FOR EDUCATIONAL USE

	TYPES OF PIE FOUNDATION					
D	LOAD BEARING PILE :-					
-	IT BEAR THE LOAD COMING FROM THE STRUCTURE					
	THE ARE DIVIDED INTO:-					
,	1) BEARING PILES					
	2) FRICTIO	IN PILES.		. 1		
2					,	
2)	NON LOADING BEARING DILEG:-					
	THE PILES ARE USED TO PUNCTION AS SEPARATIVE					
	MEMBERS BELOW GROUND LEVEL AND THEY					
		VERALLY NO	I DESIGN	ED TO TA	KE VERTICAL	
	LOAP					
	1.			1	<u> </u>	
	WEAK	1	水	1	GL	
	SOIL					
		and the same of th	1	1		
				11		
	SOU ROLK	7	F	RICTION		
	END BEARING PRICTION PILE.				Ε.	
	PILE				3	
		•			- 4-	
*	CLASSIFICATION OF PILES.					
			, i	1	<u> </u>	
<u> </u>	BASEP ON FUNCTIONS					
\rightarrow	BASED ON MIXTERIAL					
7	BASED ON MÆTHOD OF INSTALLATION					
			1 1			
ndaram			FOR EDUCATIO	DNAL USE		

*	ADVANTAGES					
_ >	THEY CAN BE PRECAST TO SPECIFICATIONS					
\rightarrow	THEY CAN BE PREMADE WHICH REDUCES THE					
	AMOUNT OF THRE AND LABOURS AT THE SITE.					
\rightarrow	THEY CAN VERY EFFICIENT AT PLACES WITH A					
	FOUNDATION SIZE JIMIT					
→	THEY ARE A GREAT OPTION WHILE WORKING OVER					
	WATER FOR EG- BRIBGES., DOCKS, PORTS ETC.					
\rightarrow	THEY ARE ESSENTIAL IN THE CONSTRUCTION OF					
	HIGH RISE BUILDING.					
	DISADVANTAGES					
\rightarrow	THE WHOLE PROCESS REQUIRES HEAVY EQUIPMENTS					
	AND SKILLED LABOURS. ADEQUATE PRE-PLANNING IS REQUIRED AND THERE					
	IS NO MARGIN FOR ERROR.					
	DRIVING THE PILES GENERATE VIBRATION THAT CAN					
	APPACT THE INTEGRITY OF THE FOUNDATION OF					
	NEIGHBOVERING STRUCTURES					
	IT IS AN EXPERSIVE AS COMPARED TO A REGULAR					
	FOUNDATION.					
	T GOIVE / THE .					
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		CASE STUDY						
	*	CUSTOMS OFFICE TOWER AT KANDLA PORT BHUT KUTCH						
Ž.		TO T						
	\rightarrow	6 Storeyed Customs office tower to coart						
	\rightarrow	32 Short Coust in place Concrete pile						
	→	Hus 18 no long						
	\Rightarrow	The part of tandla is I man an Natural ground						
		Campresing secent unconscilidate of depasits of						
		interbedded clays, sills and sands. The watertable is about 1-2-3.0m below						
		the graund						
		16.8m						
		GL						
	•	3·1Sm						
		3:15m						
		7.7						
		3 ISM . . .						
		11.65						
		109 1325 6 tm 0.9m						
		Calumn and pile plan at GL . Section of pile						
	\rightarrow	Calumn = 0.45 x 0.45 m foundation.						
	->	Calumn = 0.25 x 0.25 m						
	->	Cancrete pile dia =04m						
	->	flort foundation = 11.48m ×119mx05m						
	\rightarrow	No. of Calumn = 12						
	-	NO of Rults = 92						
	->	length at pile = 1800						
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