

TECHNICAL REPORT

Name of work :- Construction of Left Main Canal including CD works of Ahmadi minor Irrigation Project Tehsil-Kishanganj, Distt. Baran.

An estimate amounting to Rs. 108.89 lakh has been framed to cover the probable cost of **Construction of Left Main Canal including CD works of Ahmadi minor Irrigation Project Tehsil-Kishanganj, Distt. Baran.**

1. Introduction & General

The tenders for the work of Dam was done in the year 2007 but the work was not started due to objection of Forest in the submergence . Again in May 2015 the work was started after received the final NOC from MOEF Govt of India. Now the work of Dam is complete and the process for the compensation of land coming in alignment of canals is reached upto approval of section 11&12 and section (19) is under progress. Ahmadi Dam of Ahmadi MIP is situated on a local Nallah, near village Ahamadi in tehsil-Kishanganj, Distt.-Baran. It is proposed to irrigate the culturable land of Ahmada, Ahmadi, Pitampura, Khayawada&Bajrangarh villages in Tehsil-Kishanganj, Distt.-Baran. The Dam is having 2 nos. sluices for LMC & RMC off taking from ch. 35 & 73 of the Dam respectively.

LMC canal off take from ch. 35 of Dam. The land of Ahmada, Pitampura villages will be irrigate by LMC.

Main features of LMC and works proposed

The total length of LMC is 3900m and provision of PCC block lining have been taken with chute and structures as pipe Syphon 3 nos for field water crossing and nallah crossing, 4 nos. VRB & 5 nos. water course with pipe outlet provision have been taken in the estimate. The details are attached in the Estimate.

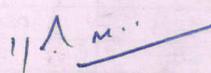
As per the Revised Administrative and financial sanction received vide no F-3(12)/AS/cell/96/XII/3283 Dated 21.12.2011 for Rs 2892.65 Lacs. The cost of LMC was

Rs. 41.01 Lacs. Which is now 108.89 Lacs due to change of BSR from 2011 to 2014 and provision of PCC lining in complete length of canal, outlets with water course and one CD works.

This Estimate has been prepared based on **Water Resources Circle Baran BSR of year 2014.** And it is **Chargeable to:-**

4702 Ahmadi MIP

An early Sanction to the estimate is solicited please


Assistant Engineer
Water Resources Sub Dn,-III
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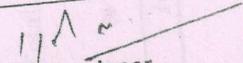
AHMEDI MINOR IRRIGATION PROJECT

Name of Work:- Construction of Left, Right Main Canal and Minor
Including CD Works of Ahmadi MIP, Tehsil-Kishanganj, Distt.-
Baran.

TECHNICAL DATA

S.No.	Particulars	As per sanctioned DPR	As per Estimate
A	Location		
1	1-State	Rajasthan	Rajasthan
2	2-District	Baran	Baran
3	3-Tehsil	Kishanganj	Kishanganj
4	4-Longitude	Lon. 76°-43'	Lon. 76°-43'
5	5-Latitude	Lon. 24°-58'	Lon. 24°-58'
B	Main Dam		
	1. Catchment Area	25.40 Sqkm	25.40 Sqkm
	2. Free Catchment Area	25.40 "	25.40 "
	3. Typs of Catchments	Average	Average
	4. Gross storage capacity	4.10 Mcum.	4.10 Mcum.
	5. Dead storage capacity	0.63 Mcum	0.63 Mcum
	6. Live storage capacity	3.48 Mcum	3.48 Mcum
	7. Sluice sill RL	304.34 Mt.	304.34 Mt.
	8. F.T.L. RL	307.14 Mt.	307.14 Mt.
	9. M.W.L. RL	308.06 Mt.	308.06 Mt.
	10. T.B.L. RL	309.58 Mt.	309.58 Mt.
	11. Maximum Flood Discharge	401.89 Cumecs	401.89 Cumecs
	12. Total Length of Dam Ch. 9.50 to 86.30	2340.86 Mt.	2340.86 Mt.
	13. Length of Earthan Dam Ch. 9.50 to 77.50	2072.64 Mt.	2072.64 Mt.
	14. Length of overflow portion	268.22 Mt.	268.22 Mt.
	15. Flood Lift	0.92 Mt.	0.92 Mt.
	16. Top width of Dam	4.50 Mt.	4.50 Mt.
	17. submergence Area at F.T.L.	2.0918 M. Sgm.	2.0918 M. Sgm.
C	Canals		
	L.M.C.		
	1. Sluice sill level RL	304.34 M.	304.34 M.
	2. Size of Sluice Gate	0.91x0.60 M.	0.91x0.60 M.
	3. Design discharge at head	0.27 Cumecs	0.2831 Cumecs
	4. G.C.A.	365.20 Hect.	365.20 Hect.
	5. C.C.A.	262.40 Hect.	262.40 Hect.
	6. I.C.A.	183.60 Hect.	183.68 Hect.
	7. Length of Canal	4115 M. ✓	3900 m ✓
	R.M.C.		
	1. Sluice sill level RL	304.34 M.	304.34 M.
	2. Size of Sluice Gate	0.91x0.60 M.	0.91x0.60 M.
	3. Design discharge at head	0.386 Cumecs	0.4139 Cumecs
	4. G.C.A.	565.60 Hect.	657.84 Hect.
	5. C.C.A.	372.40 Hect.	464.32 Hect.
	6. I.C.A.	260.40 Hect.	325.02 Hect.
	7. Length of Canal	4115 M. ✓	4800 m ✓
	Minor of RMC		
	1. Design discharge at head		0.2496 Cumecs
	2. G.C.A.		331.60 Hect.
	3. C.C.A.		240.40 Hect.
	4. I.C.A.		168.28 Hect.
	5. Length of Canal		1950 m

S.No.	Particulars	As per sanctioned DPR	As per Estimate
D	GENERAL	930.80 Hect.	1023.04 Hect.
1	Total G.C.A.	634.80 Hect.	726.72 Hect.
2	Total C.C.A.	444.00 Hect.	508.70 Hect.
3	Total I.C.A.		


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