List of Plates

Plate 1: Undulating lateritic topography subsequently sculptured by the R. Subarnarekha. The then English trader's (East India Company) 'nilkuthi' (buildings for processing indigo), the remnants of which are seen.

Plate 2: A view of soil (red gravelly) profile at Bholu, Gopiballavpur-I.

Plate 3: A contrasting view of river bank at Hathibari, Gopiballavpur-I (border between Bihar and West Bengal). The demarcated areas indicate steep and gentle river banks respectively. The blue arrows indicate very deep water of R. Subarnarekha.

Plate 4: Another view of R. Subarnarekha at Hathibari with big sandbar and river lift irrigation device.

Plate 5: A view of boulder excavated field (lateritic) near Keshiary leading to land degradation.

Plate 6: A view of the weathered laterite near Keshiary.

Plate 7: Nature of river bank erosion (R. Subarnarekha) at Kuthighat, Gopiballavpur-II.

Plate 8: The researcher, on the vast stretches of floodplain on the R. Subarnarekha (near Nayagram), observing the surrounding topography with the help of a binocular.

Plate 9: Small and scattered Sal forest along Nayagram-Kharikamathami road. The demarcated area indicates duricrust formation.

Plate 10: Auto flow at Gopiballavpur village.

Plate 11: Deep tube well, a means of irrigation used for double cropping near Belda area, Narayangarh Block.

Plate 12: The background shows degraded Sal forest whereas in the foreground newly growing Sal saplings near Kharikamathani are seen.
Plate 13: A view (in the background) of moderately undulating topography with some Acacia trees. In the foreground, alluvial tract is being used for H.Y.V. rice cultivation at Dangarsai, Gopiballavpur-II.

Plate 14: H.Y.V. paddy cultivation in the fertile tract of Sorrong village, Dantan-I.

Plate 15: Potato cultivation in the alluvial tract of Belda area, Narayangarh Block.

Plate 16: Vegetable gardening (cauliflower, palang - a species of spinach) near Bhasraghath, Keshiary Block.

Plate 17: Sugarcane cultivation on the left bank of R. Subarnarekha (Bhasraghath area) and unutilised extensive sand deposit.

Plate 18: Babui grass cultivation at Kharikamathani (Nayagram Block), a source of income to the people inhabiting the area.

Plate 19: A view of current fallow (more than 1 km) between Dahi village and the main channel of R. Subarnarekha.

Plate 20: Plantation of Eucalyptus, a part of social forestry programme, near Kharikamathani, Nayagram Block.

Plate 21: Sidhu-Kanu-Birsa Setu (bridge) on the R. Subarnarekha.

Plate 22: A part of the embankment (mainly boulders) along the left bank of R. Subarnarekha to prevent the ingress of floodwater during rainy season near Nayagram.

Plate 23: The trainees (mainly tribal) with some babui products at Kharikamathani, Nayagram Block.

Plate 24: A weekly village market at Kharikamathani, the place for marketing the agro-products and agricultural implements.