



GOVERNMENT OF ODISHA

WATER RESOURCES DEPARTMENT.

DETAILED HEALTH STATUS OF THE EXISTING RIVER/SALINE  
EMBANKMENT OF KENDRAPARA DISTRICT

UNDER

KENDRAPARA IRRIGATION DIVISION, KENDRAPARA

**FOR 2022.**

Superintending Engineer  
Kendrapara Irrigation Division

## DETAIL HEALTH STATUS OF THE EXISTING RIVERSALINE EMBANKMENTS

**NAME OF THE DIVISION :- KENDRAPARA IRRIGATION DIVISION, KENDRAPARA.**

Sl. No.	Name of the Embankment	Category of the Embankment				Length in Km	Name of the Basin	Name of the River	District	Reach	Status of the Embankment (Reach wise)							Brief description about deficiency in parameters
		C.E.	O.A.E	T.R.E	S.E.						TBL "m" Existing Design	Side Slope Existing Design	Top width "m" Existing Design	Revetment "m" with location	Spur in Nos with location			
1	C.E.No.44 (A) Nuna left embankment RD 42 to 86.716 Km.	C.E.	-	-	-	14.000	Mahanadi	Nuna	Cutrack Kendrapara	RD 42.00 to 56.00 Km.	(12.80 to 10.00 ) (12.80 to 10.00)	1.5:1/1.5:1	6.50 3.70	5724M Inbetween RD 42.300 to 43.00 & 44.820 to 45.226 Km, 46.904 to 47.413 Km. & 50.30 Km to 56.00 Km Completed.	6 nos spur at RD 49.800, 49.900, 50.00 & 50.100, 50.200, & 50.300 Km. & 6 nos new spur at RD 49.10, 19.20, 49.30, 54.57, 54.67, 54.77 Km	The entire embankment length has been strengthened to the 2011 flood ESL +1.20 Mtr free board.		
2	Idgha Embankment Gobari right.	OAE	-	-	-	2.000	Mahanadi	Gobari	Kendrapara	00 to 2.00 Km.	7.75 to 7.29 8.42 to 6.80	1.5:1 1.5:1	6.50 3.70	4000 Mtr (RD 59.00 Km, to 63.00 Km, old damage spur at RD 67.300, 67.375, 67.450, 67.525 & RD 67.225 Km	3 nos new spur at RD 60.330, 60.430, & 60.530 Km Anos			

Sl. No.	Name of the Embankment	Category of the Embankment			Length in Km	Name of the Basin	Name of the River	District	Reach	Status of the Embankment (Reach wise)						Brief description about deficiency in parameters
		C.E.	O.A.E	T.R.E						S.E.	TBL "m" Existing Design	Side Slope Existing Design	Top width "m" Existing Design	Revetment Packing "m" with location	Spur in Nos with location	
1																
2																
3	Hazaribagicha to Nagpura.		OAE				Kendrapara	00 to 1.70 Km.	5.50 / 5.50	1.5:1	5.00 / 3.70	2.90 to 3.05 m Packing 4.30 to 4.45 M & near 6.20KM				
4	Embankment near village Forada		OAE		1.400	Mahanadi	Kendrapara	7.73km TO 9.13KM	4.80 to 3.70	1.5:1	5.00 / 3.70	RD 8.98 to 9.12km	4 Nos new spur at RD 8846, 8876, 8906 & 8936M.	1 No. new spur at RD 8966M Under construction.		
5	Gobari right embankment near Jamboo			SE	1.000	Mahanadi	Gobari	Kendrapara	00 to 1.00 Km.	4.50 / 4.50	1.5:1 / 1.5:1	5.00 / 3.70				
					<b>Total :-</b>											
									<b>50.816</b>							

Assistant Engineer  
Kendrapara Irr. Section  
KENDRAPARA

Asst. Executive Engineer  
Kendrapara Irr. Sub-Division  
Kendrapara

TAHASILDAR  
MARSHAGHAI

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TAHASILDAR  
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Superintending Engineer  
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## DETAIL HEALTH STATUS OF THE EXISTING RIVERSALINE EMBANKMENTS

NAME OF THE DIVISION :- KENDRAPARA IRRIGATION DIVISION, KENDRAPARA.

Name of Sub-Division:- Patkura Irrigation Sub-Division. (Kendrapara District)

Sl. No.	Name of the Embankment	Category of the Embankment				Length in Km	Name of the Basin	Name of the River	District	Reach	Status of the Embankment (Reach wise)						
		C.E.	O.A.E	T.R.	S.E.						TBL "m"	Side Slope	Top width "m"	Revetment Packing "m"	Spur in Nos	Brief description about deficiency in parameters	
1	Chitrotpala right embankment from Biswanathpur to Kunarpal from RD 31.100 to 65.150 Km.	C.E.	-	-	-	34.050	Mahanadi	Chitrotpala	Kendrapara Cuttack	RD 31.100 to 65.15 Km	13.82 to 7.40 M 13.18 to 7.29	1.5:1 1.5:1	6.00 M 3.70 M	30.350 Km to 31.300 Km = 770 Mtr (Near village Biswanathpur & Kankada.) 51.200 to 51.400 near Patkura .55.850 to 58.915 Km, RD 56.100 to 56.300 Km & 60.400 to 60.600 Km. RD 45.900 to 46.50 & 48.600 to 48.700 Km.	Spur= 6nos RD 29.825 M to 30.325 M, RD 63.615, 63.701, 63.731, 63.761, 63.820 & 63.895, High level spur 5 nos at RD 55.400, 55.650, 55.735, 55.760, & 55.850	Launching Packing from RD 50.700 to 51.250 Km & 6 nos Spur at RD 50.730, 50.800, 50.890, 50.980, 51.070, 51.160 Km under construction.	
2	Paika left embankment from RD 00 to 14.484 Km.	C.E.	-	-	-	14.484	Mahanadi	Paika	Kendrapara	RD 00 to 14.00 Km	12.18 to 10.05 11.45 to 10.05	1.5:1 1.5:1	5.00 3.70	RD 00 to 3.800, 4.00 to 4.950, 5.00 to 5.900, 7.280 to 13.725	7 nos Spur at RD 7.650, 7.750, 7.850, 7.950, 4.700, 4.850, 4.900 Km		
3	Mahanadi left from Mahanagal a to Expressway & Expressway to Gadarmitto.	-	OAE	-	-	10.480	Mahanadi	Mahanadi	Kendrapara	RD 00 to 10.480 Km.	6.25/6.25	1.5:1 1.5:1	5.55 3.70	2nos Spur from RD 10.700 & 10.800 Km.			

*Preema Lata Sahy*

Sarapanch

Karanja Garm Panchayat

Sl. No.	Name of the Embankment	Category of the Embankment			Length in Km	Name of the Basin	Name of the River	District	Reach	Status of the Embankment (Reach wise)						Brief description about deficiency in parameters
		C.E.	O.A.E	T.R.						S.E.	TBL "m" Existing Design	Side Slope Existing Design	Top width "m" Existing Design	Revetment Packing "m" with location	Spur in Nos with location	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
4	Kodakan gherry from Khursia to Kodakan.	-	OAE	-	-	5.200	Mahanadi	Mahanadi	Kendrapara	00 to 5.20	5.68	1.5:1	3.70	RD 00 to 5.200 Km. = 5200 Mtr.	8 nos spur at RD 0.200, 0.750, 0.990, 1.200, 0.310, 0.530, 1.425 & 1.665 Km.	
5	Raipur gherry, bundha.	-	-	T.R.	-	0.700	-do-	Paika	Kendrapara	00 to 0.700	5.30	1.5:1	3.30	-	2 nos Spur at RD 0.450 & 0.360 Km	
6	Paika left embankment (Kujanga Estate) from RD 00 to 9.36 Km.	-	OAE	-	-	9.360	Mahanadi	Paika	Kendrapara	00 to 9.36 Km	7.07	1.5:1	3.70	Lunching & packing 1.575 to 1.963 Km. at Batira. 5.730 to 6.510 at Tikhiri.	5 nos spur at 1.065, 1.165, 5.780, 5.870, 5.970 Km	Launching Packing from RD 0.875 to 12.390 Km. & Spurs at RD 1.015, 1.075, 1.165, 1.240, 1.315, 1.390 under construction.
7	Nuna right embankment Badapal to Gadarnitto from RD 00 to 20.80 Km.	-	OAE	-	-	20.800	Mahanadi	Nuna	Kendrapara	RD 00 to 20.80 Km.	7.24 to 5.01	1.5:1	5.20	RD 3.02 Km to 3.15 Km. 3.50 Km to 4.281 Km And 20.00 to 20.800km = 0.80Km., 0.885 to 0.940, 2.275 to 3.021, 3.300 to 3.620, 5.925 to 6.425, 4.525 to 4.778, 2.100 to 2.275, 4.450 to 4.525, 4.778 to 4.960, 5.900 to 5.925, 6.425 to 6.450, 3.178 to 3.290, 10.920 to 11.280, 10.656 to 10.920, 11.020 to 11.050 18.660 to 19.275 Km. & 19.16 to 19.227 Km.	12 Nos Spur at RD 4.050, 7.400, 10.775, 10.850, 10.925, 11.00, 11.075, 11.150, 11.225, 11.300, 11.375 Km. & 3.300 Km.	

Pratyanika Samal  
Sarapanck  
Jeyachandrapur G P

Sl. No.	Name of the Embankment	Category of the Embankment			Length in Km	Name of the Basin	Name of the River	District	Reach	Status of the Embankment (Reach wise)							Brief description about deficiency in parameters
		C.E.	O.A.E	T.R.						S.E.	TBL "m"	Side Slope	Top width "m"	Revetment Packing "m" with location	Spur in Nos with location		
1																	
2																	
8	Dasamouzi gherry Left wing from RD 00 to 8.900 Km.	CE	-	-	-	8.900	Mahanadi	Nuna	Kendrapara	00 to 8.500 Km	8.005 to 6.09 7.30 to 5.35	1.5:1 1.5:1	5.50 3.70	RD 00 to 974 M, 550M to 1450M, 1470 to 1680 = 0.210 Km. Gopinathpur 2.190 to 2.342 Km.	12 nos spur at RD 0.555, 0.600, 0.660, 0.725, 0.790, 1.180, 1.230, 1.280, 1.345, 1.410, 3.900 & 4.100 Km.		
9	Dasamouzi gherry Right wing RD 00 to 10.25 Km.	CE	-	-	-	10.250	Mahanadi	Nuna	Kendrapara	00 to 10.925 Km	8.005 to 6.395 7.30 to 5.35	1.5:1 1.5:1	5.50 3.70	240 M to 360M, 3.50 to 3.830 = 0.330 Km near Badakul, RD 6.382 to 6.746 Km. 1.855 to 1.885.	5nos at RD 0.380, 3.90, 4.100, 6.310 & 6.370 Km.	Bed Bar at RD 1.840 & 1.870 Km. under construction.	
10	Nuna right embkt. From Jadupur to Ostar. RD 00 to 3.00 Km.	-	OAE	-	-	3.000	Mahanadi	Nuna	Kendrapara	00 to 3.00 Km.	-	1.5:1 1.5:1	4.00/3.70	-	-		
Total :-									117.224								

*Abhishek*  
30/4/22  
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Patkura Irr. Sub-Division  
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*20/11/22*  
Block Development Officer  
GARADPUR

*20/11/22*  
TAHASILDAR  
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*30/04/22*  
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*20/11/2022*  
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Patkura.

TAHASILDAR  
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Mohan Chawan Sakho  
Sarapancha Benikur G.P.

Sl. No.	Name of the Embankment	Category of the Embankment			Length in Km	Name of the Basin	Name of the River	District	Reach	Status of the Embankment (Reach wise)						Brief description about deficiency parameter
		C.E.	O.A.E	T.R.E						S.E.	TBL "m" Existing Design	Side Slope Existing Design	Top width "m" Existing Design	Revetment "m" with location	Spur in Nos with location	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
5	Mangalpur gherry RD 00 to 1.800 Km.	-	O.A.E	-	-	1.800	Mahanadi	Birupa	Kendrapara	RD 00 to 1800 M.	12.20 to 12.63 12.20	1:1.5	3.70	240 M packing at RD 300M & 400 M packing at RD 1100M.	-	No deficient of embankment observe
6	Indupur gherry RD 00 to 5.350 Km..	-	O.A.E	-	-	5.350	Mahanadi & Brahmani	Birupa & Brahmani	Kendrapara	RD 00 to 5.350 Km	12.20 to 11.24 m 12.20 to 11.33	1.5:1	5.00 3.70	945Mtr. from RD 245M to 1190Mtr.	6 nos low level spur at RD 245Mtr, 360, 485, 592, 877 & 1045Mtr.	No deficient of embankment observe
7	C.E.No.34 (b) A Brahmani right from RD 60.900 to 62.150 Km.	C.E.	-	-	-	1.25	Brahmani	Brahmani	Kendrapara	RD 60.900 to 62.150 Km.	12.00 to 11.80 12.00 to 11.80	1.5:1	6.50 3.70	-	-	No deficient of embankment observe
8	Gobari left at Baburampatra	-	OAE	-	-	1.000	Mahanadi	Gobari	Kendrapara	00 to 1.00 Km.	9.230 9.230	1.5:1	2.00 3.70	-	-	The top width has been restricted to non-availability Govt. land
9	Gobari left at Dianpatna.	-	OAE	-	-	1.000	Mahanadi	Gobari	Kendrapara	00 to 1.00 Km.	9.10 / 9.10	1.5:1	3.50 3.70	-	-	The top width has been restricted due to non-availability of Govt. land.
10	Gobari left Embankment from Nahanga to Gulnagar bridge.	-	OAE	-	-	9.500	Mahanadi	Gobari	Kendrapara	00 to 9.50 Km.	11.00 11.00	1.5:1	3.00 3.70	400m Packing at Gulnagar & 100 Mtr. packing at Raipur.	-	The top width has been restricted due to non-availability of Govt. land.



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		C.E.	O.A.E	T.R.E	S.E.						TBL "m" Existing Design	Side Slope Existing Design	Top width "m" Existing Design	Revetment Packing "m" with location	Spur in Nos with location		
1																	
11	Gobari right embankment near Sadanandapur	-	OAE	-	-	0.600	Mahanadi	Gobari	Kendrapara	00 to 0.60 Km.	5.80/5.80	1.5:1 1.5:1	1.50 3.70	00 to 600m packing.			The top width has been restricted due to non-availability of Govt. land.
<b>Total :-</b>						<b>39.140</b>											

*[Signature]*  
22/11/22  
Assistant Executive Engineer  
Derahishi Irr. Sub-Division  
Chinda

*[Signature]*  
22/01/22  
TANAJUJAN  
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Superintending Engineer  
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