJECT:** Geotechnical Investigation Works For Hapur - Meerut Section of DFCC Meerut

**JOB No:** 1342

**SITE REF:** Hapur - Meerut Section

**Test Report No:** XPL/2015-16/02

S. No.	Description of Data	Borehole No: 2 / 54+825	Borehole No: 2 / 63+570
		Sample No: UDS-1	Sample No: UDS-1
		Depth (m): 2.00	Depth (m): 11
1	Soil Identification	Silty SAND	Silty CLAY
2	Sample Passing Sieve Size ( $\mu$ )	425	425
3	Wt. of Soil sample Taken (gm)	40	40
4	Volume of Distilled water added (ml)	100	100
5	Temperature ( $^{\circ}$ C)	23.8	23.8
6	pH meter reading	7.38	7.28

S. No.	Description of Data	Borehole No:	Borehole No:
		Sample No :	Sample No :
		Depth (m):	Depth (m):
1	Soil Identification		
2	Sample Passing Sieve Size ( $\mu$ )		
3	Wt. of Soil sample Taken (gm)		
4	Volume of Distilled water added (ml)		
5	Temperature ( $^{\circ}$ C)		
6	pH meter reading		

S. No.	Description of Data	Borehole No:	Borehole No:
		Sample No :	Sample No :
		Depth (m):	Depth (m):
1	Soil Identification		
2	Sample Passing Sieve Size ( $\mu$ )		
3	Wt. of Soil sample Taken (gm)		
4	Volume of Distilled water added (ml)		
5	Temperature ( $^{\circ}$ C)		
6	pH meter reading		

Tested By:

Checked By:

Authorised Signatory:

Date: 01/3/16

Date: 21/3/16

Date: 21/3/2016