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10. Distribution of Economic Forest.

DIAGRAM NO

1. Diagrammatic View On Relief.

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1. A specimen of the Garnetiferous mica-schist with ferruginous quartz bands. The tip of the pen rests on the garent embedded surface, while the end point marks the ferruginous banded quartz veins.
2. Small lines of dislocation in a folded bed leading to the unconformable zones and crushed rocks.
3. A left bank profile of Jhiku river, a sub-tributary of the Taraphini river, exposing both the ancient and recent deposits. The gravels of Tertiary age covers the top profile while the Chhendapathar granite blocks are exposed in the bottom profile.
4. A view of Landscape in the source region of the river Taraphini in the granitic lithology.
5. Evidence of bank slumping(a) in the left bank of the Taraphini river.
6. Incipient stage of gully development, micro-channels are furrowing up.

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PHOTO NO.

7. Well developed 'bird's foot' gully is advancing headward near the Chagra village.
8. Gullied tributary is prominent even in the lower reach.
9. Changes of soil down the slope.
  - (a) Lithosol permitting tree growth on fractures.
  - (b) Eroded blocks, making the soil gravelly.
  - (c) Colluvium soil suitable for cultivation.
10. Linear ranges of sal forest in the western watershed of the Taraphini River Basin.
11. The road-side plantation of artificial trees are found to intrude the rdgn of original forest cover in the northwestern corner.
12. Well irrigation is often restricted by the proximity of hard rock near the surface while natural hollows are used for tank irrigation.
13. Kangsabati right bank main canal near Silda village.
14. Release of Kangsabati canal water through Taraphini barrage at Baistampur.
15. The bed of river Taraphini in 2nd reach near Kalabani village.
16. Example of vigorous bed rock erosion near rapid.
17. Number of Potholes merging gradually to make interlinked potholes. The smoothness of surface is also noticeable.
18. A distinct break of slope in dotted lines, on the face of the huge point bar in the foot of rapid. The predominance of gravel is also remarkable.
19. The river Taraphini in her journey through the 4th reach.
20. A rock-out course of the river Taraphini in the 5th reach; huge sandy bars are also noticed against the rocky exposures.
21. Influence of haphazardly disposed amphibolite outcrop on pool and bar formation in the 5th reach.
22. The river bed of the Taraphini, below the confluence with Bhairabbanki in the 6th reach. The 1st break of slope is marked along dotted lines. The abundance of coarse sand in this lower most reach is also noticeable.

PHOTO NO.

23. A trough-like formation in the vast sandy stretch in 6th reach(a).
24. The post monsoon view of the river Taraphini, above the rapid.
25. Barren land within a forested belt facilitating gulley erosion. The hardening of surface disfavours even the grass growth, a typical example of 'duricrust'.
26. Plantation of Sal trees(a) and placing of heaps of young offshoots of miscellaneous trees, checking the lateral and frontal growth of gulley.
27. Tribals at work in the Chhendapathar Tungsten Quarry; the exposure of an oxidised layer(a) in the quarry gives a partial hint to condition of highly sheared and sheared tungsten ores.
28. Intensely kaolinised and jointed blocks of Chhendapathar granite providing raw material for household industry.
29. The iron-enriched soil surface is used for constructional purposes.
30. The Quartzite boulders on the Taraphini River Bed near Sinduria village are already in use for the purpose of the extension of Belpahari-Tanajuri road;
31. The disposition of numerous quartz vein in the area has attracted attention of the Geological Survey of India at present.
32. A huge block of meta-basic rock lying about 500 m upstream of Taraphini rapid has been earmarked as a potential reserve of building stones.
33. A charming view of the Taraphini barrage site holds the promise of a week-end resort.
34. An urban touch to the rural face of the area brings a genteel atmosphere.
35. Even the old tribal villages are very keen to receive warmly any newcomer to their place.

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