

Report on Prioritization of subwatershed of part of 2B4 & 2B5  
Catchments (Eastern Ganga Canal Irrigation Project) Districts  
Bijnor, Haridwar and Moradabad (Uttar Pradesh)  
(Based on Run off Potential Index)

ABSTRACT

1. Surveyed Area Part of 2B4 & 2B5 catchment  
(Eastern Ganga Cannal Irrigation  
Project) Distt. Bijnor, U.P.
2. Location 78 -01' to 78 -33' East Longitudes  
& 29 -02' to 29 -58' North Latitudes
3. Total area 2,96,735 hectares
4. Period of survey May, 1994 to July, 1994  
November, 1994 to December, 1994
5. Type of Survey Rapid Reconnaissance survey.
6. Base material Survey of India Toposheet No. 53  
K/1,2,3,4,6,7,8,11 and 12 on  
1 : 50,000 Scale

## 7. District wise distribution of area under different mapping units

| S.No. | Mapping units | District wise area |        |           | Total area | Percentage |
|-------|---------------|--------------------|--------|-----------|------------|------------|
|       |               | Haridwar           | Bijnor | Moradabad |            |            |
| 1     | A 1           | 6600               | 550    | -         | 7150       | 2.4        |
| 2     | A 2           | -                  | 4580   | -         | 4580       | 1.5        |
| 3     | A 3           | -                  | 1685   | 200       | 1885       | 0.6        |
| 4     | A 4           | -                  | 2775   | 50        | 2825       | 1.0        |
| 5     | A 5           | -                  | 42025  | 3150      | 45175      | 15.2       |
| 6     | A 6           | -                  | 151083 | 5025      | 156108     | 52.6       |
| 7     | A 7           | -                  | 18712  | 50        | 18762      | 6.3        |
| 8     | A 8           | -                  | 19750  | 3600      | 23350      | 7.9        |
| 9     | A 9           | -                  | 3175   | 25        | 3200       | 1.1        |
| 10    | A 10          | 925                | 16750  | 875       | 18550      | 6.3        |
| 11    | A 11          | 575                | -      | -         | 575        | 0.2        |
| 12    | A 12          |                    | 2125   | 1275      | 3400       | 1.1        |
| 13    | A 13          |                    | 3775   | -         | 3775       | 1.3        |
| 14    | Misc.         |                    | 4950   | -         | 4950       | 1.7        |
| 15    | River         | 375                | 2075   | -         | 2450       | 0.8        |
| Total |               | 8475               | 274010 | 14250     | 296735     | 100        |

III

8. Hydrologic division:

- a. Catchment - 2B4 & 2B5  
(part of Ganga below Bhimgorha Barrage)
- b. Subcatchments 5 (2B4D & E, 2B5A, B & C)
- c. Watershed 8(2B4D2, D3, E2, 2B5A8, B8, C1, C5 & C6)
- d. Subwatersheds 86

9. Priority categorisation of subwatersheds

| S.No. | Priority category | Potential index runoff range | No. of subwatershess | Area in hectares | Percentage |
|-------|-------------------|------------------------------|----------------------|------------------|------------|
| 1.    | Very high         | 65 and above                 | Nil                  | -                | -          |
| 2.    | High              | 60 - 64                      | 21                   | 59075            | 19.9       |
| 3.    | Medium            | 55 - 59                      | 55                   | 202035           | 68.1       |
| 4.    | Low               | 50 - 54                      | 10                   | 35625            | 12.0       |
| 5.    | Very low          | Below 50                     | Nil                  |                  |            |
| TOTAL |                   |                              | 86                   | 296735           | 100        |