

**Report on Prioritization of Micro-watersheds of 4E6A (Part), 4E6B (Part) and 4E7A Subcatchments (Godavari and Manjra River) of Pochampad Dam Catchment (RVP) , Adilabad , Nizamabad and Medak Districts, Andhra Pradesh ; Bidar District, Karnataka and Nanded District, Maharashtra.**

**ABSTRACT**

- 1. Survey area** : Part of Pochampad Catchment , Godavari Basin (4E6A, 4E6B (Part) and 4E7A Subcatchments ).
- 2. Location** : 18<sup>0</sup>-00' to 19<sup>0</sup>-18' NL and 77<sup>0</sup>-33' to 78<sup>0</sup>-18' EL
- 3. Total area surveyed and mapped:** 6,15,471 ha.
- 4. Agro-climatic zone** : Agro-Climatic Region No. X (Southern Plateau & Hill Region).
- 5. Period of Survey** : April, 2006 to March, 2007.
- 6. Type of Survey** : Rapid Reconnaissance Survey.
- 7. Base material** : Topographic maps of Survey of India (on 1:50,000 scale )
- 8. Hydrological Division** :
- a. Catchment** : 4E6, 4E7 (Pochampad Dam Catchment)
- b. Subcatchment** : The part of 4E6A & 4E6B and 4E7A (Full).
- c. Watersheds** : 4E6A1, 4E6B6 and 4E6B7  
4E7A1, A2, A3, A4, A5 ,A6
- d. Micro-watersheds** : 726

### 9. Area Extent of different Erosion Intensity Mapping Units

Sr. No.	EIMU	Weightage value	D.R.	Area in ha	Area %
1	A1	13	0.59	94572	15.37
2	A2	16	0.65	17415	2.83
3	A3	18	0.71	51612	8.39
4	B1	21	0.88	2550	0.41
5	B2	19	0.76	16889	2.74
6	B3	16	0.67	18381	2.99
7	B4	15	0.66	10371	1.68
8	B5	16	0.68	42828	6.96
9	B6	15	0.63	47485	7.73
10	B7	18	0.70	17212	2.80
11	G1	18	0.76	18865	3.06
12	G2	16	0.69	26644	4.33
13	G3	15	0.66	4842	0.79
14	G4	17	0.69	17182	2.79
15	G5	13	0.69	43318	7.03
16	G6	16	0.64	11250	1.83
17	G7	16	0.65	26358	4.28
18	G8	13	0.58	99305	16.13
19	G9	15	0.63	20889	3.39
20	Forest	-	-	750	0.12
21	Habitation	-	-	2776	0.45
22	River	-	-	3600	0.59
23	ROC	-	-	25	-
24	Submerged	-	-	9950	1.62
25	Tank	-	-	10402	1.69
<b>Grand Total</b>		-		<b>6,15,471</b>	<b>100.00</b>

### 10. Priority Categorization of Microwatersheds:

S.No.	Priority Category	No. of Microwatersheds	Area in ha	Area Percentage
1.	Very High (1200 & above )	33	26402	4.29
2.	High (1100-1199)	106	86417	14.04
3.	Medium (1000-1099 )	164	140840	22.88
4.	Low (900-999)	236	197783	32.14
5.	Very low (Below 900)	187	164029	26.65
	<b>Grand Total</b>	<b>726</b>	<b>615471</b>	<b>100.00</b>

Priority category & range	ANDHRA PRADESH								KARNATAKA			MAHARASHTRA			Grand Total	Per centage	
	ADILABAD		Area (ha)	MEDHAK		Area (ha)	NIZAMABAD		Area (ha)	BIDAR		Area (ha)	NANDED				Area (ha)
	No. of MWS			No. of MWS			No. of MWS			No. of MWS			No. of MWS				
	Full	Part		Full	Part		Full	Part		Full	Part		Full	Part			
Very High (1200 & above)	14	-	9914	4	-	3575	14	-	12113	-	-	-	1	-	800	26402	4.29
High (1100-1199)	44	3	36466	14	4	14652	23	8	21787	11	1	9163	2	8	4349	86417	14.04
Medium (1000-1099)	44	8	38475	19	6	19328	51	10	49673	12	12	17574	10	20	15790	140840	22.88
Low (900-999)	32	7	27565	20	2	18650	169	8	145545	-	-	-	3	10	6023	197783	32.14
Very Low (Below 900)	15	1	12013	3	1	2912	161	2	144341	-	-	-	5	2	4763	164029	26.65
Total	149	19	124433	60	13	59117	418	28	373459	23	13	26737	20	40	31725	615471	100

## 12. Salient features:

- ❖ Land under very gentle to gentle slopes covers maximum area of 217634 ha ( 35.36%) , nearly level to very gentle slopes covers 211292 ha (34.33%), gentle to moderate slope covers 89252 ha (14.50%), whereas , strong to moderately steep, steep to very steep slope covers 48375 ha (7.86 %) and 21415 ha (3.48 %) area respectively .
- ❖ Very deep soils covers an area of 201700 ha, deep to very deep soils covers 146790 ha, shallow to moderately deep soils covers an area of 201658 ha and shallow soils covers 37820 ha.
- ❖ The area suffering from slight erosion is 193877 ha (31.50 %), slight to moderate erosion 102508 ha.(16.66%), moderate erosion 63717 ha (10.35% ), moderate to severe erosion 53689 ha (8.72%) and severe erosion 174177 ha (28.30%).