

# ABSTRACT

## 1. SURVEY AREA:

Priority subwatershed no.: Ma3b, Ma3d, Mb2a, Me1b, Mf2a, Mf2b, Mf2c, Mg1d, Mg2a, Mg2b, W and Mg2c of

Machkund catchment Distt: Visakhapatnam  
(ANDHRA PRADESH).

- a. Total area surveyed: 17,730 hectares
- b. Type of survey : Detailed
- c. Period of survey : April to June, 1900
- d. Area surveyed under each subwatershed:

i.	Subwatershed No.	Ma3b	576 Ha.
ii.	"	Ma3d	802 "
iii.	"	Mb2a	2151 "
iv.	"	Me1b	953 "
v.	"	Mf2a	2733 "
vi.	"	Mf2b	910 "
vii.	"	Mf2c	2452 "
viii.	"	Mg1d	2153 "
ix.	"	Mg2a	1407 "
x.	"	Mg2b	2513 "
xi.	"	Mg2c	1000 "
		<b>TOTAL:</b>	<b>17,730 "</b>

## 2. SOIL SERIES MAPPED AND THE AREA AS A WHOLE COVERED BY EACH SOIL SERIES IN HECTARES.

Sl.No.	Name of soil series and symbol	Total area	
	Area	Area	%
1.	ARAKU (AK)	216	1.2
2.	BILAPUT (BU)	47	0.3
3.	PAVLUPADA (DP)	35	0.2
4.	GUDIPUT (GU)	139	0.8
5.	HALANGAPADA (HA)	1125	6.3
6.	JAVAGUDA (JG)	1402	8.4
7.	KALLUPADA (KP)	508	2.9
8.	KONA (KN)	691	3.9
9.	NAVAPUT (N)	174	1.0
10.	PIPLUPUTTU (PT)	1411	8.0
11.	TATIPUT (TP)	11325	63.8
	<b>Total:</b>	<b>17,153</b>	<b>96.8</b>
			<b>96.80</b>
	SUBMERGED AREA (MACHKUND PROJECT)	93	0.5
	MISC. LAND TYPE	484	2.7
	<b>GRAND TOTAL:</b>	<b>17,730</b>	<b>100</b>

3. SUBWATERSHEDWISE AREA UNDER DIFFERENT LAND CAPABILITY UNITS IN HA. DISTT. VISAKHAPATNAM (ANDHRA PRADESH).

S.N.	Land capability unit	Total area		Ma3b		Ma3d		Mb2a		Me1b		Mf2a	
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	II-I <i>937</i>	246	1.4	6	1.1	-	-	132	6.2	4	0.4	-	-
2	IIw-I	691	3.9	17	3.0	18	2.3	103	4.7	41	4.3	13	1.4
3	IIIe-1 <i>2659</i>	515	2.9	24	4.2	73	9.1	79	3.7	113	11.9	12	1.3
4	IIIe-2	2144	12.1	26	4.5	196	24.4	544	25.3	196	20.6	24	2.6
5	IVes-1 <i>139</i>	139	0.8	-	-	-	-	13	0.6	29	3.0	-	-
6	VIes-1	508	2.8	-	-	-	-	29	1.3	3	0.3	55	6.0
7.	VIes-2 <i>434</i>	1411	8.0	85	14.7	1	0.1	236	11.0	46	1.7	80	8.8
8.	VIes-3	2515	14.2	177	30.7	158	19.7	392	18.2	161	16.9	184	20.2
9.	VIIes-1	8984	50.7	239	41.5	344	42.9	605	28.1	251	26.3	534	58.7
10.	Submerged area	93	0.5	-	-	-	-	-	-	93	9.8	-	-
11.	Misc. land type <i>577</i>	484	2.7	2	0.3	12	1.5	18	0.8	46	4.5	8	1.0
	Total:	17730	100.0	576	100	802	100	2151	100	953	100	910	100
				3.3		4.5		12.1		5.3		5.2	

