



GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES

**NORMS FOR PREPARATION OF DETAILED PROJECT REPORT FOR SURFACE MINOR
IRRIGATION SCHEMES PROPOSED FOR CENTRAL ASSISTANCE UNDER AIBP
(July, 2012)**

NORMS FOR PREPARATION OF DETAILED PROJECT REPORT FOR FUNDING UNDER AIBP IN RESPECT OF SURFACE MINOR IRRIGATION SCHEMES

SECTION-I

REPORT

Primarily, preparation of DPR for surface minor irrigation schemes cannot be different from that of major/medium schemes. The AIBP criteria should also address suitably.

The DPR for surface minor irrigation schemes should include the following chapters:

1. Introduction
General information of the project
2. Surveys and Investigations
Details of soil survey carried out in the command, investigation survey details for head works etc.
3. Hydrology
Rain falls details of the catchment area(if no rain fall station is available in the catchment then hydrology be worked out based on the data of the nearest climate station) , Detailed calculation on assessment of water availability for the project. Interstate issues if any. If the project lies in an interstate basin, certificate stating that projected water requirement will be met from the share of water allotted to the State.
4. Design features
Details of the unit/ office which has done the design of various components of the project like earthen bunds, Weir/ Barrage, check dams, pump house, lift canals, canals and their distributaries etc. and prepared the related drawings. The BIS Codes / IS Codes and Manuals used for design should be mentioned.
5. Irrigational Planning
Details of the Proposed cropping pattern . The proposed cropping pattern be framed in consultation with the local Agricultural office
6. Estimate
Details of the cost of the project. The cost be worked out based on current schedule of rates, with the support of drawings
7. Benefit cost ratio

Economic analysis of the project. The BC ratio must be calculated at 10% interest. The cropping pattern, various inputs for the crop, yield, value of crops etc be finalized in consultation with the local state Agricultural offices

8. Construction programme and planning

Details of the sources of construction material such as sand, steel, cement, metals etc required for the project Availability of machinery, period of construction etc Financing pattern of the project i.e., source of fund, State, Centre, beneficiaries, others such as NABARD etc.

9. Command Area Development

The proposed command area development of the scheme and its parri passu implementation

10. Quality Control Aspects

Quality control aspects of works

11. Water Users Association

Formation of WUA and procedure for handing over the MI Scheme to WUA

SECTION-II

CHECK LIST (FOR MINOR IRRIGATION SCHEMES PROPOSED UNDER AIBP)

Sl No.	Item/Activity	
1	Name of Project	
2	Name of district/Block/Village	
3	Longitude	
4	Latitude	
5	Category of Project- Storage/Diversion/Lift/percolation tank	
6	Type of Project (Ongoing/New)	
7	Whether scheme is in DPAP/ Tribal area?	
8	Have foundation investigations been carried out?	
9	Have soil survey in the command area been done?	
10	Have Topographical survey been carried out?	
11	Have any alternative proposals been studied and merits and de-merits discussed?	
12	Average rainfall in command area	
13	Is source (river/stream/nallah) perennial?	
14	Availability of water in the source.(In MCM)	
15	Minimum Discharge in cumec?	
16	Maximum Discharge in cumec?	
17	Effect of the present scheme on existing/ contemplated / upstream and downstream schemes on the same source, if any .	
18	Detail of drinking water supply component , if any	
19	Area of land required to be acquired for the project	
20	Status of Land Acquisition	
21	Does the project falls in the command area of any existing/ ongoing/ proposed major/ medium irrigation project? If so, details thereof.	
22	Whether clearance from state electricity board has been taken in case of LI schemes?	
23	Existing Cropping pattern	
24	Proposed cropping pattern (approved by Agricultural Deptt.)	
25	Has the method used for determining the crop water requirement discussed?	
26	Whether detailed design has been carried out for various component of scheme as per BIS code.	
27	Whether latest SOR adopted for preparation of cost estimate?	
28	Whether unique identification number has been given to each scheme?	
29	Has the source of construction material has been identified?	
30	No villages & people benefitted?	
31	No of farmers of SC/ST community benefitted?	

32	Whether land leveling in command area is required? If so, how state govt proposes to meet the expenditure?	
33	How state govt proposes to meet O&M charges after completion of project?	
34	When state govt proposes to hand over scheme to WUA?	
35	When state govt proposes to take up evaluation studies by independent agency?	
36	Attach Index map and layout plan of project alongwith all major, Medium and minor projects (GEO based).	
37	Period of completion of scheme?	
38	Development cost Rs lakh/ ha	
39	B.C. Ratio at 10% interest	
40	Location of scheme in reference to existing schemes	
41	Whether quality control mechanism exists for MI schemes? Implementing quality control – scope and arrangement (desirable, independent quality control arrangement)	
42	MI schemes having CCA more than 1500 ha, a certificate from State Government indicating that it is not a substitute of medium irrigation projects is required	
43	Certificate from State Government indicating that the MI scheme is not a part of any other major or medium irrigation scheme	
44	Are benefits from Pisciculture / animal husbandry / plantation etc. discussed	

Note: Please give the relevant page number where this information has been given

SECTION-III

SALIENT FEATURES OF THE SURFACE MINOR IRRIGATION SCHEMES

1. Name of Project
2. Name of River/Tributary/Nalah
3. Irrigation (Hectare)
 - a. Gross Command Area(GCA)
 - b. Culturable Command Area (CCA)
 - c. Area under irrigation
 - d. Cost per Hectare of potential planned
4. Name of Villages getting water supply
5. Hydrology
 - a. Gross Catchment Area in sq km
 - b. Intercepted Catchment Area in sq.km
 - c. Un-intercepted Catchment Area in sq.km
 - d. Catchment Rain fall details in mm
 - e. Name of climatic station in the catchment
 - f. Annual yield at the proposed site in M.cum
 - g. Water Utilization of upstream projects in M.cum
 - h. Water Utilization of proposed projects in M.cum
 - i. Design flood at weir/barrage incumecs
6. Submergences details in ha
7. Technical details of barrage/weir
8. Cropping Pattern in ha
 - a. Existing
 - b. Proposed
9. Cost of the Project in Rs Lakhs (at latest SOR)
10. Benefit cost ratio at 10% interest

SPEED POST

मिसिल संख्या 10-4/2011-लघु सिंचाई
भारत सरकार
जल संसाधन मंत्रालय
(लघु सिंचाई खण्ड)

कायालक्ष मु० अभि० (संयुक्त)

नियोजन अनुभाग, देहरादून

अवधि संख्या... 1488.....

पत्रावली संख्या.....

दिनांक 25.7.2012

कमरा न० - 3, बी, खण्ड, भूतल,
शास्त्री भवन नई दिल्ली-110009
दिनांक : 20.07.2012

विषय :- Submission of proposal for release of central assistance under AIBP for ongoing / new MI schemes.

In continuation to this office letter of even number dated 14.05.2012, please find enclosed herewith a copy of the norms and Check List for preparation of Detailed Project Report (DPR) for Surface Minor Irrigation schemes proposed for central assistance under AIBP.

This has the approval of Secretary (WR).

Encl: as above


20.7.2012

(सुन्दर लाल जैन)
वरिष्ठ संयुक्त आयुक्त (लघु सिंचाई)
टैलीफैक्स:- 011-23329538
ईमेल:- sl.jain@nic.in

To

As per list attached

Copy alongwith enclosures for information to:

1. Chairman, CWC, Sewa Bhavan, R.K. Puram, New Delhi-110066.
2. Member (WPMP), CWC, Sewa Bhavan, R.K.. Puram, New Delhi-110066.
3. Member (RM), CWC, Sewa Bhavan, R.K.. Puram, New Delhi-110066.
4. Chief engineer, Project Monitoring Organization, CWC, Sewa Bhavan, R.K.. Puram, New Delhi-110066.
5. Director (Finance), MoWR, Shram Shakti Bhavan, New Delhi.

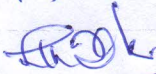
JA
मिचि०३३३

No
23/7

S.S.O. (HOD)

23/07/12

संगवक



अधीक्षक (नियोजन)

midy

24/7/12

(सुन्दर लाल जैन)
वरिष्ठ संयुक्त आयुक्त (लघु सिंचाई)
टैलीफैक्स:- 011-23329538
ईमेल:- sl.jain@nic.in