## REPORT ON SUBSOIL INVESTIGATION AT SAVAR

NOVEMBER 1988

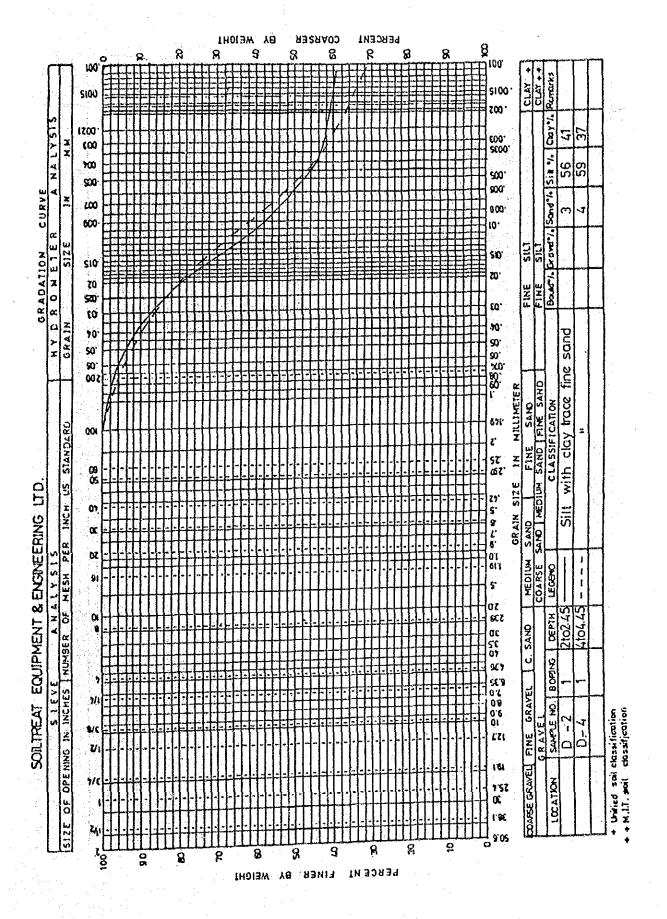


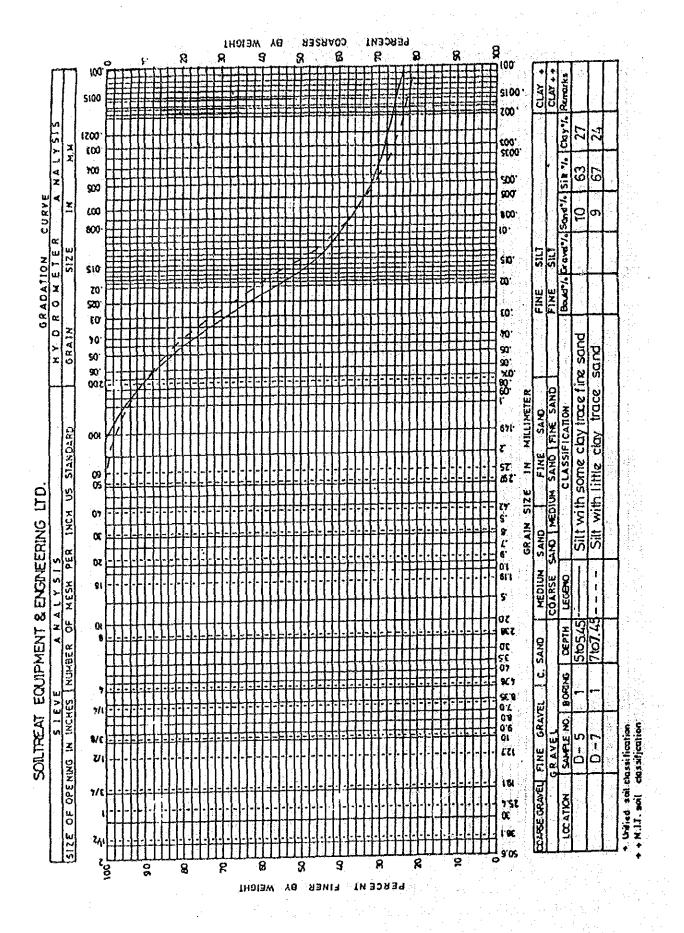
## SOILTREAT, EQUIPMENT & ENGINEERING LTD.

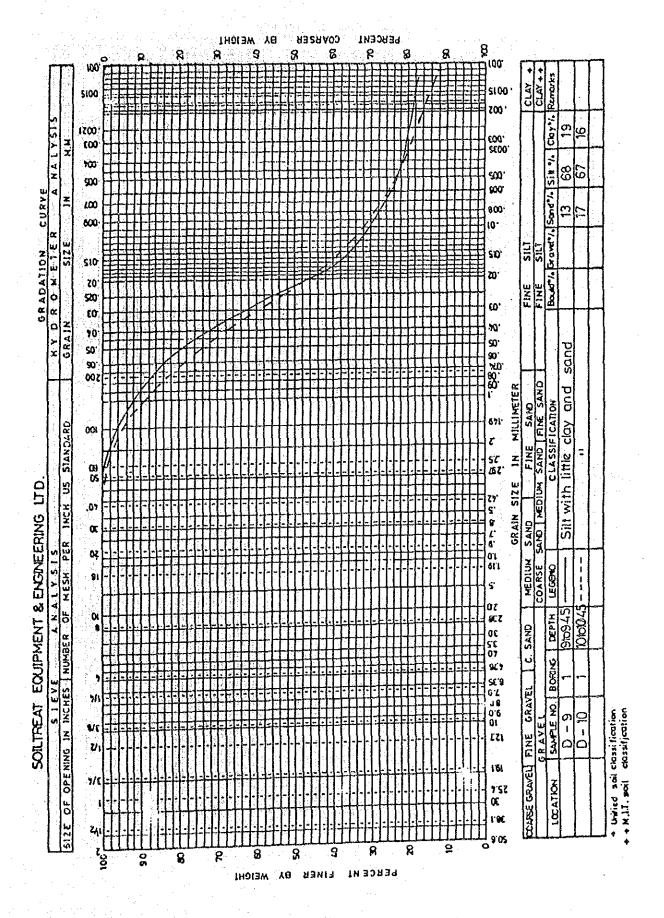
GEOTECHNICAL ENGINEERING . HYDRAULIC STRUCTURES . SUPER STRUCTURES

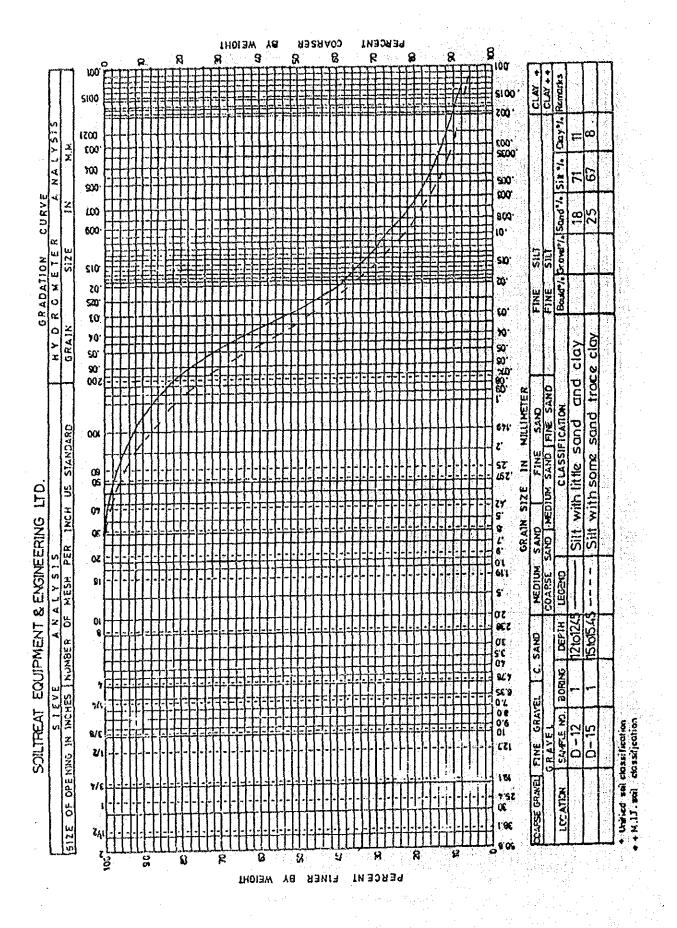
- H ELECTRIC SUPPLY BLDG. SITE PLAN OF BORING POINT SUBSOIL INVESTIGATION AT SAVAR (High power Transmilling station) INTERNAL ROAD ABANDONED . OFFICE BLD 6. CAR PARK

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Inci	linatio	T	rtical I		water	IEVE		11 00.	1 11	om G.L., 29-11-88	
reduced elevation	ospth genth	thickness	strata encou	ntered		stand	tes blov		:m	remarks (•w.r.,soil sample vane sheartes (bs/sqin.	1
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1_			·							E	
2	·		Reddish stiff c	lay with little		15				-1.45	
	2,45	2.45	silt and sand.			16				-2.45	
3										_3.45	
4											
5				* * *	F	20					
			•		-	Þ				_5.45	4
<u>6</u>										6,45	
7_										6 7	
8					-	<del>                                      </del>	2			7.45	j
		·	·							8.45	
9			Reddish very st	iff clay with	silt -		5			-945	
<u>10</u>			trace sand.							7/	
11_					<b> </b>	2	7			10.45	4
	11.45	9.00		·		2	7			11.45	4
<u>12</u>					_	$\prod$	32			_12.45	
<u>13.</u>					: ;						
14				***			34			13743	
15			Reddish very s with silt and s		clay -	╁╁╁	37			16.45	
<u>5</u>	15.45	4.00	WITH SHE CHOS	ound.			38			-15.45 W	
				ť.							
	Smis		disturbed sami	ole <b>s</b> a	unc	isturtx	d s	ample	••••	. 100	
chec	ked	4.12	date:-	30.11.88	sca	2:- 1	100			plan no, 32/8/1	





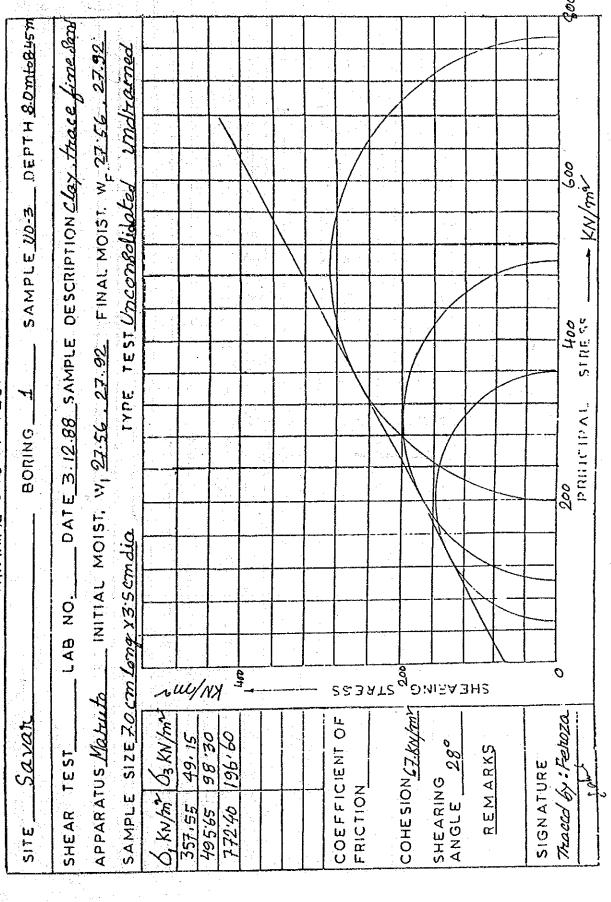




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DEVIATOR STRAIN PERCENT (*)	80  1. COHESION C. (KE/Om <sup>2</sup> ): 0:5\$ Eg/cm <sup>2</sup> 2. ANGLE OF INTERNAL  FRICTION \$ (degree): 28'07°
ANTICLES STATES TO THE STATES OF THE STATES	

HIVER RESEARCH INSTITUTE, BWUB.



SOILTREAT, EQUIPMENT & ENGG LTD. SOIL MECHANICS MATERIAL TESTING LEGRATORY

OHAKA

SUMMARY OF LABORATORY TEST RESULTS

Bore hole No.						,					
Sample No.		D-2	D-4	D-5	D-7	6-0	D-10	D-12	D-15		
		2.0	0.4	5.0	7.0	9.0	10.0	12.0	15.0		
E E E		to 2.45	to 4.45	გ.წ. წე	7.65 7.65	ბ. გე	10.65 10.65	to 57 Ct	5 F		
Moissur com	Moisture content (Not.rel)%.	23.93			27.78		28.63				
Specific gravity	ity		2.701	2.693		2.670	2.677	2.661	2.673		
Atterper 9	Coquid Smit, L'W %		77	35	53						
timits	Plastic limit, P' " ".		28.35	24.28	25.83						
Ochsey	να (gm/cm3)	1.74			1.74	1.77					
	Dry (gm/cm3)	1. 40			1.38	1.37					
	Gravel (%)										
Grain size	Sand (7/1)	3	7	5	6	13	17	85	25		
analy set	Sit (%)	56	59	63	67	68	63	71	67		
	Clay (%)	4.1	37	27	24	19	16	11	8		
Triaxial	c (kg/cm2)										
shear test.	φ (Deg)										
	Strain or scalure 1972)										
Uncontined	Stress under (ibs/sq.nch)									e de la company de la comp	
1093	Stress (cmould.(Ibs/sq.mch)										
	Sensativity	y est a second of									****

SOILTREAT, EQUIPMENT & ENGG LTD.
SOIL VECKANICS MATERIAL TESTING LANDARY
DHAKA

SUMMARY OF LABORATORY TEST RESULTS

							. :	
Bore hale No.								
Sample No.		UD-1	0D-2	up-3				
Oepth in m		3.0 3.45	6,0 0,3 0,45	8.0 0.0 8.45		,		
Waisture com	Waisture corrent/Yaturat//.							
Specific Stavity	ıfy							
Ancroer 9	Liquid Lims, L'W %							
Limits	Plastic limit, PW "/o							
0.000	Net (gm/cm3)							
	Օry (գտ/շտ <sup>3</sup> )							
	Gravet (f.s.)							
Grain size	Sand (7.)							
anal y sis	Sit (7.1)							
	Clay (*/•)							
Triaxial	c (kg/cm²)	0.79	0.56	0.68				
shear test	\$ 10eg ).	26.41	28.07	28.0	,			
	Strain at failure ("'.)							-
Unconfined	Stress undistills sing nehl							
ress	Stress, remould (105/5quich)							
	Sensitivity							
- Committee of the Comm								

## NO. 11 Documents Obtained

- (1) "1987 Statistical Yearbook of Bangladesh"
  Bangladesh Bureau of Statistics, Statistics Division,
  Ministry of Planning, July 1988
- (2) "PROJECT PROFORMA for REPLACEMENT of 100kW.

  MW. TRANSMITTER RADIO BANGLADESH (NBA), SAVAR,

  DHAKA by 500kW (2×250) MW TRANSMITTER
- (3) NBA Budget Document

  Budget Expenditures at Savar Transmitting Station (HPT-1)
- (4) Organization Chart, NBA
- (5) Radio Programme Table (Bengali)
- (6) "REPORT of the Martial Law Committee on Organizational Set Up"

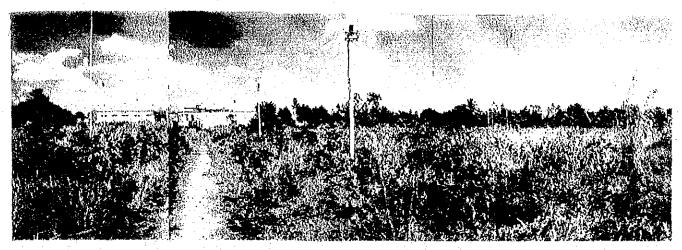
  Ministry of Information
- (7) "ELECTRICITY TARIFF, July 1988"

  Bangladesh Power Development Board
- (8) PROJECT FOR THE FOURTH FIVE YEAR PLAN (1990 - 1995)
- (9) Bangladesh Calling (October December, 1988)

(10)	Field Strength Measurement DATA
	(1983 - 1986)
(11)	Medium Wave Coverage of Radio Bangladesh
(12)	"Instruction Manual for 500ft Mast"
(13)	Existing Building Lay - out Plan
(14)	"Monthly STATISTICAL BULLETIN of Bangladesh
	July, 1988"
	Bangladesh Bureau of Statistics
(15)	Letter from NBA to IFRB
(16)	"Meteorological Data"
	Meteorological Department
(17)	"MEET BANGLADESH"  Department of Films and Publications, Ministry of Information
	Department of Prints and Publications, Assessment
(18)	SMALL AREA ATLAS OF BANGLADESH. Sep. 1985
(19)	Landness in Bangladesh
(20)	State and Development
(21)	ADMINISTRATIVE UNIT MAP

- (22) DHAKA GUIDE MAP
- (23) Bangladesh Map (1/1000000)

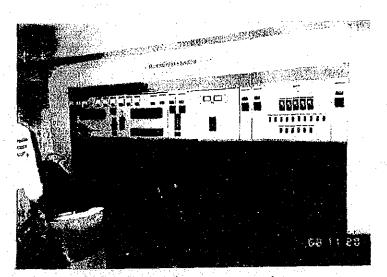
## NO.12Photographs of Savar Transmitting Station



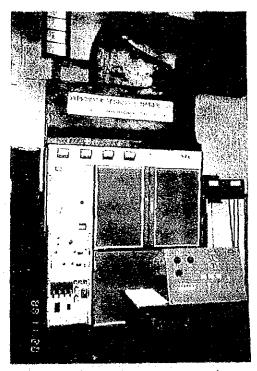
Premises of Savar Transmitting Station



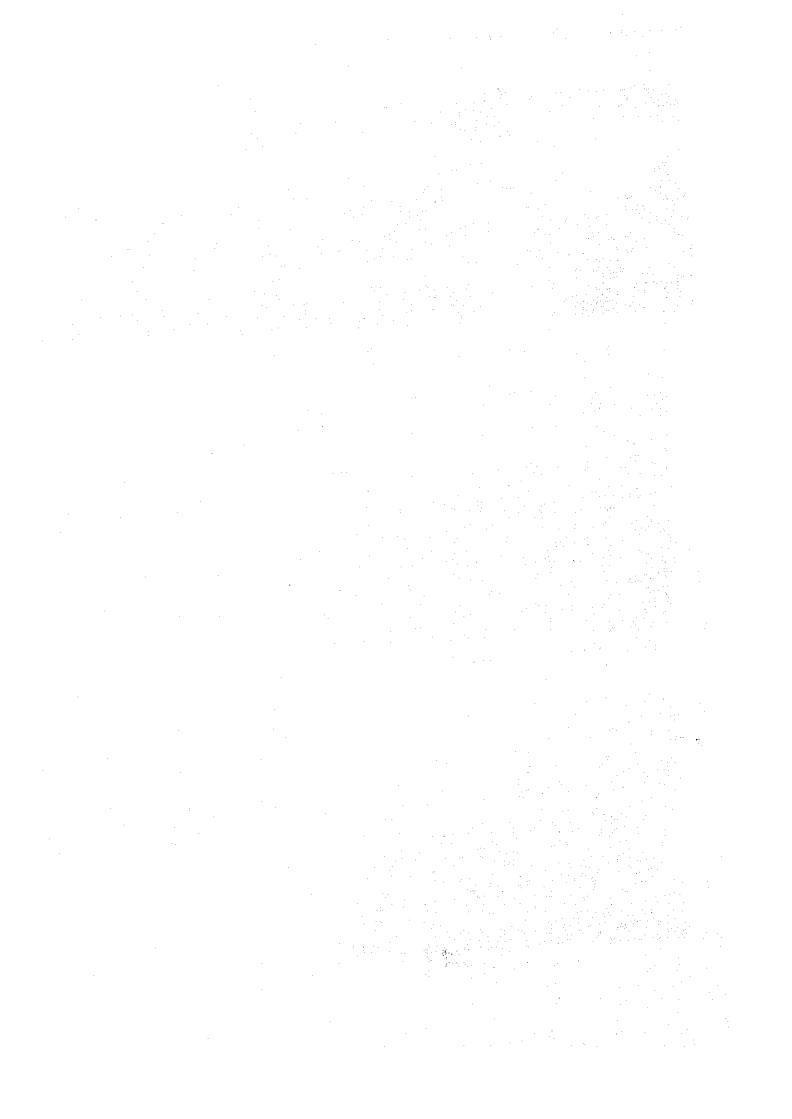
Medium Wave 100kW Transmitter (819kHz)

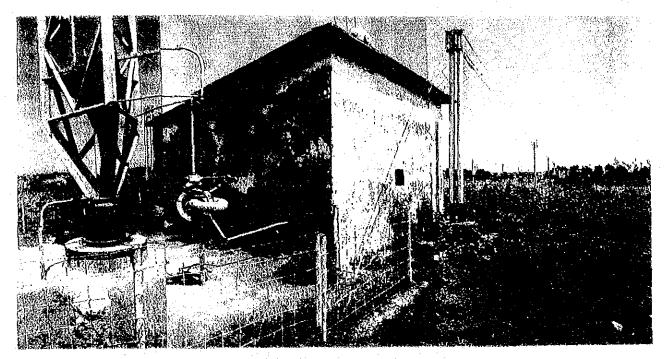


Short Wave 100kW Transmitter

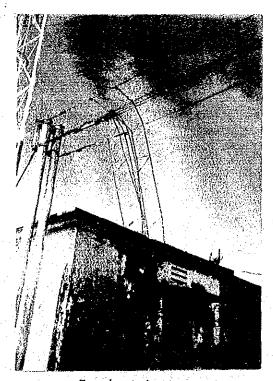


Medium Wave 10kW Transmitter (1170kHz)

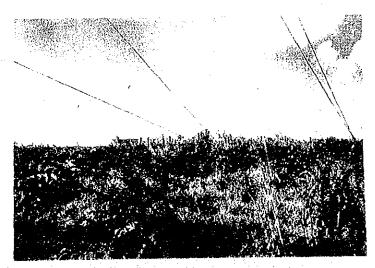




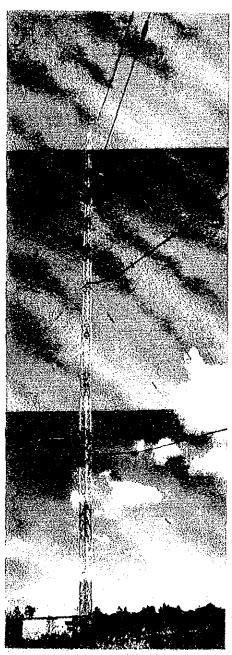
Antenna Tuning House



Feeder Inlet Port

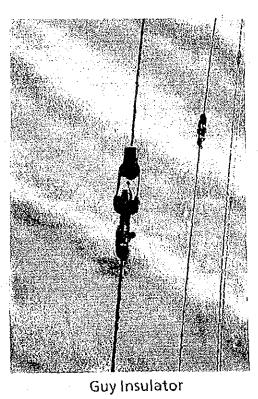


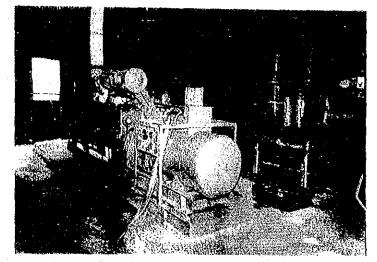
Short Wave Antenna



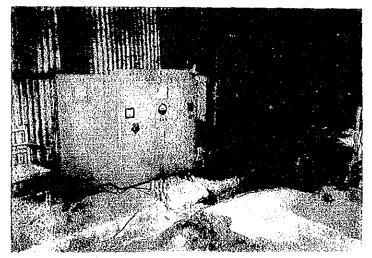
Transmitting Antenna Tower



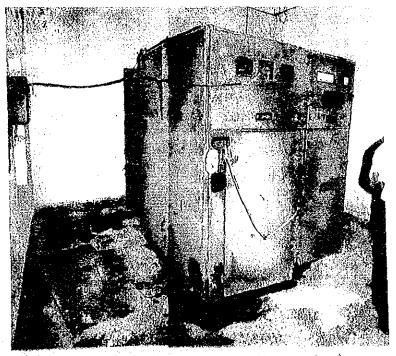




Engine Generator



Engine Generator Control Board



Receiving Power Switch Board

