

**CHECKLIST/LIST OF DOCUMENTS REQUIRED FOR APPROVAL OF GADs OF  
BRIDGES ACROSS CANALS**

| <b>Name of Canal</b>  |  | <b>Remarks</b>  |
|---|--|---|
| <b>Circle/Division/Sub-Division</b>   |  |   |
| <b>RD of Centerline of proposed bridge</b>  |  |   |
| <b>Angle of Crossing</b>  |  |   |
| <b>Carriage Way Width</b>   |  |   |
| <b>Existing structure, if any</b>   | Approved Drawings<br>Design Discharge<br>Total Waterway<br>No. of Spans<br>Span Length<br>Type of Foundation<br>Foundation Level<br>Existing Road Level<br>Reason for remodeling/Re-construction |   |
| <b>Approved L-Section of Canal<br/>( In case of Canals with Discharge less than 350<br/>cusecs)</b> | Design Discharge<br>Full Supply Level<br>Designed Bed Level<br>Designed Bed Width<br>Bed Slope<br>Design Velocity<br>Side Slope  | Duly Signed<br>by<br>concerned<br>J.E.,S.D.O.&<br>XEN |
| <b>Key Plan depicting continuity of banks</b>   |  | Duly Signed<br>by<br>concerned<br>J.E.,S.D.O.&<br>XEN |
| <b>Site Plan</b>  |  | Duly Signed<br>by<br>concerned<br>J.E.,S.D.O.&<br>XEN |
| <b>Existing Cross Sections (at proposed RD, 100 ft<br/>U/s &amp; D/s and 250 ft U/s &amp; D/s)</b>  | Existing Bed Width<br>Existing Bed level<br>NSL (Left and Right)   | Duly Signed<br>by<br>concerned<br>J.E.,S.D.O.&<br>XEN |
| <b>Hydraulic calculations</b>   |  | XEN   |
| <b>General Arrangement Drawings (including soft<br/>copies in .dwg format)</b>                      | After discussion/approval from<br>S.E in-charge.   |   |

**LIST OF DOCUMENTS REQUIRED FOR APPROVAL OF GADs OF BRIDGES  
ACROSS CANALS**

| <b>Data Required</b>   |                                   | <b>Data to be provided</b>  |
|--|-----------------------------------|---|
| <b>Name of Canal</b>   |                                   |   |
| <b>Feasibility of proposed project at site</b>                               |                                   |   |
| <b>Sub-Division</b>  |                                   |   |
| <b>RD of Crossing</b>  |                                   |   |
| <b>Angle of Crossing</b>   |                                   |   |
| <b>Approved drawings of existing structure showing the following details</b> | Design Discharge                  | <ul style="list-style-type: none"> <li>• to be provided by field office in case of structure constructed by own department</li> <li>• in absence of drawings of existing structure, submit duly attested sketch showing all parameters given in column (i)</li> </ul> |
|  | Total Waterway                    |   |
|  | No. of Spans                      |   |
|  | Span Length                       |   |
|  | Type of Foundation                |   |
|  | Foundation Level                  |   |
|  | Existing Road Level               |   |
| <b>Approved L-Section of Canal showing the following details</b>             | Design Discharge as per L-Section |   |
|  | Full Supply Level                 |   |
|  | Designed Bed Level                |   |
|  | Designed Bed Width                |   |
|  | Water surface slope               |   |
|  | Side Slope                        |   |
|  | Free Board                        |   |
|  | Design Velocity                   |   |
| Lined/Unlined  |                                   |   |
| <b>Site Plan</b>   |                                   | <ul style="list-style-type: none"> <li>• Should show any nearby existing structure U/s or D/s or proposed structure along with its alignment w.r.t. centerline</li> <li>• Should show continuity of Banks.</li> </ul>   |
| <b>Existing Cross Sections (at proposed RD, 100 ft U/s &amp; D/s)</b>        | Existing Bed Width                |   |
|  | Existing Bed level                |   |
|  | NSL (Left and Right)              |   |
|  | Mouth opening of canal.           |   |

**\*\*Note: All data to be provided by field office shall be recommended by Superintending Engineer in-charge.**