

REPORT SHEET



geotest
ENGINEERS PVT. LTD.

(An ISO 9001 : 2008 Certified Company)

Soil Investigators & Land Surveyors

Ph. : 91-33-2430 3494 / 8103

BORE LOG DATA SHEET

Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.5
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.
Depth	20.45 m.	--	--	Ground Bed RL	1.47 m. below D. H. Road Level.
Commenced on: 29.01.18	Completed on: 30.01.18		Location:		Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)
Water Struck: --	Standing Water Level: 1.60 m.				

Description of strata	IS Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES Type	Depth in 'M'
		From	To				
Reclaimed top fill of very soft / soft grey silty clay with traces of grass roots & tree plants.	CH	0.00	1.00	1.00	-- -- --	D D D	0.00 0.50 1.00
Very soft / soft grey silty clay with varying percentage of decomposed wood. (traces to medium to high percentage) • High percentage of peat was also observed at 2.00 m.	CH - OH	2.60	12.20	9.60	-- -- -- 02 -- -- -- 02 -- -- -- 03 -- -- --	D U D P D U D P D U D P D U D	1.50 2.00 - 2.45 3.00 3.50 - 3.95 4.50 5.00 - 5.45 6.00 6.50 - 6.95 7.50 8.00 - 8.45 9.00 9.50 - 9.95 10.50 11.00 - 11.45 12.00

Borehole Continued...

S. S.: Raja Acharya.

D - Disturbed Sample	U - Undisturbed Sample	P - Standard Penetration Test
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Page No. : 49

NOTE : For B.H.1 to B.H.4, refer PH-2A report.

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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.5		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	20.45 m.	--	--	Ground Bed RL	1.47 m. below D. H. Road Level.		
Commenced on: 29.01.18	Completed on: 30.01.18			Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)		
Water Struck: --	Standing Water Level: 1.60 m.						
Description of strata	IS. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Firm / stiff bluish grey / grey silty clay with traces of rusty brown silt spots.	CH	12.20	17.00	4.80	09 -- 11	P D P	12.50 - 12.95 14.00 - 15.45 15.50 - 15.95
Stiff mottled brown silty sandy clay with traces of mica.	SC	17.00	20.00	3.00	-- 14	D P	17.00 - 17.45 18.50 - 18.95
Medium compact brown silty clayey sand.	SC - SM	20.00	20.45		--	U	20.00 - 20.45
Borehole Terminated.							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test			
Page No. : 50							

REPORT SHEET



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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.6		
Dia of Hole	150 mm.	--	-	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	10.45 m.	--	--	Ground Bed RL	1.58 m. below D. H. Road Level.		
Commenced on: 31.01.18	Completed on: 31.01.18		Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)			
Water Struck: --	Standing Water Level: 0.90 m.						
Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Reclaimed top fill of very soft / soft brownish grey silty clay with traces of grass roots & tree plants.	CH	0.00	0.70	0.70	-- --	D D	0.00 0.50
Soft grey silty clay with varying percentage of decomposed wood. (traces to medium to high percentage)	CH - OH	0.70	10.45		-- -- 02 -- -- -- 03 -- -- -- 03 -- --	U D P D U D P D U D P D U	1.00 - 1.45 2.00 2.50 - 2.95 3.50 4.00 - 4.45 5.00 5.50 - 5.95 6.50 7.00 - 7.45 8.00 8.50 - 8.95 9.50 10.00 - 10.45
						Borehole Terminated.	
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test			
Page No. : 51							

REPORT SHEET



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BORE LOG DATA SHEET

Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.7
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.
Depth	20.05 m.	--	--	Ground Bed RL	1.65 m. below D. H. Road Level.
Commenced on: 31.01.18	Completed on: 01.02.18			Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)
Water Struck: --	Standing Water Level: 0.95 m.				

Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES Type	Depth in 'M'
		From	To				
Reclaimed top fill of very soft / soft brownish grey silty clay with traces of grass roots & tree plants,	CH	0.00	0.70	0.70	--	D D	0.00 0.50
Soft brownish grey silty clay / clayey silt with traces of kankars & rusty brown silt spots.	CH - MH	0.70	2.50	1.80	03 --	P D	1.00 - 1.45 2.00
Very soft / soft grey silty clay with varying percentage of decomposed wood. (traces to medium percentage)	CH - OH	2.50	14.70	12.20	-- -- 02 -- -- -- 02 -- -- -- 03 -- -- -- 03	U D P D U slip D P D U D P D U D P	2.50 - 2.95 3.50 4.00 - 4.45 5.00 5.50 - 5.95 6.50 7.00 - 7.45 8.00 8.50 - 8.95 9.50 10.00 - 10.45 11.00 11.50 - 11.95 12.50 13.00 - 13.45

Borehole Continued...

S. S.: Raja Acharya.

D - Disturbed Sample	U - Undisturbed Sample	P - Standard Penetration Test
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Page No. : 52

REPORT SHEET



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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.7		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	20.05 m.	--	--	Ground Bed RL	1.65 m. below D. H. Road Level.		
Commenced on: 31.01.18	Completed on: 01.02.18		Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)			
Water Struck: --	Standing Water Level: 0.95 m.						
Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Firm / stiff / very stiff bluish grey / mottled brown silty clay with traces of rusty brown silt spots, kankars & sandy traces.	CH	14.70	18.50	3.80	-- 13 --	*U P U	14.50 - 14.95 16.00 - 16.45 17.50 - 17.95
Medium compact brown silty fine sand with traces of mica and clay as binder.	SC - SM	18.50	20.05		18	P	19.60 - 20.05
Borehole Terminated.							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test		Page No. : 53	

**U.D.S lies in interface zone between 2 different layers.*

REPORT SHEET



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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.8		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	20.45 m.	--	--	Ground Bed RL	1.68 m. below D. H. Road Level.		
Commenced on: 01.02.18	Completed on: 02.02.18		Location: Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)				
Water Struck: --	Standing Water Level: 0.80 m.						
Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Reclaimed top fill of very soft / soft brownish grey silty clay with traces of grass roots & tree plants.	CH	0.00	1.20	1.20	--	D	0.00
					--	D	0.50
					--	D	1.00
Very soft / soft grey silty clay with mainly traces of decomposed wood. • Medium percentage of decomposed wood was observed only at 15.50 m.	CH - OH	1.20	16.00	14.80	--	D	1.50
					02	P	2.00 - 2.45
					--	D	3.00
					--	U	3.50 - 3.95
					--	D	4.50
					02	P	5.00 - 5.45
					--	D	6.00
					--	U	6.50 - 6.95
					--	D	7.50
					02	P	8.00 - 8.45
					--	D	9.00
					--	U	9.50 - 9.95
					--	D	10.50
					02	P	11.00 - 11.45
					--	D	12.00
					--	U	12.50 - 12.95
					--	D	13.50
03	P	14.00 - 14.45					
--	U	15.50 - 15.95					
Borehole Continued...							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test			
Page No. : 54							

REPORT SHEET



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Ph. : 91-33-2430 3494 / 8103

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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018		B.H.8	
Dia of Hole	150 mm.	--	--	Coordination	As per Borehole Location Plan.		
Depth	20.45 m.	--	--	Sext Angles			
Commenced on: 01.02.18		Completed on: 02.02.18		Ground Bed RL	1.68 m. below D. H. Road Level.		
Water Struck: --		Standing Water Level: 0.95 m.		Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)		
Description of strata	IS Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Stiff grey / bluish grey silty clay with traces of rusty brown silt spots, kankars & slight traces of sandy lenses was also observed at lower reaches only.	CH	16.00	19.20	3.20	17 --	P U	17.00 - 17.45 18.50 - 18.95
Medium compact brown silty fine sand with traces of mica.	SC - SM	19.20	20.45		25	P	20.00 - 20.45
Borehole Terminated.							
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D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test			
Page No. : 55							

REPORT SHEET



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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.9		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	10.05 m.	--	--	Ground Bed RL	1.52 m. below D. H. Road Level.		
Commenced on: 03.02.18	Completed on: 03.02.18		Location: Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)				
Water Struck: --	Standing Water Level: 0.75 m.						
Description of strata	IS. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Reclaimed top fill of very soft / soft grey silty clay with traces of grass roots & tree plants.	CH	0.00	0.50	0.50	--	D	0.00
Soft / firm brownish grey silty clay with traces of rusty brown silt spots.	CH - MH	0.50	3.50	3.00	--	D	0.50
					--	U	0.50 - 0.95
					--	D	1.50
					03	P	2.00 - 2.45
Very soft / soft grey silty clay with varying percentage of decomposed wood. (traces to medium to high percent)	CH - OH	3.50	10.05		--	D	3.00
					--	U	3.50 - 3.95
					02	D	4.50
					--	P	5.00 - 5.45
					--	D	6.00
					--	U	6.50 - 6.95
					--	D	7.50
					02	P	8.00 - 8.45
--	D	9.00					
--	U	9.60 - 10.05					
Borehole Terminated.							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test			
Page No. : 56							

REPORT SHEET



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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.10
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.
Depth	20.95 m.	--	--	Ground Bed RL	1.72 m. below D. H. Road Level.
Commenced on: 05.02.18	Completed on: 05.02.18	Location:		Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)	
Water Struck: --	Standing Water Level: 0.00 m.				

Description of strata	IS Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES Type	Depth in 'M'
		From	To				
Reclaimed top fill of very soft / soft brownish grey silty clay with traces of grass roots & tree plants.	CH	0.00	1.80	1.80	-- -- 03 --	D D P D	0.00 0.50 0.50 - 0.95 1.50
Soft / firm brownish grey silty clay with traces of rusty brown silt spots.	CH - MH	1.80	2.80	1.00	--	U	2.00 - 2.45
Soft grey silty clay with varying percentage of decomposed wood. (traces to medium percentage)	CH - OH	2.80	14.60	11.80	-- 03 -- -- -- 02 -- -- -- 02 -- -- -- 03 -- --	D P D U D P D U D P D U D P D U	3.00 3.50 - 3.95 4.50 5.00 - 5.45 6.00 6.50 - 6.95 7.50 8.00 - 8.45 9.00 9.50 - 9.95 10.50 11.00 - 11.45 12.00 12.50 - 12.95 13.50 14.00 - 14.45

Borehole Continued...

S. S.: Raja Acharya.

D - Disturbed Sample	U - Undisturbed Sample	P - Standard Penetration Test
Page No. : 57		

REPORT SHEET



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Ph. : 91-33-2430 3494 / 8103

BORE LOG DATA SHEET

Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.10		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	20.95 m.	--	--	Ground Bed RL	1.72 m. below D. H. Road Level.		
Commenced on: 05.02.18	Completed on: 05.02.18			Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)		
Water Struck: --	Standing Water Level: 0.00 m.						
Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Very stiff mottled brown silty sandy clay with traces of rusty brown silty spots.	SC	14.60	19.50	4.90	18 -- 19 --	P	15.50 - 15.95
						U	17.00 - 17.45
						P	18.50 - 18.95
						USlip	20.00 - 20.45
Medium compact brown silty fine sand with traces of mica.	SC - SM	19.50	20.95		21	P	20.50 - 20.95
Borehole Terminated.							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test			
Page No. : 58							

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BORE LOG DATA SHEET

Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.11		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	10.45 m.	--	--	Ground Bed RL	1.73 m. below D. H. Road Level.		
Commenced on: 05.02.18	Completed on: 05.02.18		Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)			
Water Struck: --	Standing Water Level: 0.00 m.						
Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Reclaimed top fill of very soft / soft grey / dark grey puddled clay with traces of grass roots & tree plants.	CH	0.00	1.00	1.00	-- --	D	0.00
						D	0.50
Soft / firm brownish grey silty clay with traces of rusty brown silt spots.	CH - MH	1.00	3.30	2.30	-- -- 03	U	1.00 - 1.45
						D	2.00
Very soft / soft grey silty clay with varying percentage of decomposed wood. (traces to medium percentage)	CH - OH	3.30	10.45		-- -- -- 02 -- -- -- 02 -- --	P	2.50 - 2.95
						D	3.50
						U	4.00 - 4.45
						D	5.00
						P	5.50 - 5.95
						D	6.50
						U	7.00 - 7.45
						D	8.00
						P	8.50 - 8.95
D	9.50						
U	10.00 - 10.45						
Borehole Terminated.							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test		Page No. : 59	

REPORT SHEET



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BORE LOG DATA SHEET

Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.12
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.
Depth	20.05 m.	--	--	Ground Bed RL	1.74 m. below D. H. Road Level.
Commenced on: 06.02.18	Completed on: 06.02.18		Location: Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S)		
Water Struck: --	Standing Water Level: --				

Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES Type	Depth in 'M'
		From	To				
Top fill of very soft / soft dark grey silty clay with traces of grass roots & tree plants.	CH	0.00	0.70	0.70	--	D D	0.00 0.50
Soft brownish grey / grey silty clay with traces of rusty brown silt spots & traces of conch shells.	CH - MH	0.70	2.70	2.00	03 -- --	P D *U	1.00 - 1.45 2.00 2.50 - 2.95
Very soft / soft grey silty clay with varying (traces to medium percent) percentage of decomposed wood. • High percentage of peat was also observed at 2.50 m.	CH - OH	2.70	13.60	10.90	-- 02 -- -- -- 02 -- -- -- 02 -- -- -- 03	D P D U D P D U D P D U D P	3.50 4.00 - 4.45 5.00 5.50 - 5.95 6.50 7.00 - 7.45 8.00 8.50 - 8.95 9.50 10.00 - 10.45 11.00 11.50 - 11.95 12.50 13.00 - 13.45

Borehole Continued...

S. S.: Raja Acharya.

D - Disturbed Sample	U - Undisturbed Sample	P - Standard Penetration Test
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Page No. : 60

*U.D.S lies in interface zone between 2 different layers.

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Type of boring	Shell and Auger	Bentonite Mud Boring	Drilling	Report No. : GT / SS / 143 / 2017 - 2018	B.H.12		
Dia of Hole	150 mm.	--	--	Coordination Sext Angles	As per Borehole Location Plan.		
Depth	20.05 m.	--	--	Ground Bed RL	1.74 m. below D. H. Road Level.		
Commenced on: 06.02.18	Completed on: 06.02.18			Location:	Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)		
Water Struck: --	Standing Water Level: --						
Description of strata	I.S. Classification	Depth in 'M'		Thickness in 'M'	'N' Value	SAMPLES	Depth in 'M'
		From	To			Type	
Stiff / very stiff bluish grey / mottled brown silty clay with traces of kankars.	CH	13.60	18.30	4.70	19	U	14.50 - 14.95
						P	16.00 - 16.45
						U	17.50 - 17.95
Medium compact brown silty fine sand with traces of mica & clay as binder.	SC - SM	18.30	20.05		27	P	19.60 - 20.05
Borehole Terminated.							
S. S.: Raja Acharya.							
D - Disturbed Sample		U - Undisturbed Sample		P - Standard Penetration Test		Page No. : 61	

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
B.H. No.	Stratum	T V P E	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. -C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	'ψ' °			Gravel %	Sand %	Silt %	Clay %	
5.	III	U	2.00 to 2.45	Top: - Dark grey silty clay with high percentage of peat. Bottom: - Grey silty clay with medium percentage of decomposed wood.	53.26	16.26	10.60	85	29	16.55	--	--	2.48	1.320	--	01	51	48	
5.	III	U	5.00 to 5.45	Grey silty clay with medium percentage of decomposed wood.	57.95	16.05	10.16	79	25	15.13	--	--	--	--	--	--	--	--	
5.	III	U	8.00 to 8.45	Grey silty clay with medium percentage of decomposed wood.	43.17	16.61	11.60	83	28	19.94	--	--	2.49	1.074	--	01	51	48	
5.	III	U	11.00 to 11.45	Grey silty clay with high percentage of decomposed wood.	68.23	15.22	09.04	103	*	14.28	--	--	--	--	--	--	--	--	
*High values due to presence of high percentage of decomposed wood in soil sample.																			
Page. No. :63																			

Note: 1) Atterberg's limit tests have been conducted on air dried samples.
2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

NOTE : For B.H.1 to B.H.4, refer PH-2A report.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. – 24 Pgs. (S).															
Sl. No.	Symbol	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e _i '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ϕ '			Gravel %	Sand %	Silt %	Clay %	
5.	IV	U	14.00 to 14.45	Bluish grey silty clay with traces of calcareous nodules and sandy traces.	31.81	18.48	14.02	65	23	42.36	--	--	2.67	0.849	H.A.	03	11	42	44
5.	IVA	U	17.00 to 17.45	Mottled brown silty sandy clay with rusty brown silt spots.	23.31	19.82	16.07	51	20	--	Tr. U. U. Test 73.44 10 ⁰		2.72	0.634	H.A.	--	39	19	42
5.	V	U	20.00 to 20.45	Brown silty clayey sand with traces of mica.	27.49	18.45	14.47	NP	NP	--	--	--	--	--	H.A.	--	65	09	26
																Page. No. :64			

Note: 1) Atterberg's limit tests have been conducted on air dried samples.

2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
Sl. No.	Stratum	TYP E	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ψ '			TYPE	Gravel %	Sand %	Silt %	Clay %
6.	III	U	1.00 to 1.45	Grey silty clay with medium percentage of decomposed wood.	41.39	16.84	11.91	85	29	--	Tr. U. U. Test 21.72 0 ⁰		2.48	1.026	H.A.	--	01	51	48
6.	III	U	4.00 to 4.45	Grey silty clay with medium percentage of decomposed wood.	40.52	16.79	11.94	84	28	20.94	--	--	2.49	1.008	H.A.	--	01	51	48
6.	III	U	7.00 to 7.45	Grey silty clay with high percentage of decomposed wood.	* 64.46	15.71	09.55	93	* 34	16.03	--	--	--	--	--	--	--	--	--
*High values due to presence of high percentage of decomposed wood in soil sample.																			
Page. No. :65																			

Note: 1) Atterberg's limit tests have been conducted on air dried samples.
2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01						
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. – 24 Pgs. (S).																
S.No	Stratum	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE					
						Bulk	Dry				'C' kN/m ²	' ψ '			TYPE	Gravel %	Sand %	Silt %	Clay %	
6.	III	U	10.00 to 10.45	Grey silty clay with medium percentage of decomposed wood.	55.69	16.15	10.37	67	24	15.98	--	--	--	--	--	--	--	--	--	
7.	III	U	2.50 to 2.95	Grey silty clay with traces of decomposed wood.	39.40	17.03	12.21	76	26	20.94	--	--	2.55	1.004	H.A.	--	03	51	46	
7.	III	U	8.50 to 8.95	Grey silty clay with medium percentage of decomposed wood.	43.19	16.88	11.78	85	29	21.16	--	--	2.49	1.075	H.A.	--	01	51	48	
																			Page. No. :66	

Note: 1) Atterberg's limit tests have been conducted on air dried samples.
2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
S. No.	Stratum	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ϕ '			Gravel %	Sand %	Silt %	Clay %	
7.	III	U	11.50 to 11.95	Grey silty clay with medium percentage of decomposed wood.	41.55	16.67	11.77	66	24	19.24	--	--	--	--	--	--	--	--	
7.	IV	U	14.50 to 14.95	Top: - Grey silty clay with traces of decomposed wood. Bottom: - Bluish grey silty clay.	32.86	18.43	13.87	68	24	--	Tr. U. U. Test		2.65	0.870	--	05	51	44	
7.	IV	U	17.50 to 17.95	Mottled brown silty clay with rusty brown silt spots and sandy traces.	23.74	19.56	13.38	63	20	--	86.39	0 ⁰	2.72	0.645	--	19	41	40	
																Page. No. :67			

Note: 1) Atterberg's limit tests have been conducted on air dried samples.
2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. – 24 Pgs. (S).															
S. No.	Stratum	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ϕ '			Gravel %	Sand %	Silt %	Clay %	
8.	III	U	3.50 to 3.95	Grey silty clay with sporadic traces of decomposed wood.	33.21	18.01	13.52	68	24	27.81	--	--	2.60	0.863	H.A.	--	03	49	48
8.	III	U	6.50 to 6.95	Grey silty clay with traces of decomposed wood.	35.17	17.77	13.14	70	22	--	Tr. U. U. Test 26.44 0 ⁰		--	--	--	--	--	--	--
8.	III	U	9.50 to 9.95	Grey silty clay with traces of decomposed wood.	38.75	17.39	12.53	75	26	20.90	--	--	2.55	0.988	H.A.	--	03	49	48
																Page. No. :68			

Page. No. :68

- Note: 1) Atterberg's limit tests have been conducted on air dried samples.
 2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
Sl. No.	Stratum	T V P E	Depth in Metre below EGL.	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ϕ '			Gravel %	Sand %	Silt %	Clay %	
8.	III	U	12.50 to 12.95	Grey silty clay with traces of decomposed wood.	39.88	17.11	12.23	67	25	20.06	--	--	--	--	--	--	--	--	
8.	III	U	15.50 to 15.95	Grey silty clay with medium percentage of decomposed wood.	45.56	16.51	11.34	73	24	--	Tr. U. U. Test 19.16 0 ⁰		--	--	--	--	--		
8.	IV	U	18.50 to 18.95	Bluish grey silty clay with calcareous nodules and sandy traces.	26.80	19.24	15.17	65	22	--	92.21	0 ⁰	2.71	0.726	06	16	34	44	
8.	V	P	20.00 to 20.45	Brown silty fine sand with traces of mica.	--	--	--	NP	NP	--	--	--	--	--	--	79	←21→		
																		Page. No. 69	

Note: 1) Atterberg's limit tests have been conducted on air dried samples.

2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. – 24 Pgs. (S).															
Sl. No.	Stratum	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ψ '			TYPE	Gravel %	Silt %	Clay %	
9.	II	U	0.50 to 0.95	Brownish grey silty clay with rusty brown silt spots.	32.31	18.43	13.92	64	23	28.12	--	--	2.66	0.859	H.A.	--	04	54	42
9.	III	U	3.50 to 3.95	Grey silty clay with high percentage of decomposed wood.	123.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
*High values due to presence of high percentage of decomposed wood in soil sample.																			
9.	III	U	6.50 to 6.95	Grey silty clay with traces of decomposed wood.	34.78	17.79	13.19	69	26	24.28	--	--	--	--	--	--	--	--	--
Note: 1)				Atterberg's limit tests have been conducted on air dried samples.														Page. No. :70	

*High values due to presence of high percentage of decomposed wood in soil sample.

- Note: 1) Atterberg's limit tests have been conducted on air dried samples.
 2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
S. No.	Stratum	TYP	Depth in Metre below E/G.L.	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ψ '			Gravel %	Sand %	Silt %	Clay %	
9.	III	U	9.60 to 10.05	Grey silty clay with medium percentage of decomposed wood.	41.75	16.62	11.72	82	28	18.88	--	--	2.49	1.039	H.A.	--	01	51	48
10.	II	U	2.00 to 2.45	Brownish grey silty clay with rusty brown silt spots.	32.25	18.43	13.93	65	23	--	Tr. U. U. Test		2.65	0.854	H.A.	--	04	52	44
10.	III	U	5.00 to 5.45	Grey silty clay with traces of decomposed wood.	38.50	17.65	12.74	63	24	23.50	--	--	--	--	--	--	--	--	--
																Page. No. : 71			

Note: 1) Atterberg's limit tests have been conducted on air dried samples.

2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results												LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).																	
Sl. No.	Stratum	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE						
						Bulk	Dry				'C' kN/m ²	' ϕ '			Gravel %	Sand %	Silt %	Clay %			
											Tr. U. U. Test										
10.	III	U	8.00 to 8.45	Grey silty clay with traces of decomposed wood.	36.62	17.48	12.79	75	26	--	23.08	0 ⁰	2.55	0.933		--	03	53	44		
10.	III	U	11.00 to 11.45	Grey silty clay with medium percentage of decomposed wood.	43.36	16.52	11.52	73	21	18.80	--	--	--	--		--	--	--	--		
10.	III	U	14.00 to 14.45	Grey silty clay with medium percentage of decomposed wood.	44.25	16.75	11.61	67	24	--	19.74	0 ⁰	--	--		--	--	--	--		
															Page No. :72						

Note: 1) Atterberg's limit tests have been conducted on air dried samples.

2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
R.H. No.	Stratum	I V P E	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ϕ '			TYPE	Gravel %	Sand %	Silt %	Clay %
											Ir. U. U. Test								
10.	IVA	U	17.00 to 17.45	Mottled brown silty sandy clay with rusty brown silt spots.	26.05	19.32	15.32	54	19	--	90.04	10 ⁰	2.71	0.705	H.A.	--	38	22	40
10.	IV	P	18.50 to 18.95	Mottled brown silty sandy clay with rusty brown silt spots.	--	--	--	53	18	--	--	--	--	--	H.A.	--	39	19	42
10.	V	P	20.50 to 20.95	Brown silty fine sand with traces of mica.	--	--	--	NP	NP	--	--	--	--	--	S.A.	--	81	←19→	
																		Page. No. :73	

- Note:** 1) Atterberg's limit tests have been conducted on air dried samples.
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Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01					
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
Sl. No.	Stratum	Type	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	' ϕ '			Gravel %	Sand %	Silt %	Clay %	
11.	II	U	1.00 to 1.45	Brownish grey silty clay with rusty brown silt spots.	33.91	18.22	13.60	65	24	26.07	--	--	2.65	0.898	--	04	52	44	
11.	III	U	4.00 to 4.45	Grey silty clay with medium percentage of decomposed wood.	59.25	16.09	10.10	87	27	--	Tr. U. U. Test		--	--	--	--	--	--	
																		Page. No. :74	

Note: 1) Atterberg's limit tests have been conducted on air dried samples.
 2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01				
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).														
S. No.	Stratum	T V P E	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. ‘C’ kN/m ²	Triaxial / Direct Shear		Specific Gravity ‘G’	Initial Void Ratio ‘e ₀ ’	GRAIN SIZE			
						Bulk	Dry				‘C’ kN/m ²	‘ ϕ ’			Gravel %	Sand %	Silt %	Clay %
11.	III	U	7.00 to 7.45	Grey silty clay with traces of decomposed wood.	33.54	17.95	13.44	73	25	25.02	--	--	2.56	0.858	--	03	51	46
11.	III	U	10.00 to 10.45	Grey silty clay with medium percentage of decomposed wood.	43.79	16.84	11.71	70	22	--	Tr. U. U. Test 20.05 0 ⁰		--	--	--	--	--	--
12.	II & III	U	2.50 to 2.95	Top: - Grey silty clay with rusty brown silt spots. Bottom: - Dark grey silty clay with high percentage of peat.	193.54	--	--	--	--	--	--	--	--	--	--	--	--	--
*High values due to presence of high percentage of peat in soil sample.																		

*High values due to presence of high percentage of peat in soil sample.

- Note: 1) Atterberg's limit tests have been conducted on air dried samples.
2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results										LAB- 14 Issue -01				
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).														
B.L. No.	Stratum	T V P E	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE			
						Bulk	Dry				'C' kN/m ²	' ψ '			Gravel %	Sand %	Silt %	Clay %
12.	III	U	5.50 to 5.95	Grey silty clay with medium percentage of decomposed wood.	47.15	16.60	11.28	73	22	18.77	--	--	--	--	--	--	--	--
12.	III	U	8.50 to 8.95	Grey silty clay with medium percentage of decomposed wood.	47.94	16.73	11.30	85	28	--	Tr. U. U. Test		2.49	1.193	--	01	51	48
12.	III	U	11.50 to 11.95	Grey silty clay with medium percentage of decomposed wood.	47.77	16.45	11.13	76	25	16.17	--	--	--	--	--	--	--	--

Note: 1)

Atterberg's limit tests have been conducted on air dried sample.

Page. No. :76

Note: 1) Atterberg's limit tests have been conducted on air dried samples.

2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

GEOTEST ENGINEERS PVT. LTD. KOLKATA.				Laboratory Test Results												LAB- 14 Issue -01			
Location:				Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S).															
B.H. No.	Stratum	TYP	Depth in Metre below EGL	DESCRIPTION	Natural Moisture Content %	Density (kN/m ³)		Liquid Limit %	Plastic Limit %	U.C.S. 'C' kN/m ²	Triaxial / Direct Shear		Specific Gravity 'G'	Initial Void Ratio 'e ₀ '	GRAIN SIZE				
						Bulk	Dry				'C' kN/m ²	'ψ'			Gravel %	Sand %	Silt %	Clay %	
12.	IV	U	14.50 to 14.95	Bluish grey silty clay with rusty brown silt spots.	24.10	19.38	15.61	66	21	75.10	--	--	2.72	0.655	H.A.	--	05	53	42
12.	IV	U	17.50 to 17.95	Mottled brown silty clay with rusty brown silt spots and sandy traces.	25.51	19.50	15.53	62	20	--	Tr. U. U. Test 96.11		2.71	0.691	H.A.	--	17	43	40
12.	V	P	19.60 to 20.05	Brown silty fine sand with traces of mica.	--	--	--	NP	NP	--	--	--	--	--	S.A.	--	90	--	←10→
Page No. :77																			

Note: 1) Atterberg's limit tests have been conducted on air dried samples.
2) Triaxial tests have been conducted with minimum cell pressure equal to or slightly greater than the geostatic Stress at 'in-situ' condition from where the Sample had been procured.

Abbreviation: U = Undisturbed Sample, P = SPT Sample, H.A. = Hydrometer Analysis, S.A. = Sieve Analysis.

REPORT SHEET



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ENGINEERS PVT. LTD.

(An ISO 9001 : 2008 Certified Company)
Soil Investigators & Land Surveyors
Ph. : 91-33-2430 3494 / 8103

Site: Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S).

TABLE - 4

Chart for ' m_v ' Values

Stratum	Sample No.	Depth in metre below E.G.L.	m_v (cm^2/kg) Pressure Range in kg/cm^2				
			0 - 1/4	1/4 - 1/2	1/2 - 1	1 - 2	2 - 4
III	U-5/1	2.00 - 2.45	0.1000	0.0931	0.0646	0.0456	0.0314
III	U-5/3	8.00 - 8.45	0.0752	0.0675	0.0483	0.0318	0.0209
IV	U-5/5	14.00 - 14.45	0.0497	0.0422	0.0324	0.0216	0.0132
IVA	U-5/6	17.00 - 17.45	0.0416	0.0322	0.0265	0.0171	0.0113
III	U-6/1	1.00 - 1.45	0.0651	0.0594	0.0444	0.0310	0.0209
III	U-6/2	4.00 - 4.45	0.0617	0.0567	0.0438	0.0298	0.0204
III	U-7/1	2.50 - 2.95	0.0578	0.0558	0.0369	0.0259	0.0179
III	U-7/2	8.50 - 8.95	0.0713	0.0666	0.0468	0.0318	0.0214
							0.0219
							0.0139
							0.0094
							0.0079
							0.0139
							0.0138
							0.0121
							0.0143

Page No: 78

NOTE : For B.H.1 to B.H.4, refer PH-2A report.

Continued...

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TABLE - 4

Chart for 'm_v' Values

Stratum	Sample No.	Depth in metre below E.G.L.	'm _v ' (cm ² /kg) Pressure Range in kg/cm ²					
			0 - 1/4	1/4 - 1/2	1/2 - 1	1 - 2	2 - 4	4 - 8
IV	U-7/4	14.50 - 14.95	0.0449	0.0400	0.0299	0.0208	0.0136	0.0088
IV	U-7/5	17.50 - 17.95	0.0413	0.0324	0.0233	0.0164	0.0109	0.0066
III	U-8/1	3.50 - 3.95	0.0536	0.0470	0.0343	0.0225	0.0158	0.0103
III	U-8/3	9.50 - 9.95	0.0583	0.0553	0.0382	0.0256	0.0188	0.0116
IV	U-8/6	18.50 - 18.95	0.0440	0.0340	0.0258	0.0181	0.0124	0.0081
II	U-9/1	0.50 - 0.95	0.0494	0.0430	0.0322	0.0220	0.0145	0.0094
III	U-9/4	9.60 - 10.05	0.0706	0.0686	0.0455	0.0299	0.0198	0.0132
II	U-10/1	2.00 - 2.45	0.0496	0.0431	0.0323	0.0215	0.0145	0.0095

Page No : 79

Continued...

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TABLE - 4

Chart for 'm_v' Values

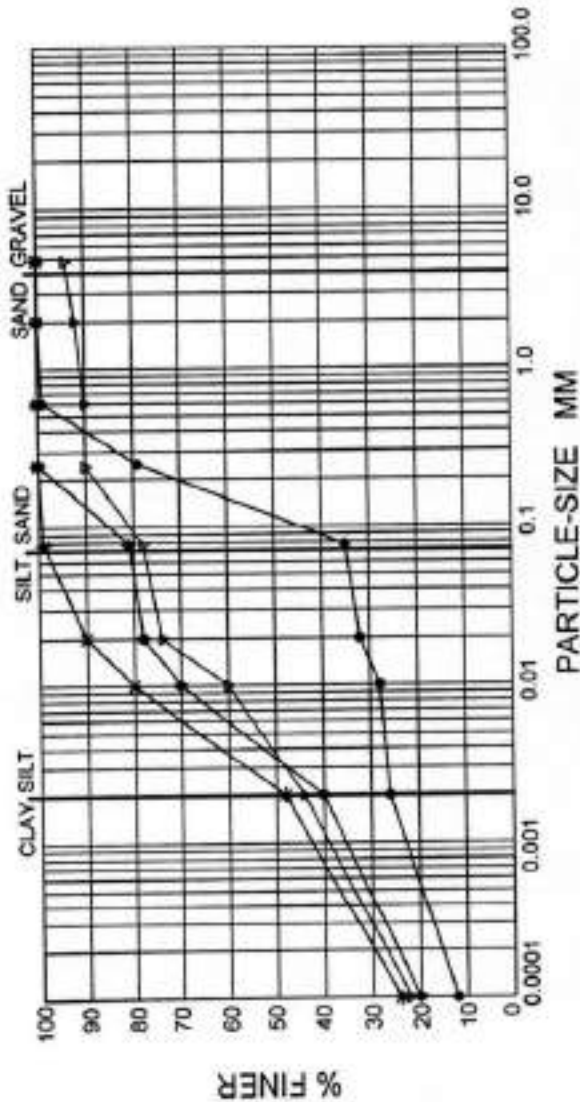
Stratum	Sample No.	Depth in metre below E.G.L.	'm _v ' (cm ² /kg) Pressure Range in kg/cm ²				
			0 - 1/4	1/4 - 1/2	1/2 - 1	1 - 2	2 - 4
III	U-10/3	8.00 - 8.45	0.0558	0.0538	0.0354	0.0263	0.0178
IV A	U-10/6	17.00 - 17.45	0.0422	0.0348	0.0253	0.0193	0.0123
II	U-11/1	1.00 - 1.45	0.0505	0.0463	0.0326	0.0226	0.0152
III	U-11/3	7.00 - 7.45	0.0538	0.0516	0.0344	0.0247	0.0166
III	U-12/3	8.50 - 8.95	0.0729	0.0676	0.0489	0.0337	0.0246
IV	U-12/5	14.50 - 14.95	0.0410	0.0352	0.0233	0.0163	0.0105
IV	U-12/6	17.50 - 17.95	0.0402	0.0338	0.0260	0.0171	0.0115

Page No : 80



PARTICLE-SIZE DISTRIBUTION CURVES

Location : Mouza - Amtala, P.S. - Bishrupur, Dist. - 24 Pgs. (S)



CLAY %		SILT %		SAND %		GRAVEL %	
FINE	COARSE	FINE	COARSE	FINE	COARSE	FINE	COARSE

B.H. NO.	DEPTH	CLAY %	SILT %	SAND %	GRAVEL %
5.	20.00 m.	26	09	65	0
6.	4.00 m.	48	51	01	0
7.	17.50 m.	40	41	19	0
8.	18.50 m.	44	34	16	06

LEGEND

REPORT SHEET



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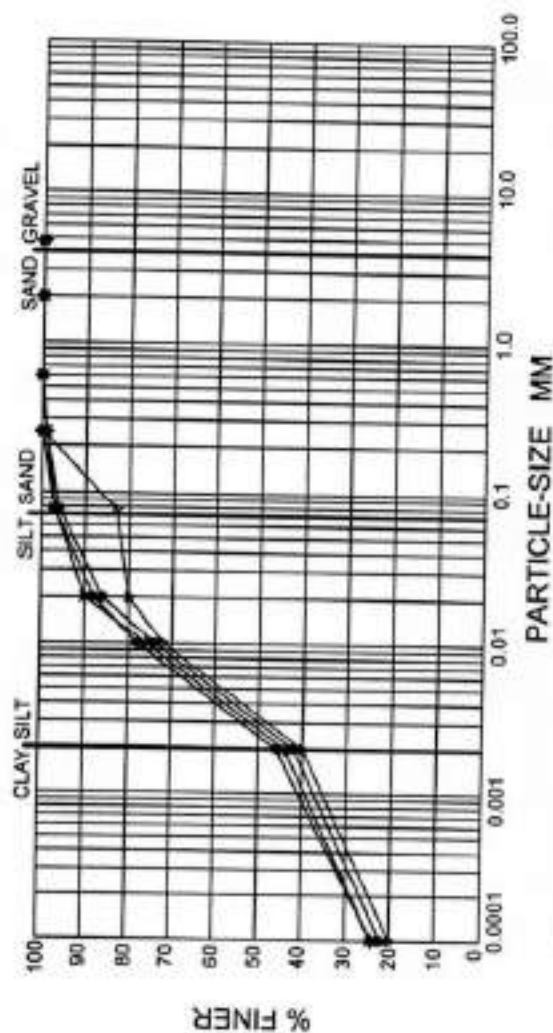
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PARTICLE-SIZE DISTRIBUTION CURVES

Location : Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs. (S)



CLAY %		SILT %		SAND %		GRAVEL %	
FINE	COARSE	FINE	COARSE	FINE	COARSE	FINE	COARSE

B.H. NO.	DEPTH
9.	0.50 m.
10.	8.00 m.
11.	7.00 m.
12.	17.50 m.

CLAY %		SILT %		SAND %		GRAVEL %	
FINE	COARSE	FINE	COARSE	FINE	COARSE	FINE	COARSE
42	54	04	-	-	-	-	-
44	53	03	-	-	-	-	-
46	51	03	-	-	-	-	-
40	43	17	-	-	-	-	-

PAGE NO. : 82

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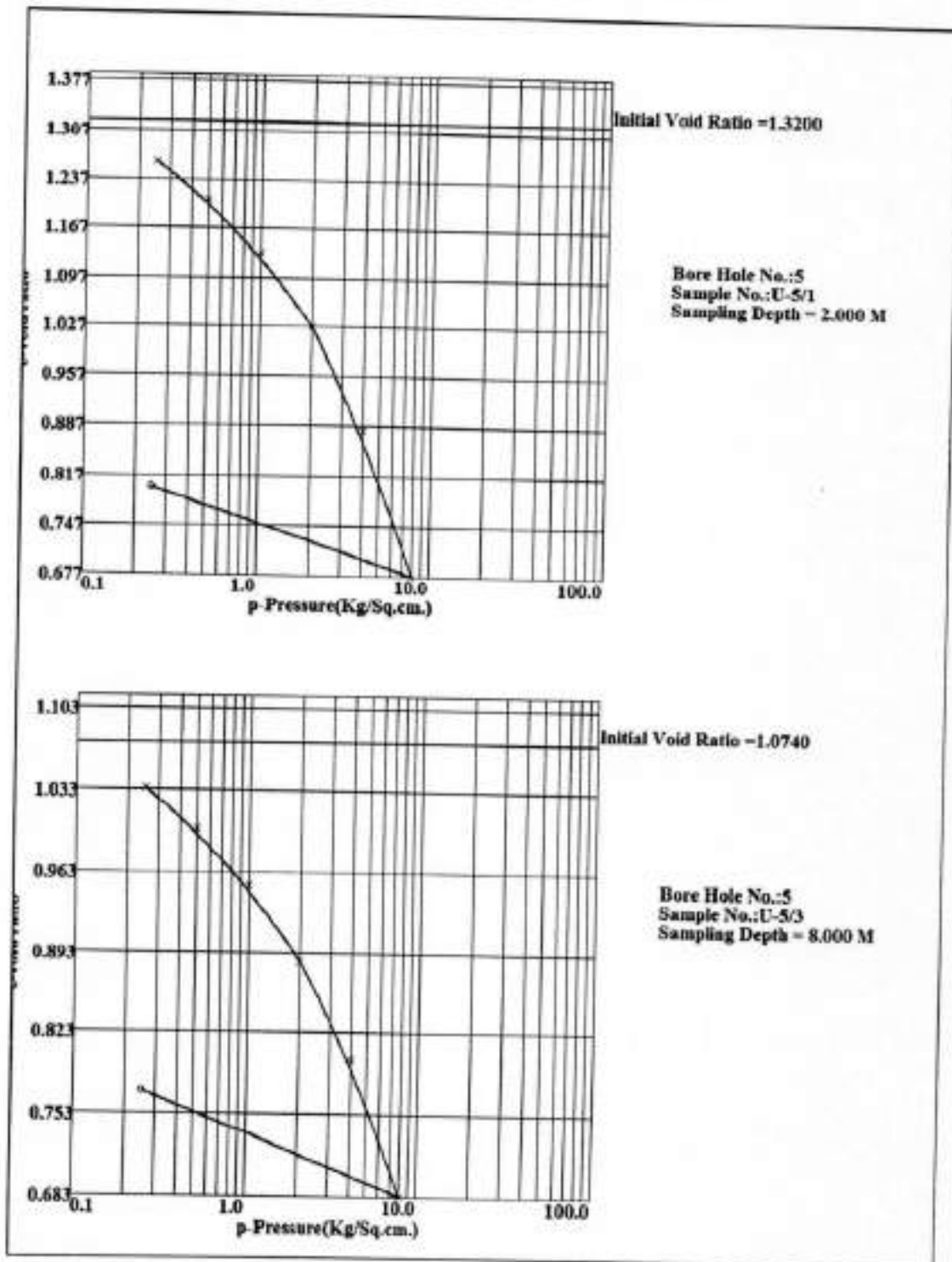
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:: 83 ::

Project: Mouza - Amtala, P.S. - Bishnupur, Dist. - 24 Pgs.(S)



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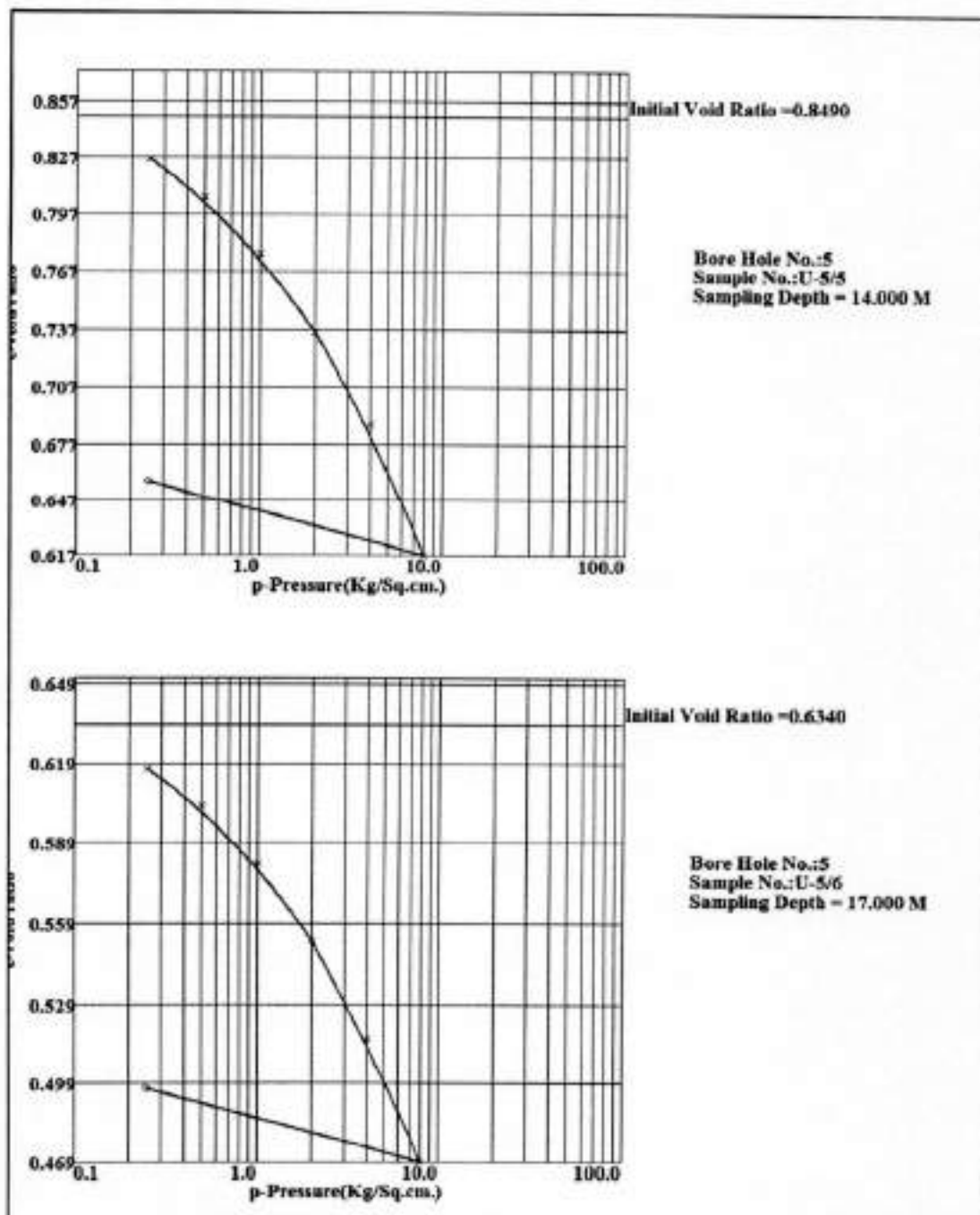
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:: 84 ::

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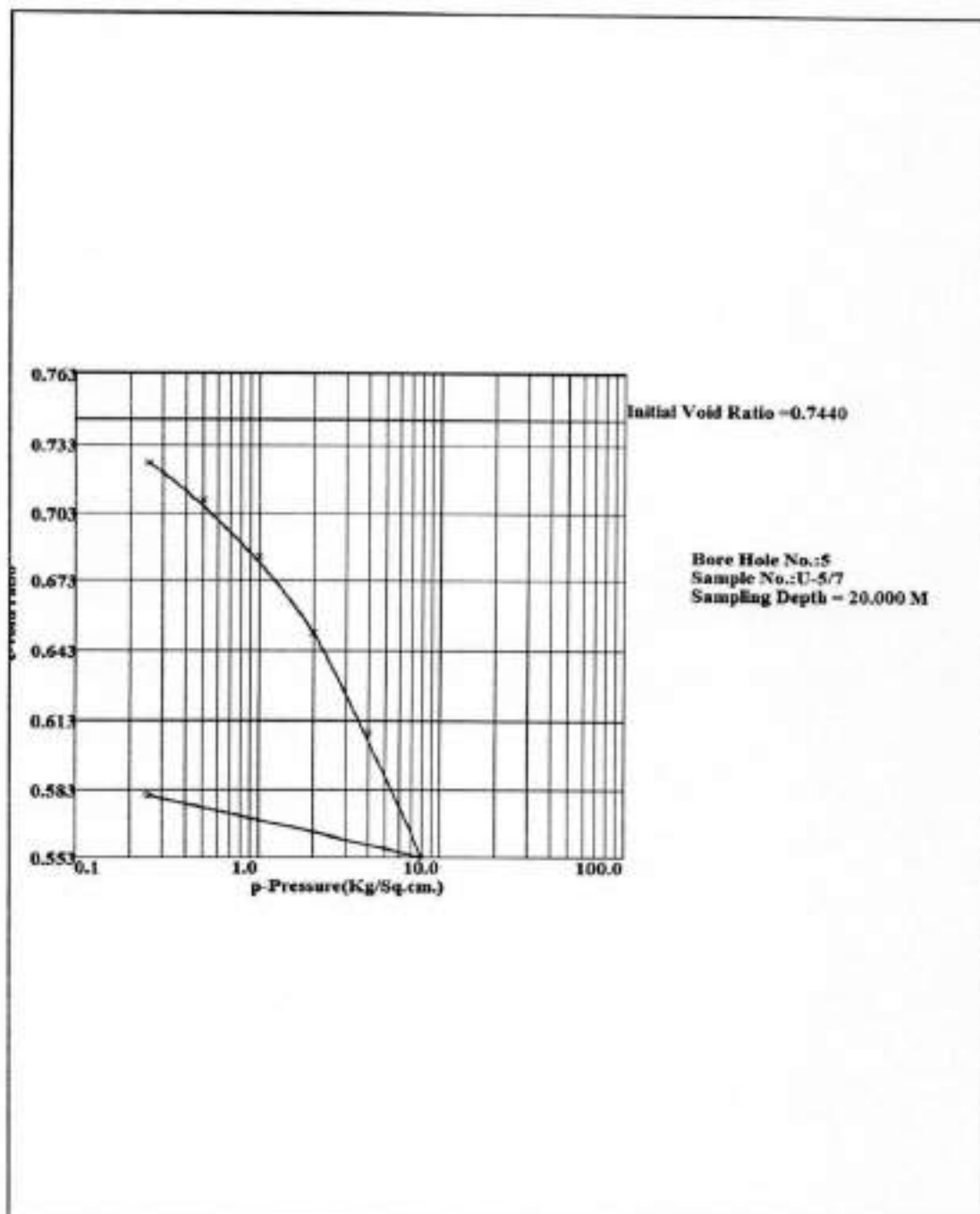
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:: 85 ::

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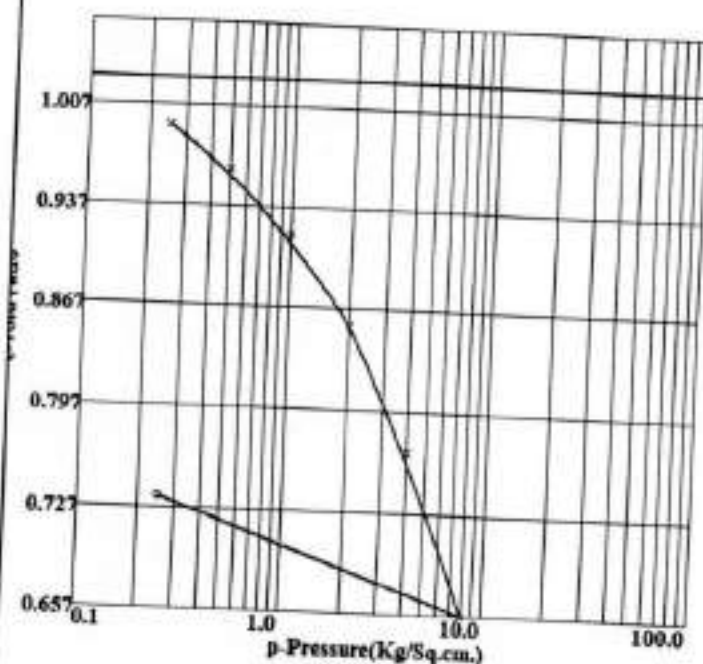
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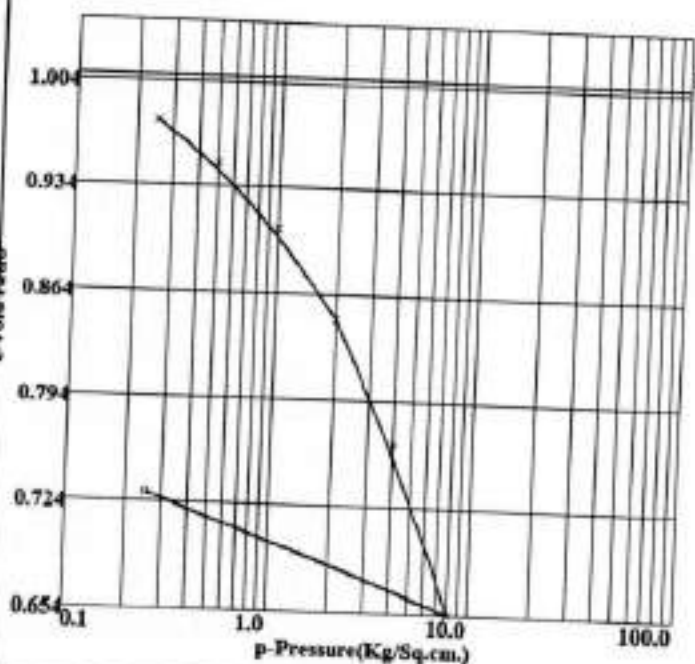
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:: 86 ::

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Bore Hole No.:6
Sample No.:U-6/1
Sampling Depth - 1.000 M



Bore Hole No.:6
Sample No.:U-6/2
Sampling Depth - 4.000 M

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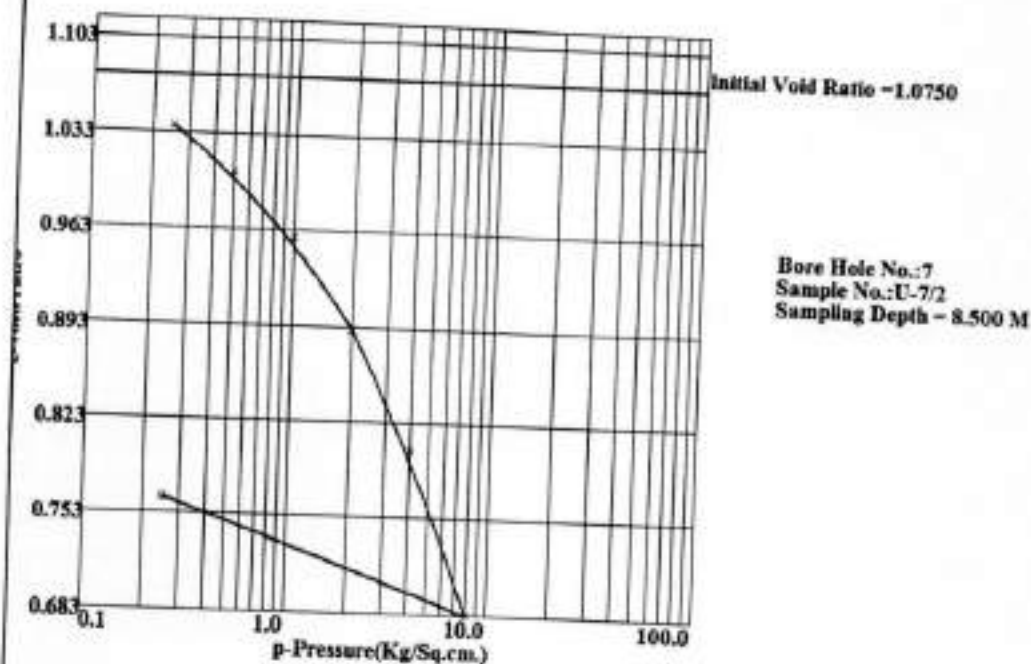
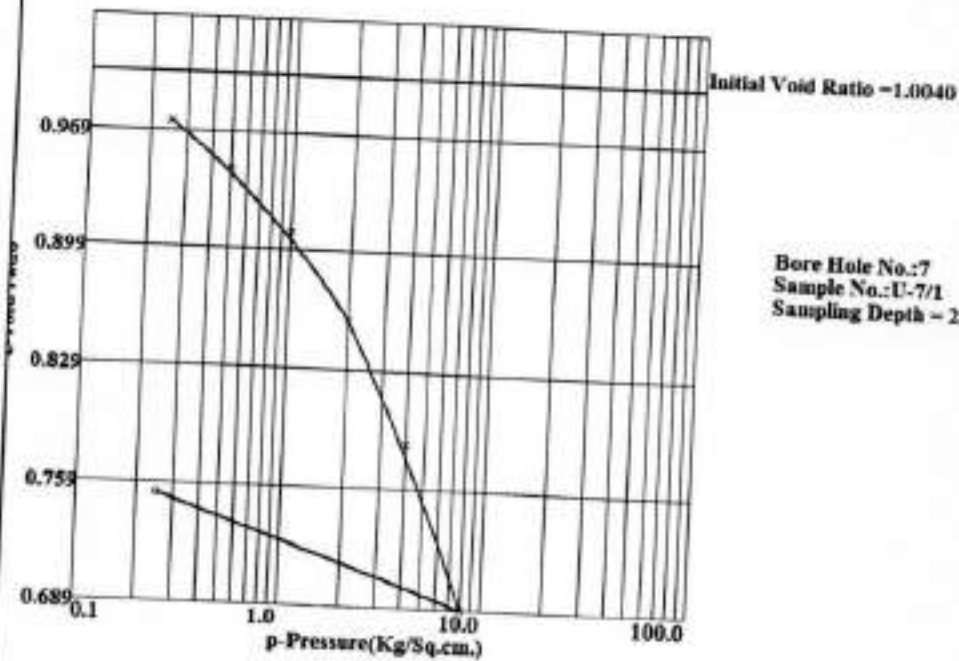


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:: 87 ::

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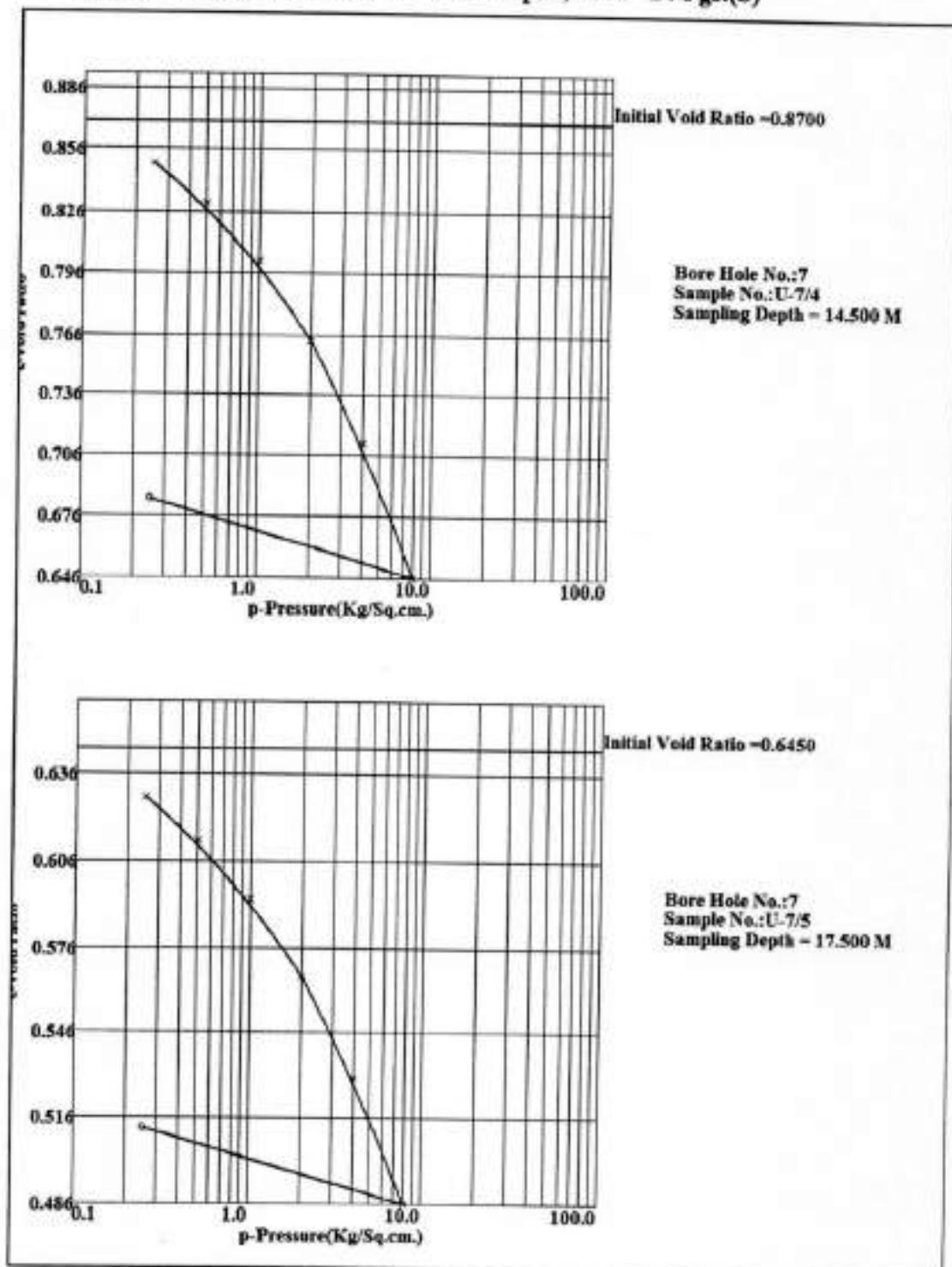
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:: 88 ::

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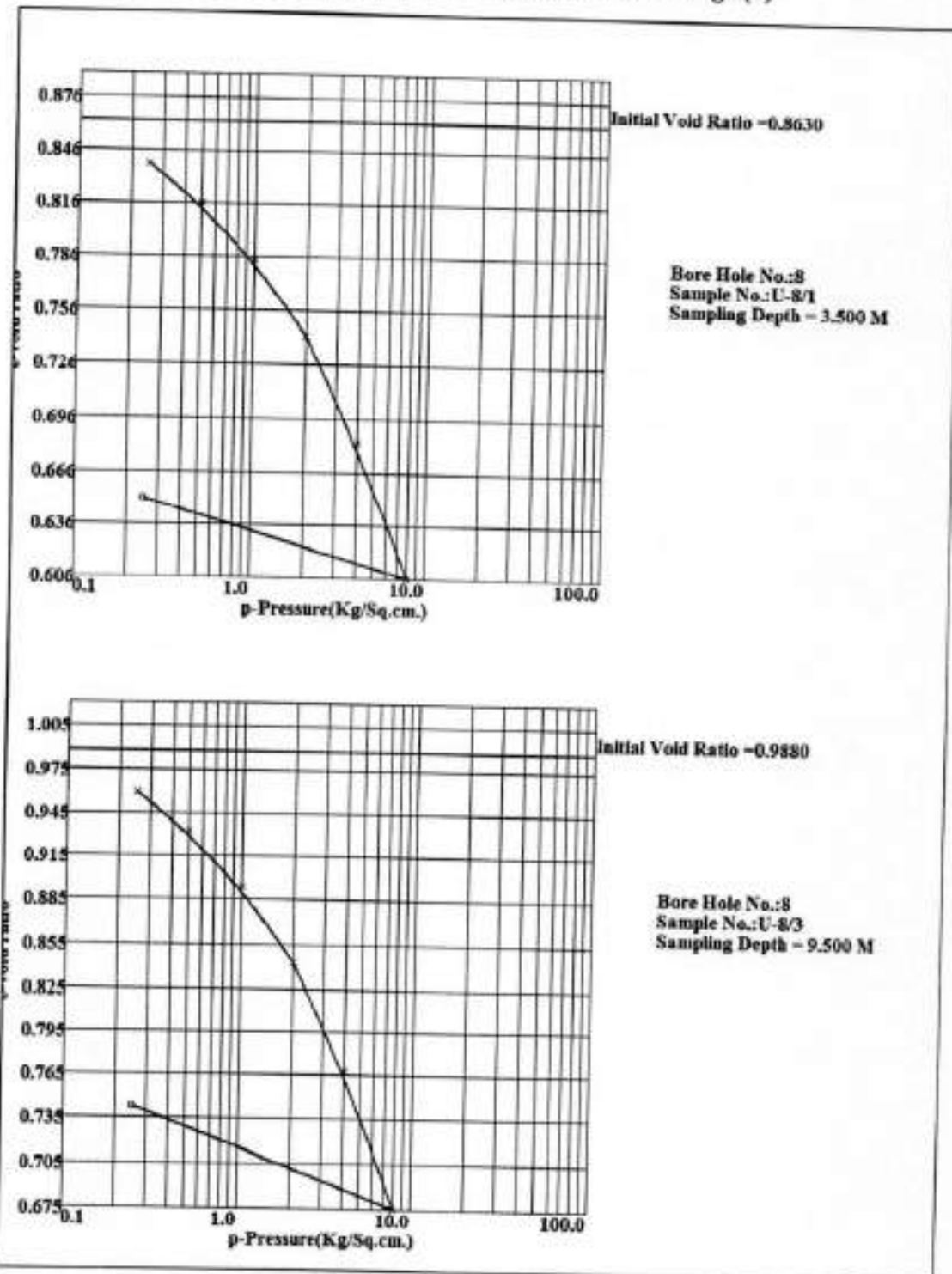


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:: 89 ::

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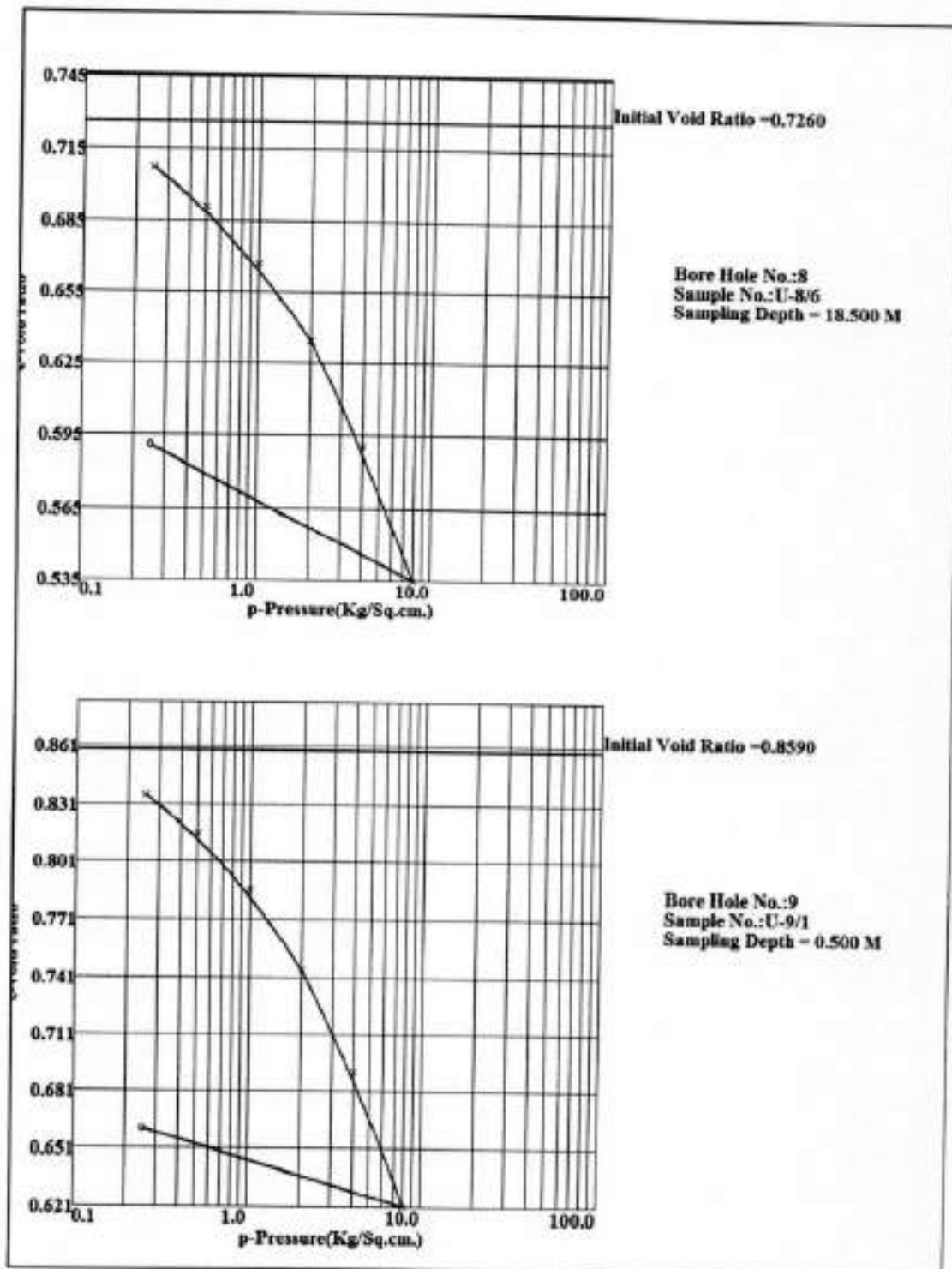
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:: 90 ::

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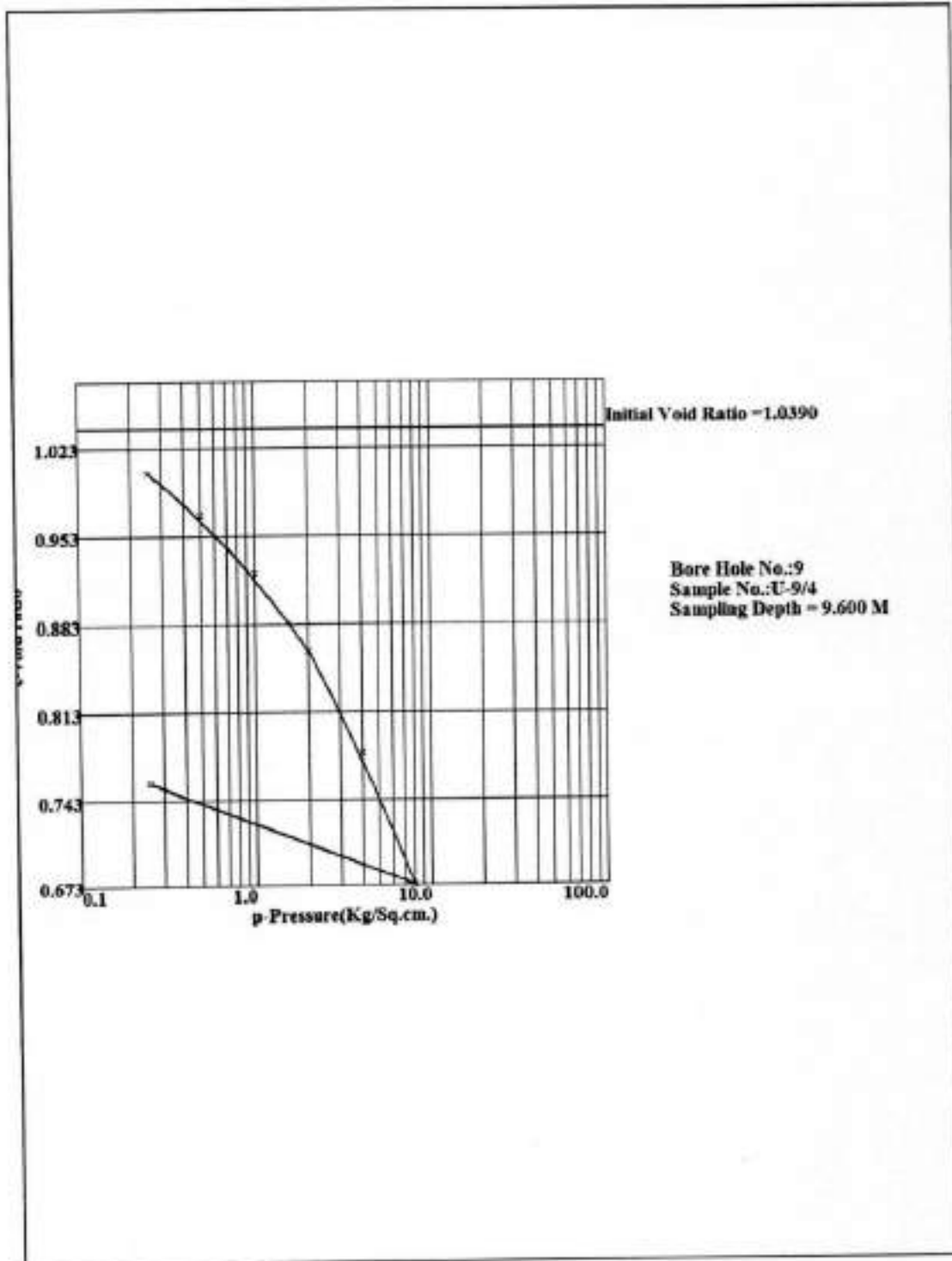
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:: 91 ::

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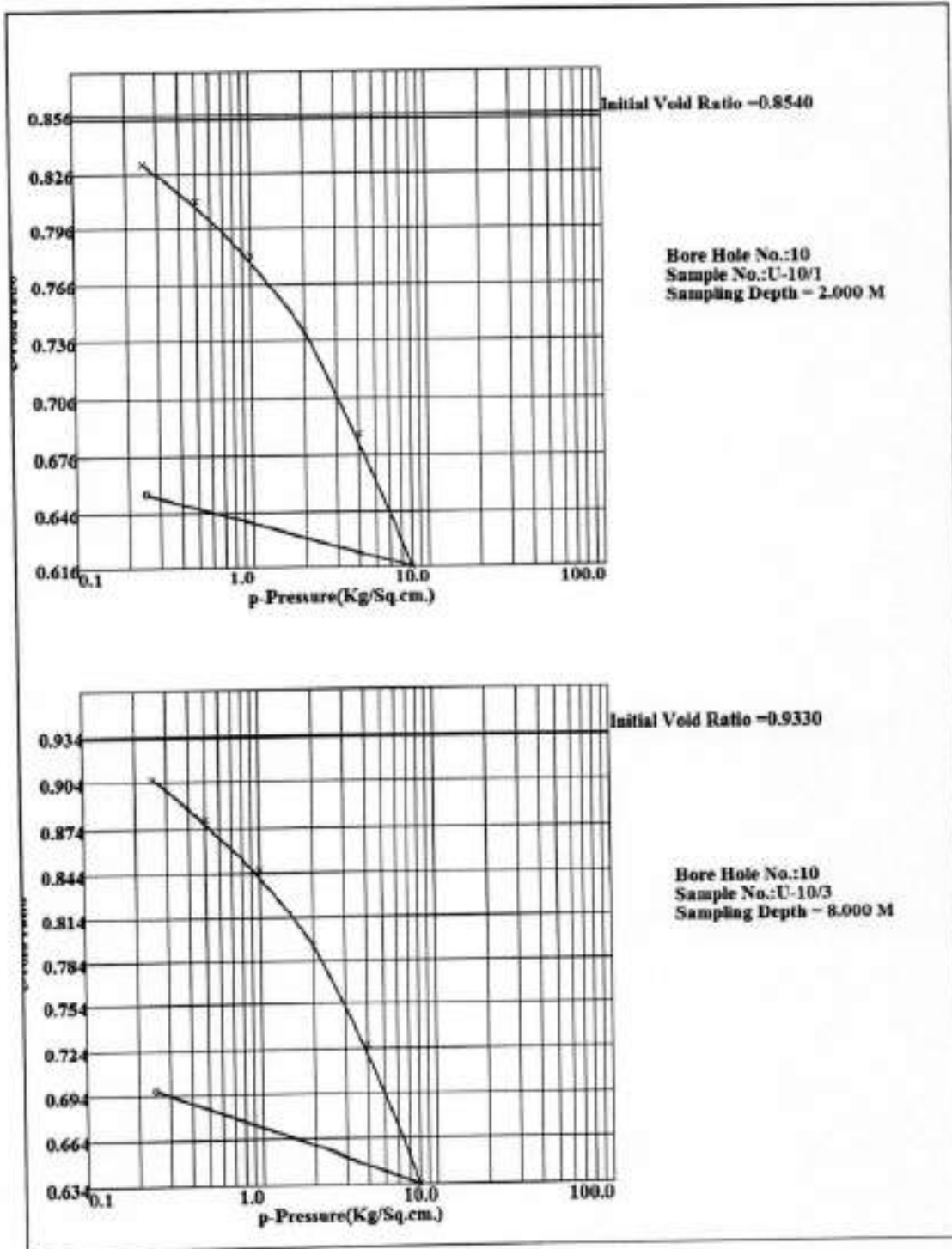
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:: 92 ::

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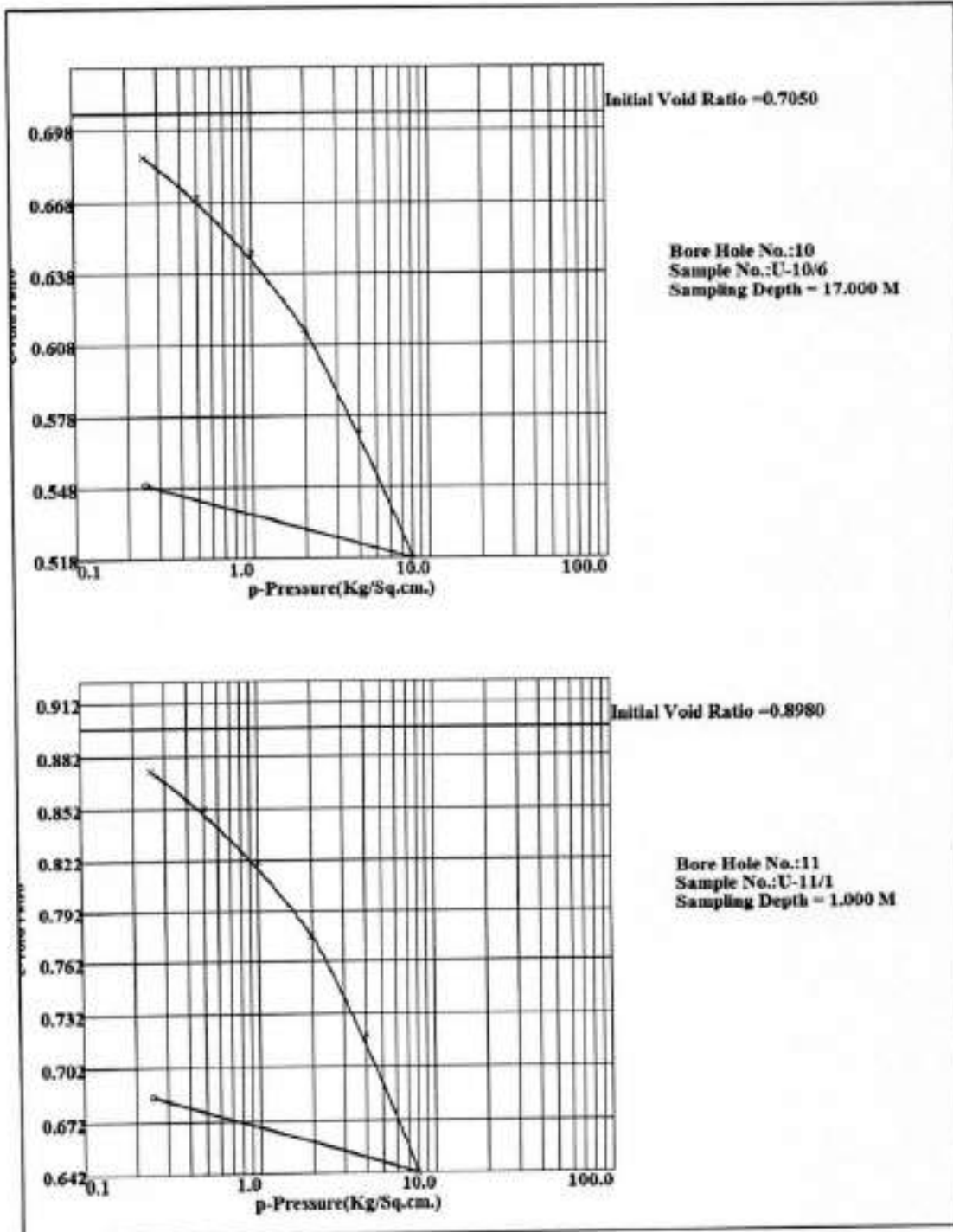
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:: 93 ::

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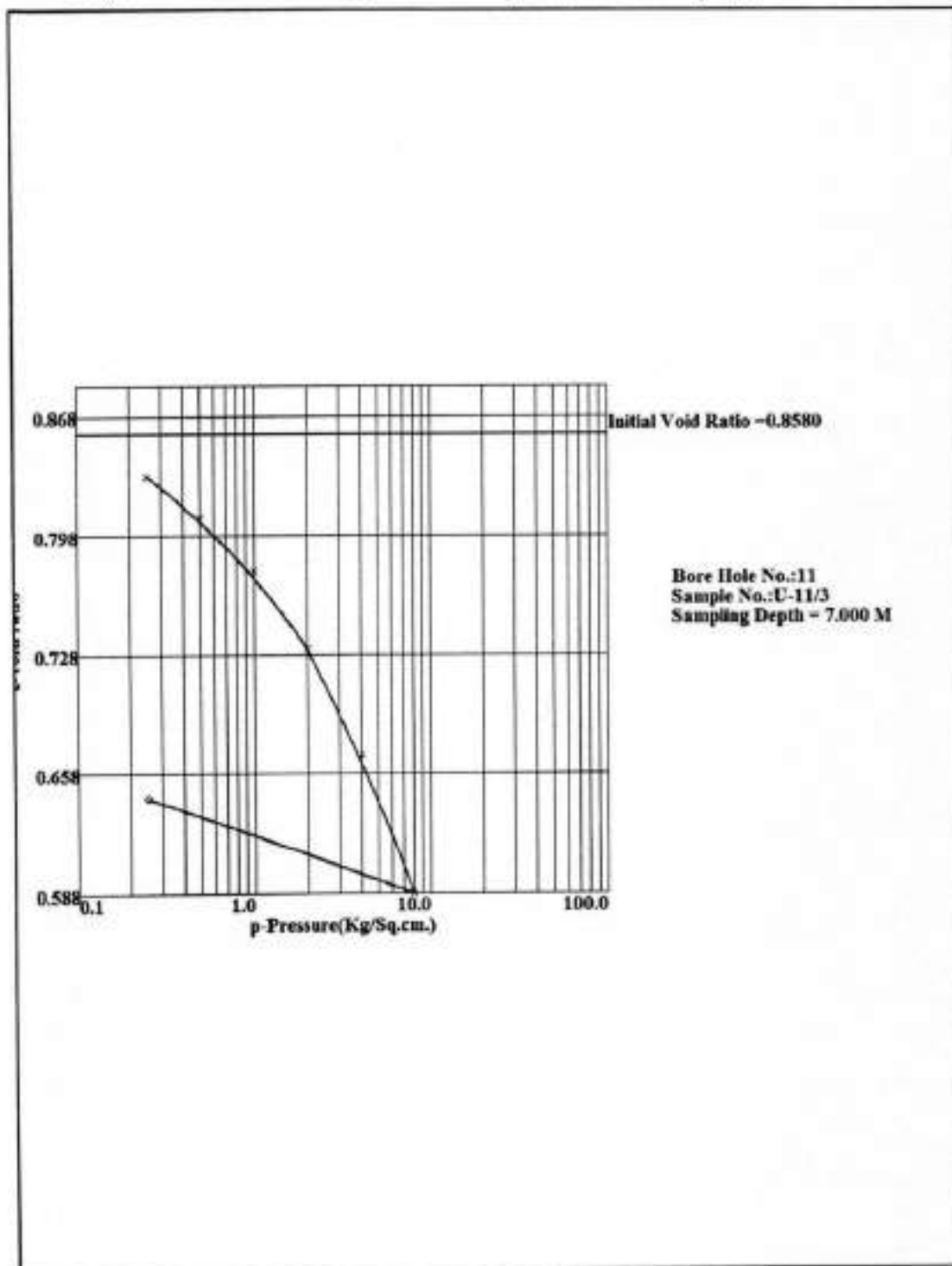
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:: 94 ::

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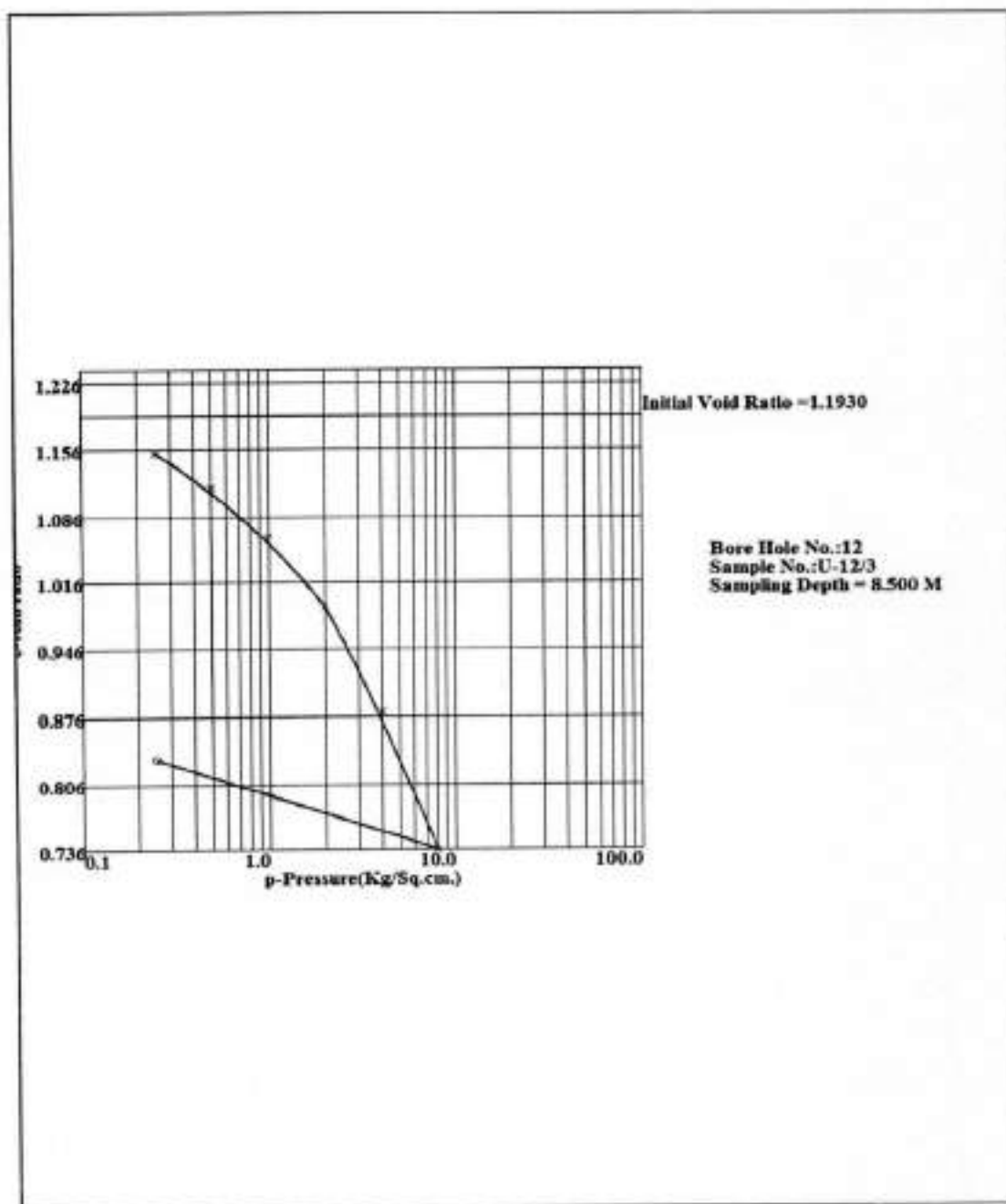
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:: 95 ::

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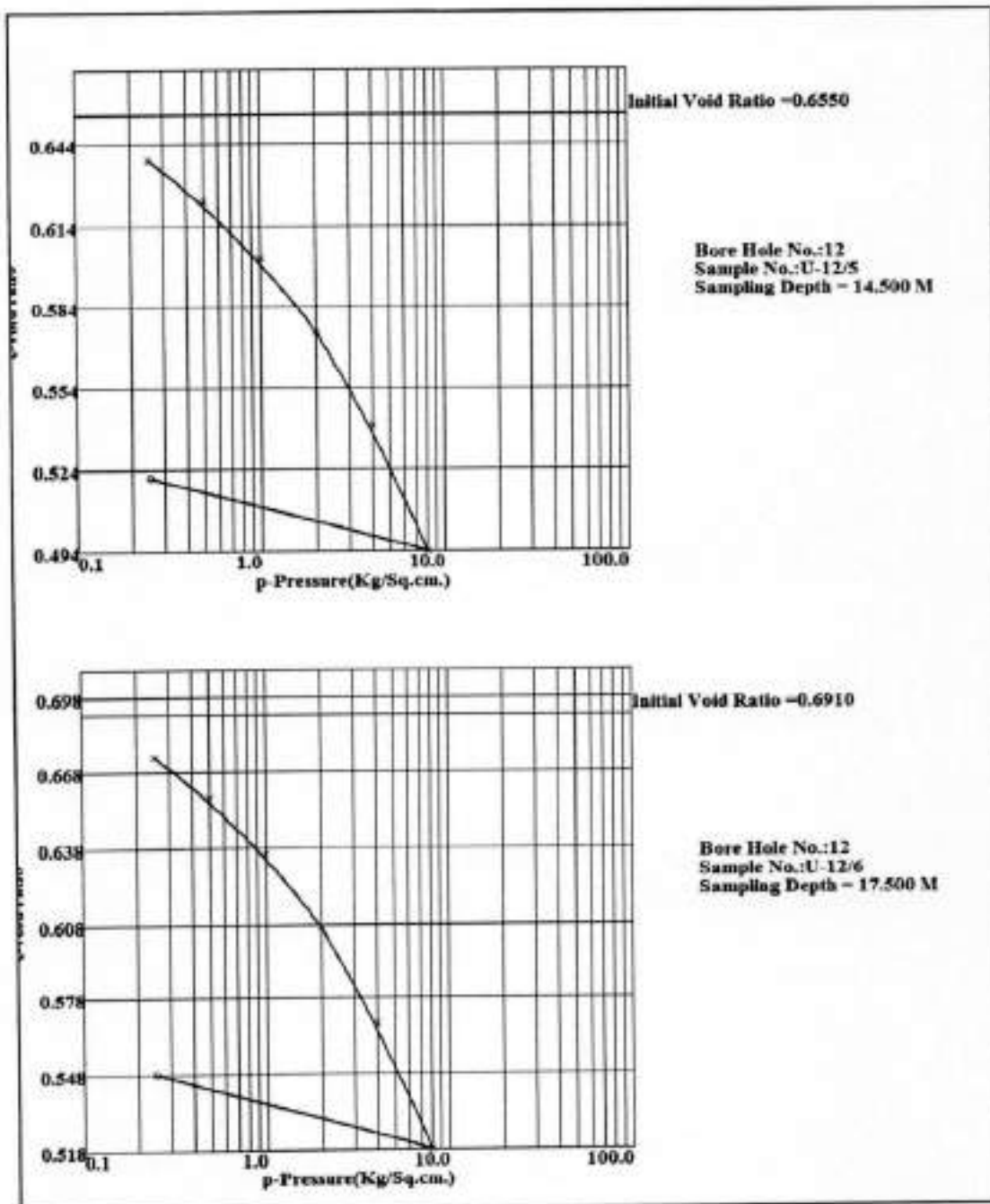
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:: 96 ::

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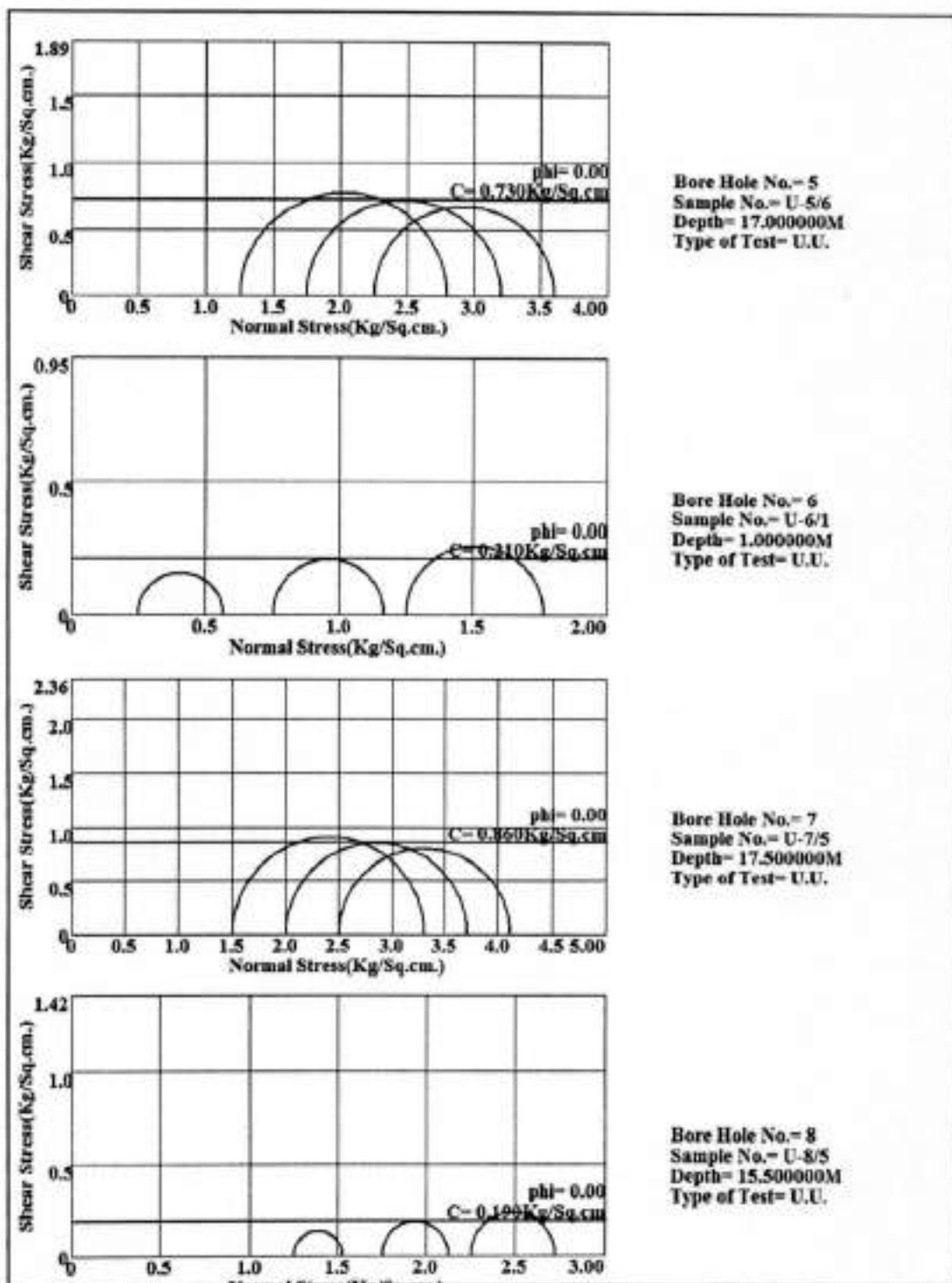
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:: 97 ::

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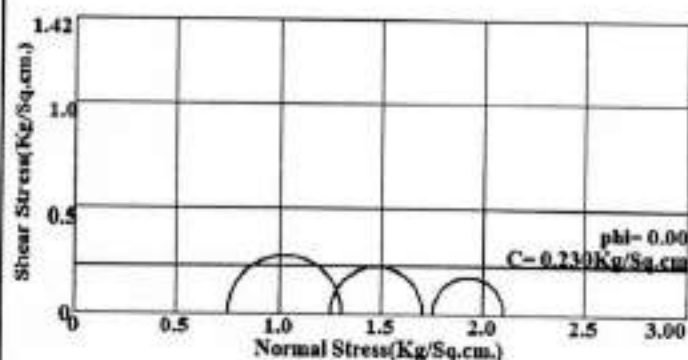
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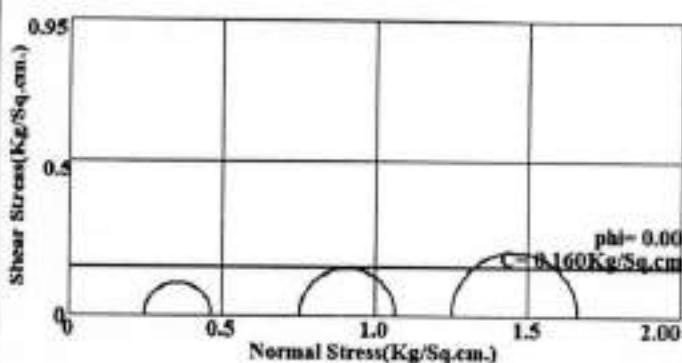
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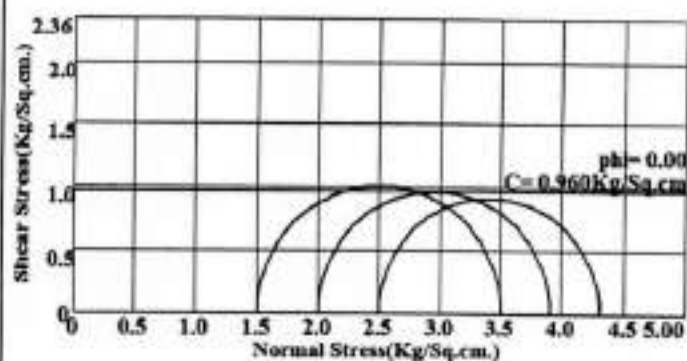
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Bore Hole No. - 10
Sample No. - U-10/3
Depth - 8.000000M
Type of Test - U.U.



Bore Hole No. - 11
Sample No. - U-11/2
Depth - 4.000000M
Type of Test - U.U.



Bore Hole No. - 12
Sample No. - U-12/5
Depth - 17.500000M
Type of Test - U.U.