

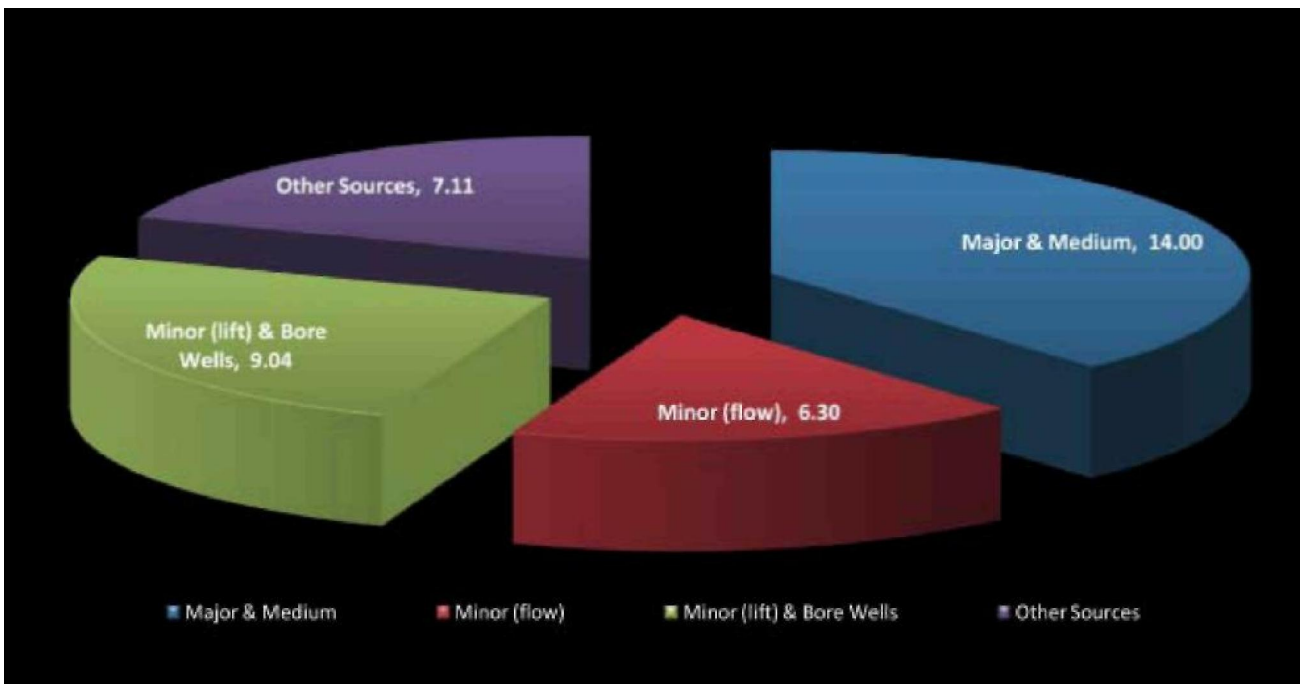
Irrigation

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 headway 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 36.47 lakh hectares in 2016. The irrigation facilities created through different sources are given below.

Irrigation facilities created as of March 2016 (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 minimise 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.

- A new scheme “Revival of defunct LIPs” commenced to revive defunct LIPs.

Odisha Community Tank Management Project (OCTMP) funded by World Bank and RR&R funded by Government of India are being implemented for rehabilitation / modernisation of derelict / partly derelict MIPs.

Canal system improvement work of 11 major 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 minimise the gap.

Table - 4.1 Status of Irrigation Potential Created & Utilised

Year	Irrigation Potential Created (Th. Ha.)			Irrigation Potential Utilized (Th. Ha.)			% of Utilisation
	Khariff	Rabi	Total	Khariff	Rabi	Total	
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%

* Odisha Agriculture Statistics

1. Major & Medium Irrigation Sector

It has been assessed that 31.30 lakh hectares cultivable land can be brought under irrigation through major & medium irrigation projects. By end of March 2016, irrigation facilities of 14.00 lakh

hectares has been created. At present 20 major & medium irrigation projects to provide irrigation to 4.38 lakh hectares are in progress. Following table represents the status of ongoing major and medium irrigation projects in the state as on 31.03.2016.

Table - 4.2 Status of Ongoing Projects

Sl. No.	Name of the Projects	Financial (in Crore)			Irr. Potential Status (Th. Ha.)			Target year of completion
		Latest Cost	Total Expdr by 03/2016	Balance Cost	Designed	Total Potential Created by 03/2016	Balance Potential	
A	Major Irr. Projects							
1	Subarnarekha	3898.44	2977.48	920.96	67.40	35.73	31.67	Jun-19
2	Rengali RBC	1962.33	1247.32	715.01	84.41	16.47	67.94	Mar-20
3	Lower Indra	1624.49	1383.68	240.81	29.90	18.56	11.34	Jun-18
4	Lower Suktel	1041.81	628.97	412.84	23.50	0.00	23.50	Mar-20
5	Anandapur	1603.40	793.96	809.44	60.00	0.00	60.00	Dec-19
6	Kanupur	1801.25	1295.41	505.84	29.58	0.00	29.58	Dec-19
7	Rengali LBC	2594.69	441.51	2153.18	39.42	0.00	39.42	Mar-22
8	MCII	395.46	263.22	132.24	15.34	9.41	5.93	Mar-19
	Sub-Total (A)	14921.8	9031.55	5890.32	349.55	80.17	269.38	
B	Medium Irr. Projects							
9	Telengiri	613.71	486.57	127.14	9.95	0.00	9.95	Jun-18
10	Ret	433.39	252.57	180.82	8.50	0.00	8.50	Jun-18
11	Cheligada	207.01	141.35	65.66	3.80	0.00	3.80	Mar-20
12	Rukura	256.09	235.25	20.84	5.75	0.00	5.75	Jun-17
13	Deo**	375.75	172.48	203.27	9.90	0.00	9.90	Mar-19
14	Manjore**	417.56	275.77	141.79	6.78	4.30	2.48	Mar-19
15	Mahendranaya**	77.82	18.50	59.32	2.00	0.00	2.00	Mar-19
16	Hadua**	323.23	42.65	280.58	3.95	0.00	3.95	Mar-20
17	Baghalati**	186.13	165.41	20.72	6.22	6.00	0.22	Mar-18
18	Rajua**	35.27	13.37	21.90	2.69	0.00	2.69	Mar-18
	Sub-Total (Med)	2925.96	1803.92	1122.04	59.54	10.30	49.24	
	Total (A+B)	17847.8	10835.47	7012.36	409.09	90.47	318.62	
C	M. I. Projects(168)	230.00	12.00	218.00	35.30	0.00	35.30	Mar-19
	G.Total	18077.8	10847.47	7230.36	444.39	90.47	353.92	

** cost to be approved by State TAC

2. Minor Irrigation (Flow)

It has been assessed that 9.70 lakh hectares of cultivable land can be provided irrigation facilities through minor (flow) projects. By end of March 2016, irrigation facilities has been created in 6.30 lakh hectares. MI organisation of DOWR is looking after construction, operation and maintenance of Minor Irrigation (flow) projects with irrigation command area more than 40 hectares. The MIPs with irrigation command area less than 40 hectares are looked after by Panchayati Raj Department.

3. Lift Irrigation

It has been assessed that 8.90 lakh hectares of cultivable land can be provided irrigation facilities through micro Lift Irrigation Projects. By end of March 2016, irrigation facilities of 6.34 lakh hectares has been created. Besides, irrigation facilities of 2.70 lakh hectares created through recently launched Bore well and Jananidhi-II Programmes.

Schemes / Programmes

Following Schemes / Programmes are being implemented for irrigation development.

- ◆ ❖ Accelerated Irrigation Benefit Programme AIBP).
- ❖ Rural Infrastructure Development Fund (RIDF).
- ❖ Biju Krushak Vikash Yojana (BKVY) .
- ❖ Japan International Co-operation Agency (JICA)
- ❖ Odisha Integrated Irrigated Agriculture and Water Management Investment Programme (OIIAWMIP)
- ❖ Odisha Community Tank Management Project (OCTMP)
- ❖ Dam Rehabilitation and Improvement Project (DRIP)
- ❖ Check Dam construction programme.
- ❖ Deep Bore-well irrigation programme.
- ❖ Repair, Renovation, Restoration of water bodies. (RR&R)
- ❖ Megalift Construction Programme.
- ❖ Canal Lining & System Rehabilitation Programme (CLSRP)
- ❖ Revival of defunct LIPs.



Rukura Spillway