

A P P E N D I X - IPHYSICAL PROPERTIES OF SOILA) SOIL TEXTURE :

<u>Description of textural class</u>	<u>Symbol</u>
- Sand	S
- Sandy loam	Sl
- Loamy Sand	LS
- Loam	L
- Silt	Si
- Silty loam	sil
- Sandy clay loam	scl
- Silty clay loam	sicl
- Clay loam	cl
- Sandy clay	Sc
- Silty clay	sic
- clay	c

B) SLOPE :

<u>Description and Range</u>	<u>(%)</u>	
- Flat or nearly level	0 - 1	A
- Very gentle	1 - 3	B
- Gently sloping	3 - 5	C
- Moderately sloping	5 - 10	D
- Moderately strongly sloping	10 - 15	E
- Strongly sloping	15 - 25	P
- Moderately steep	25 - 33	G
- Steep	33 - 50	H

C) DEPTH :

<u>Depth class and Range</u>		<u>Symbol</u>
- Very deep	- 90.00 cms	d ₅
- Deep	45.00 - 90.00 cms	d ₄
- Moderately deep	22.50 - 45.00 cms	d ₃
- Shallow	7.50 - 22.50 cms	d ₂
- Very shallow	- 7.50 cms	d ₁

D) EROSION :

<u>Description</u>		
- No erosion or slight erosion		e ₁
- Moderate erosion		e ₂
- Moderately severe to severe erosion		e ₃
- Very severe erosion		e ₄

E) DRAINAGE :

<u>Description</u>		
- Very less drained		D ₁
- Less drained		D ₂
- Moderate drained		D ₃
- Well drained		D ₄
- High drained		D ₅

F) GRAVELS :

<u>Description</u>		
- No gravels		g ₀
- Less gravels		g ₁
- Moderate gravels		g ₂
- High gravels		g ₃
- Very high gravels		g ₄

G) COLOUR :

<u>Description</u>	<u>Symbol</u>
- Black	BL
- Red	RD
- Brown	BR
- Red Brown	RB
- Dark Red	DR
- Dark Brown	DB
- Light Brown	LB

H) SOIL MOISTURE CONDITIONS :

<u>Description</u>	
- Soil moisture replenishment	W ₁
- Waterlogging due to watertable	W ₂
- Occassional flooding hazard	W ₃

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- SOURCE :
- i) Soil Survey Manual, Agricultural Department, Government of Maharashtra, October, 1984.
 - ii) Singh, J. and Dillon, S.S. (1984) : Agricultural Geography, Tata McGraw-Hill Publishing Co., New Delhi.