GUIDELINES FOR PREPARATION OF PROPOSALS FOR CONSTRUCTION OF ANICUTS/WHIS IN DIFFERENT AREAS

Name of Anicut/WHIS:

A. GENERAL

(1) Location of proposed Anicut/WHIS:
   (i) Name of Tehsil and District:
   (ii) Name of River/Nallah/Tributary:
   (iii) Longitude and Latitude:
   (iv) Details of Micro Water shed/Macro Water shed:
   (v) G.T. Sheet No:

(2) Catchment Area Details:
   (i) Gross Catchment Area (sqkm)
   (ii) Interceptor Catchment Area (sqkm):
   (iii) Free Catchment Area (sqkm):
   (iv) Type of Catchment: (Good/Average/Bad)
   (v) Average rainfall (mm) in last 30 years

(3) Storage Capacity (MCum) supported by calculations:

(4) Estimated Cost (Rs./Lacs):

B. U/S DETAILS

(1) Details of Existing/Ongoing/Proposed projects in the U/S of the proposed anicut, starting from origin of catchment to the proposed Anicut/WHIS site:
   (Table 1)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Project</th>
<th>Distance From Anicut/WHIS (km)</th>
<th>Gross Catchment Area (CA) (sq km)</th>
<th>Gross capacity (Mcum)</th>
<th>Peak Flood Discharge (PFD) (Cumees)</th>
<th>Remarks</th>
</tr>
</thead>
</table>

(2) Details of other small existing/ongoing/proposed/renovated obstructions in micro water sheds (correct, precise and specific information be supplied) of all water bodies/structures whether they are from WRD, RD, PHED, Forest, Watershed etc. (Table 2 to 5 Performa enclosed, marking of all details on micro watershed atlas)
C. DOWNSTREAM DETAILS
(i) Details of existing/ongoing/proposed D/S projects starting from Proposed Anicut/WHS site to the downstream Major/Medium Projects/State Boundary:

(4) Project wise technical note and table showing details of actual water inflow during last 30 years against design capacity.

(1) Name of Project:
(2) Design Capacity

D. PROJECT WISE DETAILS

(1) Name of Project:
(2) Design Capacity

E. OTHERS

(1) Index plan (on 1:50,000 scale) showing all above details along with rain gauge and river gauge stations affecting the hydraulic parameters of proposed Anicut/WHS site (With proper coloring and marking on original G.T. Sheet in 5 sets).

(2) A certificate of Hydro Geologist from Government Department that "Proposed Anicut/WHS site is suitable for ground water recharge and ground water aquifer is available." (Enclose as Annexure)

(3) A certificate from the concerned Executive Engineer that "Proposed Anicut/WHS is not coming in / not intercepting the catchment area of any D/S water storage structure and it will not affect the eco system /riparian rights/water inflow of D/S structure." (Enclose as Annexure)
(4) Certificate from the concerned Executive Engineer that "Proposed Anicut/WHS site will be handed over to the beneficiaries of nearby locality or concerning Gram Panchayat after completion and not to the individual." (Enclose as Annexure)

(5) A certificate from concerned Superintending Engineer that "Proposed Anicut/WHS site and its submergence is not coming under private / forest land. No compensation matter will arise" (Enclose as Annexure)

(6) Whether construction of vertical shaft is proposed in U/S (in submergence) to recharge the ground water?

(7) Proposed use of water to be stored in Anicut

(8) Height of proposed Anicut/ WHS; Justification of Height."

Height of Anicut/ WHS should not be more than 2.00 m from the deepest nulla level (Justification be enclosed as Annexure)

(9) Calculation of Availability of water at Anicut/ WHS site. (Enclose as Annexure)
### Table 2

#### Details of Obstruction in the Catchment

<table>
<thead>
<tr>
<th>Macro Watershed no.</th>
<th>Micro Watershed no.</th>
<th>Anicut</th>
<th>WHS</th>
<th>Farm and Village Ponds</th>
<th>Farm Bundles</th>
<th>Other water bodies, if any</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td></td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>

**Total**

**Certified that all details of Micro water Sheds mentioned above have been checked and verified at site.**

**Executive Engineer**
### Table 3

**Category 2: Structures which are non-functioning, but in a position that they can be repaired.**

**Details of Obstruction in the Catchment**

<table>
<thead>
<tr>
<th>Name of Anicut</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latitude:</td>
<td>Longitude:</td>
</tr>
<tr>
<td>Gross C. A.:</td>
<td>GT Sheet no.:</td>
</tr>
</tbody>
</table>

**(A) Details of Obstruction in the Catchment on the Basis of Micro Watershed (Constructed by any agency WRD, RD, PHED, FOREST, WATERSHED ETC.):**

<table>
<thead>
<tr>
<th>Macro Watershed no.</th>
<th>Micro Watershed no.</th>
<th>Name/No.</th>
<th>Area in Sq. Km</th>
<th>Capacity in Mourn</th>
<th>Name/No.</th>
<th>Area in Sq. Km</th>
<th>Capacity in Mourn</th>
<th>Name/No.</th>
<th>Area in Sq. Km</th>
<th>Capacity in Mourn</th>
<th>Name/No.</th>
<th>Area in Sq. Km</th>
<th>Capacity in Mourn</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

**Total:**

Certified that all details of Micro water SheeS mentioned above have been checked and verified at site

Executive Engineer:
### Table 4: Details of Obstruction in the Catchment

**Category 3: Structures which are non-functioning due to damage of total loss.**

#### Details of Obstruction in the Catchment

<table>
<thead>
<tr>
<th>Macro Watershed no.</th>
<th>Micro Watershed no.</th>
<th>Anicut</th>
<th>WHS</th>
<th>Farm and Village Ponds</th>
<th>Farm Bundings</th>
<th>Other water bodies: if any</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name/ Nos.</td>
<td>Area in Sq. Km</td>
<td>Capacity in Mcum</td>
<td>Name/ Nos.</td>
<td>Area in Sq. Km</td>
<td>Capacity in Mcum</td>
<td>Name/ Nos.</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

*Certified that all details of Micro Water Sheds mentioned above have been checked and verified at site.*

Executive Engineer
### Table-5

**Details of Obstruction in the Catchment**

<table>
<thead>
<tr>
<th>Name of Anicut</th>
<th>District</th>
<th>Gross C. A.</th>
<th>GT Sheet no.</th>
<th>(A) Details of Obstruction in the Catchment on the Basis of Micro Watershed (Constructed by any agency):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Mega Watershed</strong></td>
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<td></td>
<td>No.</td>
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<tr>
<td>Total</td>
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</tr>
</tbody>
</table>

Certified that all details of Micro Watershed mentioned above have been checked and verified at site

Executive Engineer