

Detailed Project Report of Kosi-Mechi Intrastate link project
Section-1
CHECK LIST

Name of the project	Kosi-Mechi Intrastate Link Project
Location:	
(a) State	Bihar
(b) Districts	Supaul, Araria, Purnea, Kishanganj and Katihar
Category of the project:	
(a) Irrigation or multipurpose	Irrigation
(b) Storage or diversion	Diversion

Sl. No.	Item	Reference
1	2	3
	Planning	
1.	Has the master plan for overall development of the river basin been prepared and stages of basin development discussed briefly?	No
2.	Have the alternative proposals been studied and their merits and demerits discussed?	No
3.	Does the scheme fit in the overall development of the river basin and its priority in the overall development of the basin discussed?	Yes
4.	Are there any features which are not likely to fit in the overall development of the basin?	No
	Have the other departments concerned with the development been informed.	Yes
5.	Is the present scheme proposed to be executed in stages? If so, are its various stages of execution and development discussed in the report?	No
6.	Are the effects of the scheme on the riparian rights existing upstream and downstream projects, etc. discussed?	All the requirements of u/s and d/s projects have been accounted before proposing diversion under this project.

	Interstate and International aspects	
	Are there any international/Interstate issues involved? If so, have these issues been identified and present status of agreement or tribunal decision indicated specially in respect of	No
	(a) Sharing of water	N.A.
	(b) Sharing of cost	N.A.
	(c) Sharing of benefits (irrigation, flood control, power etc.	N.A.
	(d) Acceptance of the submergence by the upstream state(s)	N.A.
	(e) Acceptance by the upstream state(s) of compensation of land coming under submergence	N.A.
	(f) Settlement of oustees	N.A.
	(g) Any other	N.A.
	Survey & Investigations	
7.	Have the detailed topographical surveys been carried out for the following items and maps prepared as per prescribed scales.	Yes
	(a) Comparison between PFR & DPR stage	Yes
	(b) Canal survey	Yes
	(c) River surveys	Yes
	(d) Command area survey	Yes
	(e) Plant site and colonies	Yes
	(f) Soil conservation, other survey, communication survey, drainage survey, soil survey, archaeological survey, minerals survey & borrow area survey	Yes
	(g) Geological/geotechnical investigations, borrow area & construction material survey	Yes
	(h) CD/CM structures	Yes
	Hydrology	
8.	Is the hydrology dealt with in details in a separate volume?	In separate annexure volume.

(a)	Have the brief details been included in this report?	Yes
(b)	Is an index map and bar chart showing location of various hydrometric, climatic and rainfall stations and the data availability at those stations been attached?	No
(c)	Are brief notes about quality, consistency, processing and gap filling of the data included?	Yes
9.	Have hydrological studies been carried out for the following:	
(a)	To establish the availability of water for the benefits envisaged.	Yes
(b)	To determine design flood for the various structures (spillway, weir, barrage, etc.)	No
10.	Have the analysis for the water flows, evaporation and command area rainfall been discussed?	Yes
11.	Have the studies regarding reservoir sedimentation been carried out and revised Elevation-Area capacity curves been used in the simulation studies?	No
12.	Have the other requirements such as low flow augmentation, water quality control, etc. been included in the project report and incorporated in the simulation studies?	Yes
13	Design of major Civil Engineering	N. A.
(a)	Components have been finalized taking Seismicity of the region into consideration	
(b)	Have the details of the simulation studies and conclusions arrived from the various alternatives explaining the factors and assumptions been included and discussed?	Yes
(c)	Have the number of failures for difference aspects been indicated?	Yes
14.	Have the likely desirable and undesirable changes in the hydrologic regime due to the project been brought out in the report?	Yes

15.	Is the criteria adopted for selection of the construction in the hydrologic regime due to the project been brought out in the report?	N.A.
16.	Is the basis for fixing up the storages discussed?	N.A.
17.	Have the flood routing studies been carried out?	N.A.
A	Cost estimate	
18.	Is the separate volume of estimate attached as appendix?	Yes
19.	Is the year to which the rates adopted in the estimate relate to indicated?	Yes
20.	Have the analysis of rates for various major items components of the project have been furnished and with basis of analysis described?	Yes
21.	Are the provision for the following items made on the basis of sample survey and sub-estimates:	
	(a) Distributaries, minor and sub-minors (b) Water courses (c) Drainage (d) CAD Works	Yes
B	Revenue	
22.	Is the basis for the following sources of revenues furnished?	
	(a) Betterment levy and proposal for its recovery	No revenue from betterment considered
	(b) Irrigation cess	Not considered
	(c) Flood protection cess	N.A.
	(d) Cropwise water rates	Not considered
	(e) Sale of water for village/city/industrial/power/water/supply	No
	(f) Miscellaneous	No
23.	Have these rates been compared with the existing rates at the other projects in the State/region?	N.A.

24.	In case the rates are being enhanced, has the concurrence of the concerned department(s) been obtained?	N.A.
25.	Have the organizational set up for the collection of revenue been indicated?	N.A.
	B. C. Ratio and financial aspects	
26.	Are the allocated costs for the following components of the multipurpose project worked out and basis therein furnished?	
	(a) Irrigation	Yes
	(b) Power	N.A.
	(c) Flood Control	N.A.
	(d) Navigation	N.A.
	(e) Water supply	N.A.
	(f) Any other	Nil
27.	Have the various departments of the State/Centre agreed to the sharing of the above allocated cost?	N.A.
28.	Have the crop wise benefits been worked out for irrigated and un irrigated crops being grown before project in consultation with the agriculture department and statement furnished?	Yes
29.	Have the cropwise benefits been worked out for proposed cropping pattern after the introduction of irrigation in consultation with the agriculture department and statement furnished?	Yes
30.	Is the B. C. ratio of irrigation projects acceptable or otherwise justified?	Yes
31.	Is the B. C. ratio for flood control projects acceptable or otherwise justified?	N.A.
32.	Is the B. C. ratio for power component of the project acceptable or otherwise justified?	N.A.