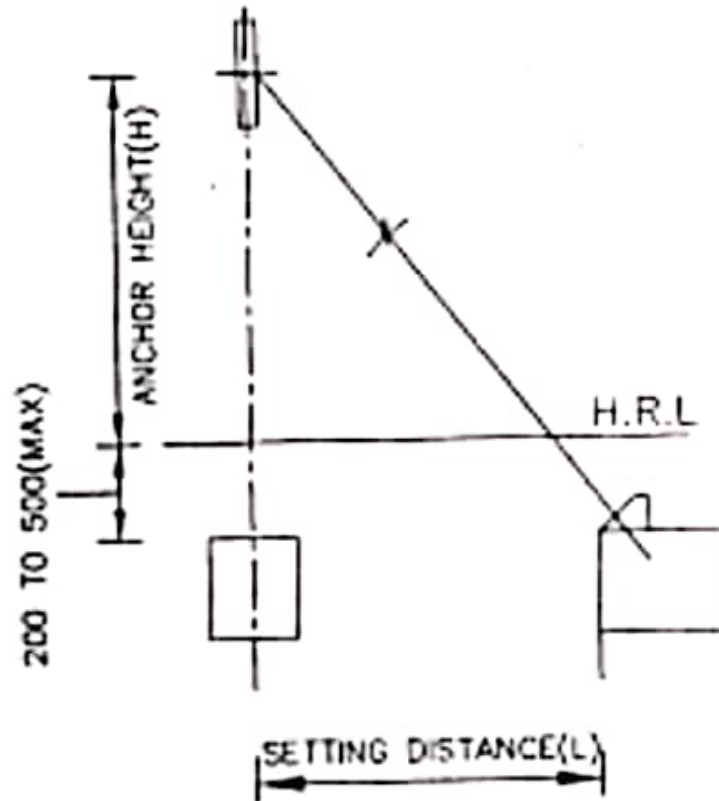


Setting Distance for Anchor Block

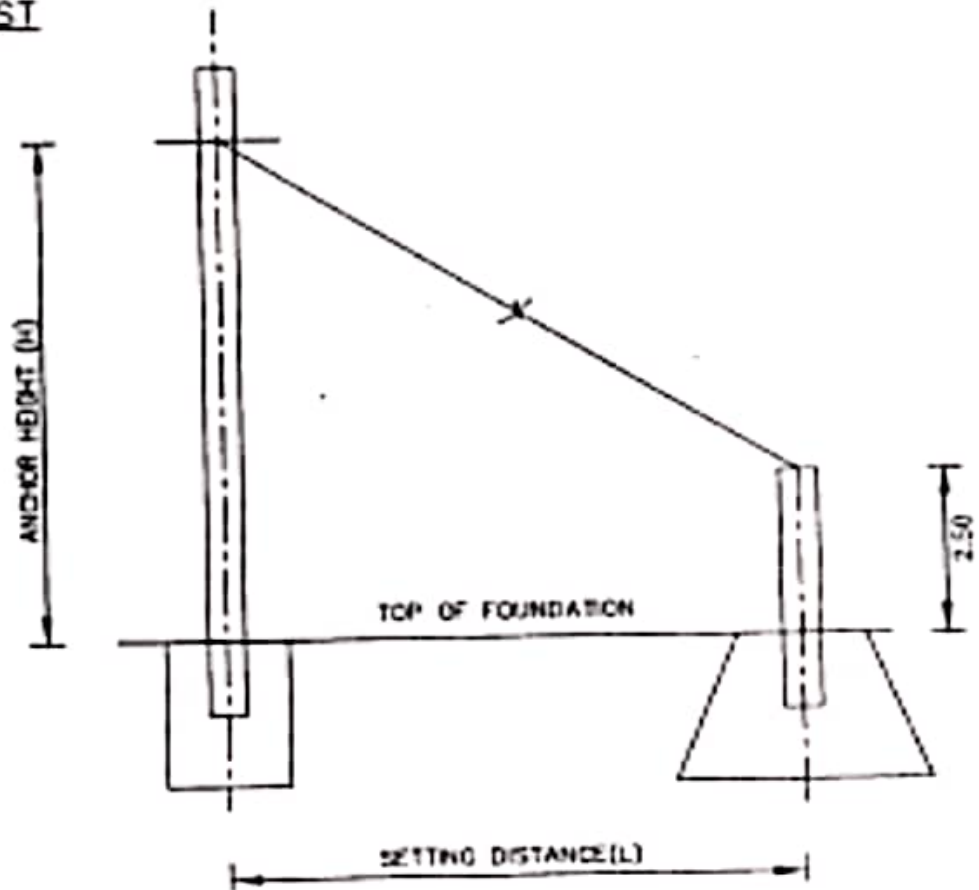
NORMAL SOIL



Sl. No.	Height of Guy rod fitting from top of Anchor block (H+S) in Metre	Anchor Block setting distance 'L' (Mtrs)	
		Mast width up to 300 mm	Mast width above 300 mm
1	7.56 to 7.30	7.35	7.50
2	7.30 to 7.00	7.65	7.80
3	7.00 to 6.70	7.90	8.05
4	6.70 to 6.40	8.15	8.30

Setting Distance for Anchor Block

DWARF MAST



Sl. No.	Height of Anchorage from Foundation level to Guy rod attachment on Dwarf mast (M) 'H'	Anchor Block setting distance 'L' (Mtrs)		
		8" x 6" RSJ or BFB	Fabricated Mast or TTC	Portals
1	5.75 to 6.25	4.80	4.90	5.05
2	6.30 to 6.80	4.40	4.50	4.60
3	6.85 to 7.35	3.90	4.00	4.05

Setting of Mast on Curved Tracks

Outside Curves:

$R \geq 875$ m -2.50 m

$R < 875$ m -2.65 m

Inside Curves:

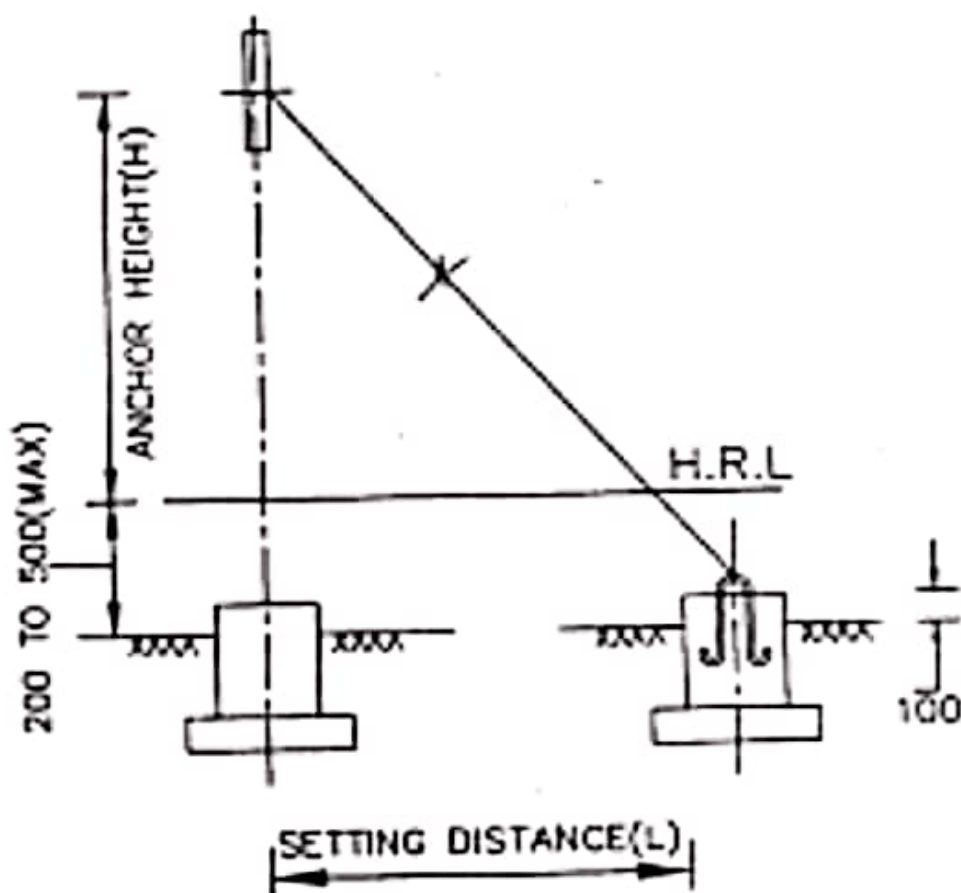
$R \geq 3500$ m -2.90 m

$3500 \geq R > 2350$ m -3.05 m

$2350 \geq R > 1150$ m -3.25 m

$R < 1150$ m -3.30 m

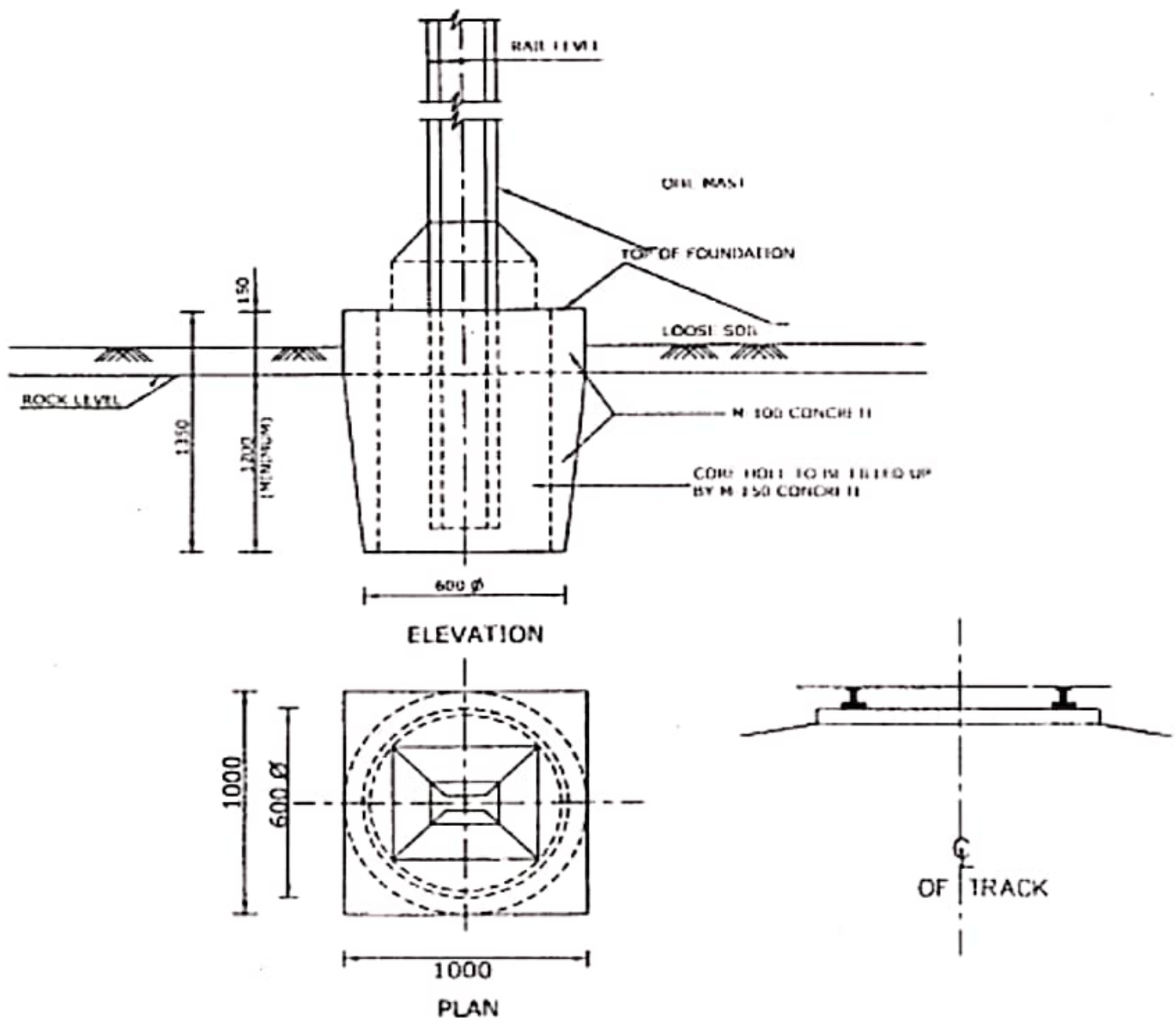
BLACK COTTON SOIL



Sl. No.	Height of Guy rod fitting from top of Anchor block (H+S) in Metre	Anchor Block setting distance 'L' (Mtrs)			
		Mast width up to 300 mm		Mast width above 300 mm	
		BCA-1	BCA-2/3	BCA-1	BCA-2/3
1	6.35 to 6.75	7.60	7.35	7.75	7.50
2	6.80 to 7.15	7.20	7.00	7.40	7.15
3	7.20 to 7.56	6.90	6.60	6.60	6.75

Details of OHE Foundation in Hard Rock

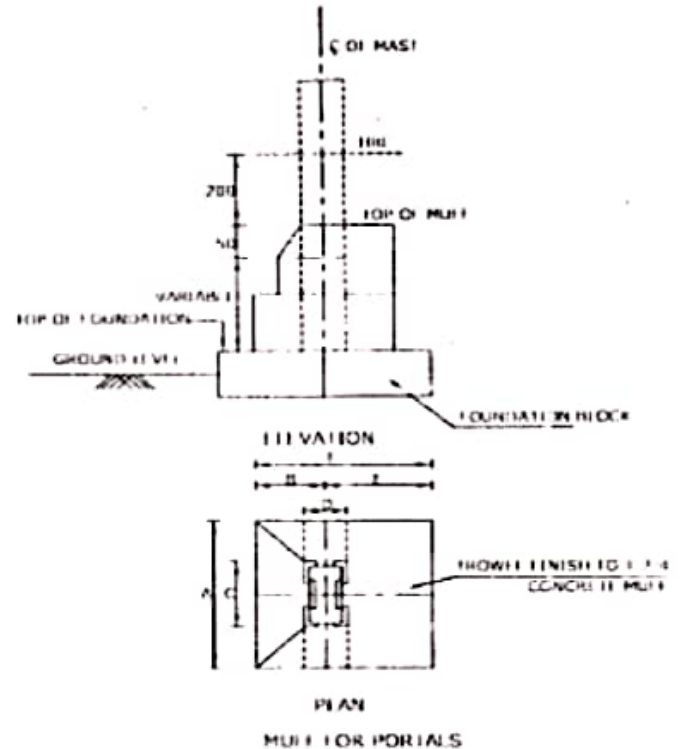
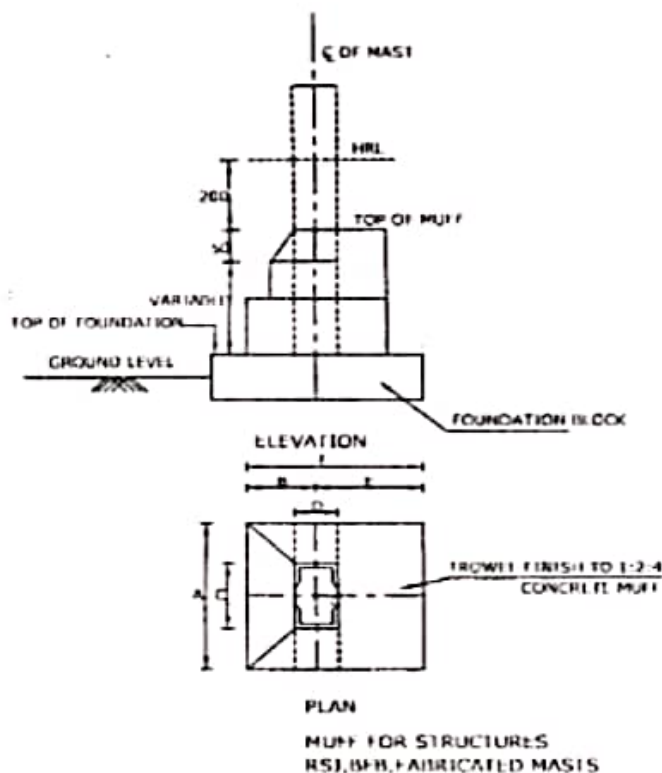
(Bearing Capacity 90,000 Kg/m²)



Notes:-

1. All Dimensions are in 'mm' unless stated other wise.
2. For Excavation of Foundation approximate size given
3. Plain Concrete (with grade M-150/100) shall conform IS 456-1978
4. The Foundation is suitable for 10,000 Kgm overturning bending moment at the top of the Foundation
5. Minimum depth of excavation inside hard rock should be 1.20 m
6. Volume of Concrete to be Calculated from actual concreting for each location.

Details of Muff for Structure with Balance Weight Anchor

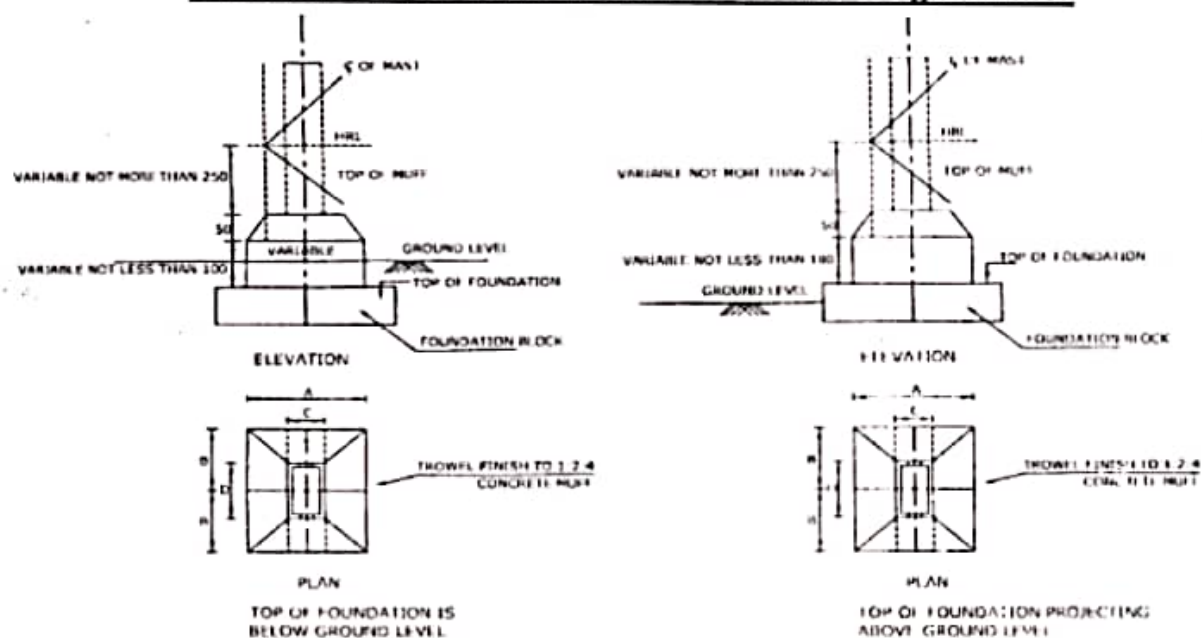


Mast Ref.	Dimensions in 'mm'						Payable Vol. of Con. Muff with BWA termination in cu.m.
	A	B	C	D	D	D	
6'x6' BFB	350	175	150	150	465	640	0.080
8'x6' RSJ	400	175	200	150	465	640	0.080
K/B-150	500	175	300	150	535	710	0.080
K/B-175	500	187.5	300	175	547.5	735	0.080
K/B-200	500	200	300	200	560	760	0.080
K/B-225	500	212.5	300	225	572.5	785	0.080
K/B-250	500	225	300	250	585	810	0.080
'G' Portal	450	290	250	380	650	940	0.080
'N' Portal	650	325	450	450	685	1010	0.080
'O' Portal	750	375	550	550	735	1110	0.080
R' Portal	800	400	600	600	760	1160	0.080
TTC	550	212.5	300	225	572.5	785	0.080
'BFB' Portal	350	250	150	305	610	860	0.080
BFB 200x200 9.40 Kg/m	400	200	200	200	465	665	0.080

Notes:-

1. All Dimensions are in 'mm' unless stated other wise.
2. 1:2:4 Concrete Mixture to be used for all Muffs.
3. To Prevent the accumulation of water at the bottom of the Structures the muff shown in this

Details of Muff for Structure without Balance Weight Anchor



Mast Ref.	Dimensions in 'mm'				Payable Vol. of Con. with normal Muff in cu.m.
	A	B	C	D	
6'x6' BFB	350	175	150	150	0.020
8'x6' RSJ	400	175	200	150	0.020
K/B-100	500	150	300	100	0.020
K/B-125	500	162.5	300	125	0.020
K/B-150	500	175	300	150	0.020
K/B-175	500	187.5	300	175	0.020
K/B-200	500	200	300	200	0.020
K/B-225	500	212.5	300	225	0.080
K/B-250	500	225	300	250	0.080
'G' Portal	450	290	250	380	0.080
'N' Portal	650	325	450	450	0.080
'O' Portal	750	375	550	550	0.080
R' Portal	800	400	600	600	0.080
TTC	500	212.5	300	225	0.080
'BFB' Portal	350	250	150	305	0.080
Double RSJ 8'x6'	400	325	200	450	0.080
'S' Type	505	250	305	300	0.080
BFB 200x200 9.40 Kg/m	400	200	200	200	0.080
8'x8' BFB	400	200	200	200	0.080

Notes:-

1. All Dimensions are in 'mm' unless stated other wise.
2. 1:2:4 Concrete Mixture to be used for all Muffs.
3. To Prevent the accumulation of water at the bottom of the Structures the muff shown in this Drawing is to be adopted
4. In case of the Top of the hole for Rail bonding goes inside muff then the height of the muff is to be reduced in such a way that the top hole for the Rail bonding is by about 50 mm from the top of muff.
5. Muff for the Masts (Applicable to portals & Two track cantilever masts also)