

Report on priority delineation of Subwatersheds in
Amanat dam (Son F.F.R.) catchment

SUMMARY

1. Survey area - Amanat dam (Son F.F.R.) catchment .
2. Location :- a) Latitude - $25^{\circ}30'$ - $25^{\circ}5'$ North
b) Longitude - $84^{\circ}25'$ - $84^{\circ}4'$ East.
c) District - Hazaribagh & Palamu of Bihar state
d) Agroclimatic zone - VII The Eastern Plateau Hill region .
3. Total area:- 71,140 hect.
4. Base map :- Topographical map of survey of India on 1:50,000 scale
5. Period of Survey :- April - June 59 .
6. Hydrological Sub - division :-
 - a) Catchment - Amanat dam (A)
 - b) Subcatchment - 2
 - c) Watersheds - 4
 - d) Subwatersheds - 32
- 7) Areal extent of various run - off potential mapping units :-

| Sl.No. | Mapping unit | Area (hect) | Percentage |
|--------|--------------|-------------|------------|
| 1 | 2 | 3 | 4 |
| 1 | A | 2,940 | 4.1 |
| 2 | B | 2,145 | 3.1 |

| 1 | 2 | 3 | 4 |
|-------|---|--------|-------|
| 3 | D | 1,600 | 17.7 |
| 4 | D | 13,712 | 21.4 |
| 5 | E | 8,372 | 14.1 |
| 6 | F | 17,120 | 28.4 |
| 7 | G | 7,832 | 13.2 |
| 8 | H | 7,754 | 13.3 |
| TOTAL | D | 71,140 | 100.0 |

3) Grading of sub-areas into
priority categories

| Sl.No. | Priority category | No. of Sub- watershed | Area (hect) | Percentage |
|--------|-------------------|--------------------------|----------------|------------|
| 1 | Very High | 4 | 6,222 | 3.7 |
| 2 | High | 25 | 57,304 | 81.4 |
| 3 | Medium | 3 | 6,314 | 8.9 |
| TOTAL | 3 | 32 | 71,140 | 100.0 |

9) Sub-Component wise Status of
Priority sub-projects

| Sl.No. | Priority Group | Sub-Component | | Total | Priority |
|--------|----------------|---------------|--------|--------|----------|
| | | 1 | 2 | | |
| 1 | Very High | 1 | 3 | 4 | 3.7 |
| | | 2000 | 4,554 | 6922 | |
| 2 | High | 10 | 9 | 29 | 25.1 |
| | | 43,340 | 17,334 | 60,674 | |
| 3 | Medium | 2 | 1 | 3 | 2.6 |
| | | 4,724 | 1200 | 6124 | |
| TOTAL | | 13 | 13 | 32 | |
| | | 47,140 | 24,394 | 71,140 | 130.1 |
| | | 58.1% | 11.9% | 100.0% | |

10) District wise Status of Priority
Sub-projects

(ha/area haat)

| Sl.No. | Priority Category | Districts | | TOTAL |
|--------|-------------------|------------|--------|-------|
| | | Hazaribagh | Palamu | |
| 1 | Very High | - | 4 | 4 |
| | | - | 6,922 | 6,922 |

