REPORT ON SOIL SURVEY AND LAND USE OF TEPRA SUB-CATCHMENT (SUB-CATCHMENT NO:IV) UNDER MAYURAKSHI CATCHMENT IN JARMUNDI, SARAWN PHULJORI AND JAMA POLICE STATIONS, DIST: SANTAL PARGANAS, BIHAR

I. INTRODUCTION:

Soil Survey of Mayurakshi catchment above the Masanjore dam has been taken up by the Red & Laterite Soil Region I, Calcutta Centre, of the All India Soil & Land Use Survey Organisation, Ministry of Food & Agriculture Govt. of India.

The catchment of the Mayurakshi has a total area of 718 sq.miles or 4,59,520 acres and comprises of the Upper catchment of the river in the Dist. of Santal Parganas, Bihar. The areas for soil survey in the Tepra Sub-catchme (Sub-catchment no.IV) of Mayurakshi catchment have been decided as priority areas taking into consideration the erosion assessment through aerial photo interpretation and also as suggested by the State Department, Bihar. The main objectives of the soil survey are to define, describe, demarcate and classify the various kinds of soils occuring in the area and to interpret those data to prddict efficient use of eachh unit of land delineated on the maps. It is envisaged that such informations will aid in general planning and development of the area and also for effective planning and execution of soil conservation and anti-erosion measures in the area. The ultimate prupose is to minimise sil loads in the streams and to check siltation of the reservoir.

II GENERAL DESCRIPTION OF THE AREAS:

1. Location and Extent:-

This project report deals with the soil survey work done in Jarmundi, Mohanpur, Jama, Saraiyahat, Sarat and Sarawn Police stations of Santal Parganas, Bihar covering the priority areas, based on the findings of aerial photo interpretation of Tepra sub-catchments (Sub-catchment no.IV) under Mayurakshi catchment.

The surveyed area of the Tepra sub-catchment comprising of 275 villages lies within 24°13'N to 24°26'N latitudes and 86°53'E to 87°12'30'E longitudes and covers a total area of 90,624 (approx) acres.

LIST OF MAPPING UNITS RECOGNISED IN EACH VILLAGE, THEIR PRESENT LAND USE AND LAND CAPABILITY CLASSIFICATION OF TEPRA SUB-CATCHMENT (NO.IV) UNDER MAYURAKSHI CATCHMENT, SANTAL PARGANAS, B I H A R.

P.S. JARMUNDI

DIST - SANTAL PARGANAS.

S.No.	Name of village	Soil Code	Present land Use	Land Capability class
I.	Burhikurwa	1. Mdj-sil-d_4 / B - e_2	C_1	IIIe
		2. Prk-l-d_5 / C - e_1	C_1W_1	IIIe
		3. Mdj-sl-d_5 / B - e_4	W_1	IVe
		4. Ork-sl-d_5 / C - e_1	C_1t	III
		5. Ork-sl-d_5 / B - e_1	C_1t	III
		6. Mhj-scl-d_5 / B - e_1	C_1t	II
II.	Ambapaghar	1. Lto-l-d_5 / B - e_1	C_1t	II
		2. Hrp-ls-d_2 / B - e_2	W_1	IVes
		3. Ork-scl-d_5 / B - e_1	C_1t	III
III.	Parlatanr	1. Ort-ls-d_4 / B - e_2	C_1	IIIe
		2. Ork-sl-d_4 / B - e_1	C_1t	III
		3. Ork-sl-d_5 / B - e_1	C_1t	III

IV. Hariharpur	1. Ort-ls-d_4 / B - e_2	C_1 ?	IIIe
	2. Lto-l-d_5 / B - e_1	C_1t	II
	3. Mhj-sl-d_5 / B - e_1	C_1t	II
V. Dhanpaldia	1. Ort-ls-d_4 / B - e_2	C_1W_1	III e
	2. Mdj-sl-d_5 / B - e_2	C_1 ?	III e
VI. Machla	1. Hrp-sl-d_3 / C - e_2	W_1	IVe
	2. Ddn-sl-d_3 / B - e_1	C_1t	III
	3. Htg-cl-d_5 / B - e_1	C_1t	IIw
	4. Mdj-sl-d_5 / B - e_2	C_1	IIIe
	5. Mhj-sl-d_5 / B - e_1	C_1t	II
	6. Ork-sl-d_5 / B - e_1	C_1t	III
	7. Ddn-scl-d_2 / B - e_1	C_1t	IVs
	8. Mdj-sl-d_5 / B - e_3	C_1W_1	IVe
	9. Mdj-scl-d_5 / B - e_2	C_1	III
	10. Mhj-scl-d_5 / B - e_1	C_1t	II
	11. Gullied land		