



**GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES**

ANNUAL REPORT 2016-17

OF

**MAHANADI SOUTH DIVISION,
CUTTACK**

**EXECUTIVE ENGINEER
MAHANADI SOUTH DIVISION,
CUTTACK**

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SALIENT FEATURES OF MAHANADI SOUTH DIVISION

A) LOCATION

State	: Odisha
District	: Cuttack & Jagatsinghpur
Latitude	: 17 ⁰ 31"
Longitude	: 81 ⁰ 27"

B) CANAL SYSTEM

Taladanda Main Canal (from Jobra to Paradeep)	: 83.240Km.
Disty. Of Minors & Sub-Minors	: 516.28Km.

C) DISTRICT WISE CANAL LENGTH

Cuttack	: 155.414Km.
Jagatsinghpur	: 444.111Km.

D) DISTRICT WISE AYACUT

Cuttack	: 6056.475 Ha.
Jagatsinghpur	: 24626.447 Ha.

E) DISTRICT WISE EMBANKMENT

Cuttack	: 123.56Km.
Jagatsinghpur	: 400.68Km.

JURISDICTION

The jurisdiction of Mahanadi South Division extends from Chahata in Cuttack District to Chaumuhani at Paradeep of Jgatsinghpur District bounded by Mahanadi and Paika on left side and Kathajori and Hansua on right side. The following rivers are flowing under the jurisdiction of this Division.

1. River Mahanadi from Chahata to Paradeep.
2. River Kathajori from Chahata to Kaijanga.
3. River Surua (Branch of Kathajori) from Cuttack to Kaijanga.

EMBANKMENT :

There are 123.56 Km. of river embankment in Cuttack District and 149.51Km. river embankment, 209.65 Km of Saline Embankment and 41.52 Km. of TR Embankment in Jagatsinghpur District. All these embankments are maintained by this Division.

The District-wise details of Embankments are given below:

A. Cuttack District :

1	Mahanadi right embankment from Chahata to Bankal including 5 Nos of Gherry Bundh	46.76	Kms
2	Kathajori left embankment from Chahata to Kaijanga including one No Gherry Bundh.	25.60	Kms
3	Kathajori right embankment from Jhinkiria to Chanduli	15.00	Kms
4	Surua left embankment from Jhinkiria to Chanduli (Bayalish Mauza Island.)	16.00	Kms
5	Sukpaika right embankment from Ayatpur to Kulasahi.	20.20	Kms
	Total	123.56	Kms

B. Jagatsinghpur District :

1	Mahanadi right embankment from Kulasahi to Musadiha including 5 Nos of Gherry Bundh.	58.83	Kms.
2	Mahanadi left embankment from Kishnanandapur to Sarali.	25.35	Kms.
3	Hansua left embankment from Jaypur to Badapal	26.05	Kms.
4	Paika right embankment from Krishnanandapur to Sarali	27.85	Kms.
5	Paika left embankment from Ergari to Anupalla	11.43	Kms.
	Total	149.51	Kms

SALINE EMBANKMENTS IN JAGATSINGHPUR DISTRICT:

1	Saline embankment from Badapal to Nagarighat on Saunlia left	15.46 Km.
2	Saline embankment from Badapal to Nagarighat on Saunlia right	14.90 Km.
3	Saline embankment from Erasama to Nagarighat	5.90 Km.
4	Saline embankment from Japabhuyan to Dhobei	27.00 Km.
5	Saline embankment from Irribina to Guamunda	14.20 Km.
6	Saline embankment from Irribina to Mahimadeipur	2.20 Km.
7	Saline embankment on Garadamal Drainage Cut.	1.10 Km.
8	Saline embankment from Baragudipada to Khatikulda	22.60 Km.
9	Harishpur Saline Gherry (West)	15.80 Km.
10	Harishpur Saline Gherry (East)	15.60 Km.
11	Saline Embankment from Ambiki to Kankan	13.68 Km.
12	Ramatara Saline Gherry	7.20 Km.
13	Saline embankment from Nagarighat to Ambiki	4.20 Km.
14	Saline embankment from Fatepur to Guamunda	13.58 Km.
15	Saline embankment from Guamunda to Nuaratanpur	2.48 Km.
16	Saline embankment from Trilochanpur to Gadakujanga	11.95 Km.
17	Jokar Saline Embankment	5.00 Km.
18	Bhuyanpal Saline Embankment	4.50 Km.
19	Saline embankment from Jhimani to Bhitargarh	4.00 Km.
20	Haladipani Afflux Saline Embankment	5.00 Km.

Total = 209.65Km.

T.R. EMBANKMENT :

1	T.R.E from Irribina to Madhuaganda on Basulai left	1.68 Km.
2	T.R.R from Irribina to Madhuaganda on Basulai right	1.20 Km.
3	Japa Afflux Band from Irribina to Chandapur	2.50 Km.
4	Japa Afflux Bund from Chandapur to Japa on Tigiria left	5.00 Km.
5	Japa Afflux Bund from Chandapur to Japa on Tigiria right	5.00 Km.
6	T.R.E from Erasama to Kimilo	4.90 Km.
7	T.R.E from Dharijan to Dalua Timinda	6.50 Km.
8	T.R.E from Ghosaghat to Patua	8.00 Km.
9	T.R.E from Sahadabedi to Garadamal	2.50 Km.
10	T.R.E on Kalabedi Gherry	1.20 Km.
11	T.R.E Kadalighana Gherry left bank	1.44 Km.
12	T.R.E Kadalighana Gherry right bank	1.60 Km.
Total =		<u>41.52 Km.</u>

CREEK IRRIGATION PROJECT :

1. Japa Creek Irrigation Project over Tigiria
2. Pachera Creek Irrigation Project over Basuli Nai
3. Nagarighat Creek Irrigation Project over Saunlia
4. Guneimuhan Creek Irrigation Project over Alaka river
5. Haladipani Creek Irrigation Project over Mahanga Nallah.
6. Patua creek Irr. Project on Sankha
7. Bagadi creek Irr. Project on Sankha

DETAILS OF EMBANKMENTS OF CUTTACK DISTRICT

SI No	Name of Embankments	Type and Length of embankment (In Km.)				
		City Protective Embankment.	Capital Embankment	Other Agricultural Embankment	Test Relief Embankment	Total Embankment
1	2	3	4	5	6	7
1	C.P.E No. 79(A) on Mahanadi right from Chahata to Leper Ashram.	9.600	-	-	-	9.600
2	C.E No. 78(A) on Mahanadi right from Leper Ashram to Chhotadokan.	5.000	-	-	-	5.000
3	C.E No. 78(A) on Mahanadi right from Chhotadokan to Ayatpur	-	6.870	-	-	6.870
4	C.E No. 78(A) on Mahanadi right from Ayatpurt to Bankal.	-	23.110	-	-	23.110
5	C.E No. 83(B) on Kathajori left from Chahata to Matagajapur	14.250	-	-	-	14.250
6	C.E No. 85(B) on Kathajori left from Matagajapur to Kaijanga.	-	10.25	-	-	10.25
7	O.A.E No. 94(B) on Kathajori right from Bayalishmouza Bridge (Jhinkiria) to Chanduli.	-	-	15.000	-	15.000
8	O.A.E No. 95(B) O.A.E on Surua left from Bayalishmouza Bridge (Jhinkiria) to Chanduli.	-	-	16.000	-	16.000
9	O.A.E Sukpaika right embkt. from Ayatpur to Kamarpada.	-	-	6.200	-	6.200
10	O.A.E Sukpaika right embkt. from Bodar to Kulasahi.	-	-	14.000	-	14.000
11	Poparada Gherry on Kathajori left.	-	-	1.100	-	1.100
12	Barda Gherry on 78(A) on Mahanadi right at RD 14.32 Km.	-	-	0.510	-	0.510
13	Damodarpur Gherry of C.E No. 78(A) on Mahanadi right at RD 12.100 Km.	-	-	0.540	-	0.540
14	Barda Patra sahi T.R.E on 78(A) on Mahanadi right at RD 15.320 Km.	-	-	-	0.500	0.500
15	Brahmankhanda Gherry on 78(A) on Mahanadi right at RD 32.57 Km.	-	-	-	0.630	0.630
	Total	28.85	40.23	53.350	1.130	123.56

DETAILS OF EMBANKMENTS OF JAGATSINGHPUR DISTRICT

SI No	Name of Embankment	Type and Length of embankment (In Km.)					Total
		City Protective Embankment	Capital Embankment	Other Agricultural Embankment	Test Relief Embankment	Saline Embankment	
1	2	3	4	5	6	7	8
1	C.E No.78(A) on Mahanadi right from Kulasahi to Tarapur.	-	4.200	-	-	-	4.200
2	C.E No.78(A) on Mahanadi right from Tarpur to Tirtol.	-	12.800	-	-	-	12.800
3	C.E No.78(A) on Mahanadi right from Tirtol to Pankpal.	-	11.200	-	-	-	11.200
4	C.E No.78(A) on Mahanadi right from Pankpal to Singitali.	-	17.700	-	-	-	17.700
5	O.A.E No.77(B) O.A.E on Mahanadi left embkt. from Krishnanandapur to Sarali. (Sanabalikani.)	-	-	25.350	-	-	25.350
6	O.A.E No. 62(B) O.A.E on Paika right embkt. from Krishnanandapur to Sarali.	-	-	27.850	-	-	27.850
7	O.A.E No.61(B) O.A.E on Paika left embkt. from Eragari to Anupalla.	-	-	11.430	-	-	11.430
8	O.A.E on Hansua left embkt. from Jaipur to Badapala from RD 41.60 to 67.60 Km.	-	-	26.050	-	-	26.050
9	Malhasahi Gherry on Mahanadi right	-	-	1.500	-	-	1.500
10	Teramanpur Gherry on Mahanadi right at RD 59.40 Km.	-	-	2.500	-	-	2.500
11	Badapal Gherry on Mahanadi right at RD 63.10 Km.	-	-	0.300	-	-	0.300

SI No	Name of Embankment	Type and Length of embankment (In Km.)					Total
		City Protective Embankment	Capital Embankment	Other Agricultural Embankment	Test Relief Embankment	Saline Embankment	
1	2	3	4	5	6	7	8
12	Phulberei Gherry on Mahanadi right at RD 78.60 Km.	-	-	0.700	-	-	0.700
13	C.E No. 78(A) on Mahanadi right from Singitali to Musadiha.	-	5.600	-	-	-	5.600
14	O.A.E from Udayabata to Bijayachandrapur.	-	-	2.33	-	-	2.33
15	Saline embankment from Badapal to Nagarighat on Saunlia left	-	-	-	-	15.46	15.460
16	Saline embankment from Badapal to Nagarighat on Saunlia right	-	-	-	-	14.90	14.900
17	Saline embankment from Erasama to Nagarighat	-	-	-	-	5.90	5.900
18	Saline embankment from Japabhuyan to Dhobei	-	-	-	-	27.00	27.000
19	Saline embankment from Irribina to Guamunda	-	-	-	-	14.20	14.200
20	Saline embankment from Irribina to Mahimadeipur	-	-	-	-	2.20	2.200
21	Saline embankment on Garadamal Drainage Cut.	-	-	-	-	2.20	2.200
22	Saline embankment from Baragudipada to Khatikulda	-	-	-	-	22.60	22.600
23	Harishpur Saline Gherry (West)	-	-	-	-	15.80	15.800
24	Harishpur Saline Gherry (East)	-	-	-	-	15.60	15.600

SI No	Name of Embankment	Type and Length of embankment (In Km.)					Total
		City Protective Embankment	Capital Embankment	Other Agricultural Embankment	Test Relief Embankment	Saline Embankment	
1	2	3	4	5	6	7	8
25	Saline Embankment from Ambiki to Kankan	-	-	-	-	13.68	13.680
26	Ramatara Saline Gherry	-	-	-	-	9.40	9.400
27	Saline embankment from Nagarighat to Ambiki	-	-	-	-	4.20	4.200
28	Saline embankment from Fatepur to Guamunda	-	-	-	-	13.58	13.580
29	Saline embankment from Guamunda to Nuaratanpur	-	-	-	-	2.48	2.480
30	Saline embankment from Trilochanpur to Gadakujanga	-	-	-	-	11.95	11.950
31	Jokar Saline Embankment	-	-	-	-	5.00	5.000
32	Bhuyanpal Saline Embankment	-	-	-	-	4.50	4.500
33	Saline embankment from Jhimani to Bhitargarh	-	-	-	-	4.00	4.000
34	Haladipani Afflux Saline Embankment	-	-	-	-	5.00	5.000
35	T.R.E from Irribina to Madhuaganda on Basulai left	-	-	-	1.68	-	1.680
36	T.R.R from Irribina to Madhuaganda on Basulai right	-	-	-	1.20	-	1.200
37	Japa Afflux Band from Irribina to Chandapur	-	-	-	2.50	-	2.500

SI No	Name of Embankment	Type and Length of embankment (In Km.)					Total
		City Protective Embankment	Capital Embankment	Other Agricultural Embankment	Test Relief Embankment	Saline Embankment	
1	2	3	4	5	6	7	8
38	Japa Afflux Bund from Chandapur to Japa on Tigiria left.	-	-	-	5.00	-	5.000
39	Japa Afflux Bund from Chandapur to Japa on Tigiria right	-	-	-	5.00	-	5.000
40	T.R.E from Erasama to Kimilo	-	-	-	4.90	-	4.900
41	T.R.E from Dharijan to Dalua Timinda	-	-	-	6.50	-	6.500
42	T.R.E from Ghosaghat to Patua	-	-	-	8.00	-	8.000
43	T.R.E from Sahadabedi to Garadamal	-	-	-	2.50	-	2.500
44	T.R.E on Kalabedi Gherry	-	-	-	1.20	-	1.200
45	T.R.E Kadalighana Gherry left bank	-	-	-	1.44	-	1.440
46	T.R.E Kadalighana Gherry right bank	-	-	-	1.60	-	1.600
	Total	-	51.24	98.27	41.52	209.65	400.68

ABSTRACT OF EMBANKMENTS

District	City Protective Embkts.	Capital Embks.	O.A.E	T.R.E	Saline Embkt.	Total (in Km.)
Cuttack	28.85	40.23	53.35	1.130	-	123.56
Total	28.85	40.23	53.35	1.130	0	123.56
Jagatsinghpur	-	51.24	98.27	41.52	209.65	400.68
Total		51.24	98.27	41.52	209.65	400.68
Grand Total =	28.85	91.47	151.62	42.65	209.65	524.24