CHAPTER - 4

Irrigation

4.1. Irrigation Potential Utilisation

Irrigation plays a significant role in poverty reduction and economic growth. State Government is giving high priority to Irrigation Development. The state has a cultivated land of 61.80 lakh hectares. It has been assessed that 49.90 lakh hectares can be brought under irrigation coverage through major, medium and minor (flow & lift) irrigation projects.

Irrigation development has not made much head way in the state in the pre-independence era. Hardly 1.83 lakh hectares of irrigation facilities were created. After introduction of Five Year Plan by Govt. of India in 1951, attempts were made for rapid harnessing of water resources and much emphasis was laid to accelerate the irrigation development. A good number of major, medium and minor irrigation projects have been constructed in the state during last six decades, there by increasing irrigation facilities from 1.83 lakh hectares in 1951 to 43.07 lakh hectares in 2020. The irrigation facilities created through different sources are given below.



Irrigation facilities created as of March 2020 (Lakh ha.)



Irrigation Potential Utilization

The irrigation potential created and utilised since 2000-01 is given in the following table. The gap between potential created and utilised is attributed to many factors, but the main reasons are defunct LIPs, MIPs, deterioration of distribution systems of irrigation projects. Initiatives have been taken to minimize the gap between potential created and utilised. Canal system improvement works in some of the major and medium irrigation projects were completed through different schemes. At present following schemes are being implemented to minimize the gap between potential creation and utilisation.

• State funded Canal Lining and System Rehabilitation Programme (CLSRP) and RIDF

funded by NABARD are being implemented for canal system improvement works of major, medium and minor irrigation projects.

• "Revival of defunct LIPs"

Commenced to revieve defunct LIPs.

- Canal system improvement work of 11major and medium irrigation projects and 1400 lift Irrigation projects are also being implemented under ADB funded Odisha Integrated Irrigated Agriculture and Water Management and Investment Projects (OIIAWMIP).
- In-addition to above, CAD & WM works have been scaled up in different major and medium Irrigation projects to minimize the gap.

Year	Irrigation Potential Created (Th. Ha.)			Irrigation Potential Utilized (Th. Ha.)			⁰⁄₀ of
	Khariff	Rabi	Total	Khariff	Rabi	Total	Utilisation
2000-01	2533.83	1071.99	3605.82	1589.88	535.84	2125.72	58.95%
2001-02	2554.26	1117.63	3671.89	1752.27	793.64	2545.91	69.34%
2002-03	2608.59	1123.75	3732.34	1246.81	465.21	1712.02	45.87%
2003-04	2674.12	1161.21	3835.33	1737.49	780.87	2518.36	65.66%
2004-05	2707.27	1266.22	3973.49	1845.79	844.87	2690.66	67.72%
2005-06	2731.50	1294.92	4026.42	1922.70	1042.79	2965.49	73.65%
2006-07	2720.46	1318.52	4038.98	2001.98	1147.47	3149.45	77.98%
2007-08	2765.73	1342.06	4107.79	2027.00	1281.46	3308.46	80.54%
2008-09	2867.01	1407.18	4274.19	2081.13	1096.03	3177.16	74.33%
2009-10	2962.21	1476.81	4439.02	2058.85	979.67	3038.52	68.45%
2010-11	3035.85	1477.97	4513.82	2085.21	1020.70	3105.91	68.81%
2011-12	3089.34	1501.43	4590.77	2078.90	1009.18	3088.08	67.27%
2012-13	3130.51	1573.56	4704.07	2186.86	1178.73	3365.59	71.55%
2013-14	3352.94	1651.79	5004.73	2253.67	1267.35	3521.02	70.35%
2014-15	3457.47	1696.56	5154.03	2327.00	1134.00	3461.00	67.15%
2015-16	3670.91	1803.48	5474.39	2241.41	1052.94	3294.35	60.17%
2016-17	3802.12	1806.52	5608.643	2422.41	1188.843	3611.253	64.39%
2017-18	4047.296	1869.260	5916.556	2262.35	1180.40	3442.75	58.19%
2018-19	4189.25	1911.62	6100.87	2591.66	1307.38	3899.04	63.91%
2019-20	7265.18	1920.49	6185.67	2694.10	1186.00	3880.10	62.00%

Table - 4.1.1Status of Irrigation Potential Created & Utilised

Source: Odisha Agriculture Statstics

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