



**GUIDELINES
FOR
IRRIGATION ROADS CONSTRUCTION &
IMPROVEMENT SCHEME
(IRC&IS)**

GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES

GUIDELINES FOR IRRIGATION ROADS CONSTRUCTION & IMPROVEMENT SCHEME (IRC&IS)

<u>Sl. No.</u>	<u>Contents</u>	<u>Page</u>
1.	Introduction	1
2.	Objective	1
3.	Selection Procedure	2
4.	Maintenance	3
5.	Preparation, Examination, Clearance of Project Report (PR)	3
6.	Implementation & Financial Arrangements	6
7.	Monitoring & Evaluation Mechanism	6
8.	Submission of Completion Reports	7

1. Introduction:

The Department of Water Resources (DoWR) has a network of around 25900 Km. long canal and river embankments, of which around 55% of the embankments are used for communication. In some interior pockets, these embankments serve as the only means of communication. In recent years, status of National Highways, State Highways, Major District Roads (MDR), Other District Roads (ODR), Panchayat Roads & Village Roads in the state have been improved substantially through many state and centrally funded schemes. There is no plan scheme available for up gradation of river and canal bank roads. This has resulted in unbalanced development of the road network in the state. People depending on the roads suffered badly as the time for access to market and other social infrastructure is increased. Due to fast increase in traffic intensity, the condition of the roads has been further deteriorated. Requests are pouring in from General Public as well as Peoples Representatives to upgrade the status of river and canal bank roads. Departmentally Related Standing Committee-II, 14th Odisha Legislative Assembly during scrutiny of budget documents raised the issue of up gradation of river and canal bank roads and recommended for providing adequate budgetary support for the said purpose.

To address the above concern, a new scheme namely "Irrigation Roads Construction & Improvement Scheme (IRC&IS)" has been proposed under State Plan from the financial year 2014-15.

2. Objective:

The main objective of the scheme is up-gradation of selected river and canal embankment road networks to improve its overall efficiency and connectivity.

The broad activities to be carried out under the programme are

- Upgradation of earthen roads, moorum roads & WBM roads to bituminous / cement concrete standard or both depending upon the site conditions.
- Strengthening & widening of bituminous roads and cement concrete roads
- Renovation / construction of structures.
- Survey, planning, design & other associated works required for road up-gradation.

3. Selection Procedure:

3.1 Selection of roads will be based on the level of utility & traffic intensity. River embankment roads, saline embankment roads, main canal roads, branch canal roads & distributary roads of major & medium irrigation projects are eligible under this scheme. Minor canal roads of major & medium irrigation projects and main canal roads of minor irrigation projects with CCA more than 500 ha may also be covered under this scheme subject to fulfillment of basic selection criteria i.e. traffic intensity and/or level of utility. The level of utility is to be assessed on parameters such as number of villages and population exclusively depending on the road which is to be included under the scheme. Existing embankments and canal banks having top width of 3.6m and above will only be considered under the scheme.

Priority would be accorded to following categories of roads:

- a. Roads on which public transport such as buses etc. are plying,
- b. Roads which are serving exclusively as a link road between villages and other major road networks of the state viz; National Highways, State Highways, MDRs ,ODRs etc.,

c. Roads which are sole means of communication to adjoining villages / habitats and places of importance.

3.2 Discretised way of formulation of proposals may be avoided.

3.3 No land will be acquired for the scheme.

4. **Maintenance:**

Post construction/up-gradation maintenance is essential to keep roads in serviceable condition. It also helps in minimizing the investment in rehabilitation of canal and embankment roads.

4.1 To keep roads in serviceable condition, a five year post construction maintenance clause shall be built into the agreement to be entered with the contractor/agency.

4.2 Necessary provisions are to be made in the bidding document so that the roads shall be maintained by the Contractors / Agencies for five years from the date of completion of the work. During this period the Contractor shall carry out all routine maintenance works required to keep the road in good condition.

4.3 The cost estimation of routine maintenance is required to be done at the time of preparation of DPRs. As such the estimates of every work shall be prepared in two parts. The first part of the estimate will cover construction / up-gradation of road, structures and related works. The second part shall cover the estimates of routine maintenance for five years calculated separately for each year.

4.4 Budget provision for post construction maintenance of roads is to be made under Non-Plan head.

5. **Preparation, Examination & Clearance of Project Report(PR):**

