

DETAIL HEALTH STATUS OF THE EXISTING RIVER/SALINE EMBANKMENTS

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

Detail Health Status embkt.

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	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Chitrotpala right embankment from Mohamadpur to Biswanathpur RD 28.590 to 31.10 & Biswanathpur to Kuanarpal. RD 31.10 to 65.15	-	O.A.E	-	-	36.560	Mahanadi	Chitrotpala	Kendrapara Cuttack	RD 28.590 to 65.15 Km	13.18 to 7.28 M 13.03 to 7.28	1.5:1 1.5:1	6.00 M 6.00 M	29.9 Km to 30.30 , 48.00 to 48.765 & 49.040 to 51.700 Km.	6 nos in Kuanarpal. RD 63.615 to 63.845 5 nos at RD 29.900 to 30.300 Km.	Raising & Strengthening work is near to comple by M/S OCC Ltd.
2	Paika left embankment from RD 00 to 14.484 Km.		OAE			14.484	Mahanadi	Paika	Kendrapara	00 to 14.00 Km	12.18 to 10.05 11.45 to 10.05	1.5:1 1.5:1	5.00 6.00			Raising & Strengthening work is near to comple by M/S OCC Ltd.
3	Mahanadi left from Mahanangala to Expressway & Expressway to Gadarmitto.		OAE			10.480	-do-	Mahanadi	-do-	RD 00 to 8.40 Km.	5.06 to 5.30 6.25 to 5.41	1.5:1 1.5:1	3.66 5.50			The 117th. TAC has been approved .The work will be taken up after receipt of funds Expressway to Gadarmitto 3.00 Km.road developed by RD Department. for all weather communication.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
4	Kodakan gherry from Khursia to Kodakan.				S.E.	5.800	-do-	Mahanadi	-do-	00 to 5.60	5.47 to 5.60 5.24 to 4.66	0.5:1 1.5:1	3.00 to 2.50 4.00 to 4.00		6nos spurs from RD0.200 to 1.200 Khursia	Defficiency in Design Top width, side slope is less than 0.5:1.50 M. To make it healthy the tender invited for Rs.24.99 Crores.
5	Raipur gherry. bundha.			T.R.E		0.800	-do-	Paika	-do-	00 to 0.700	5.40 to 5.10 5.30 to 5.23	1.5:1 1.5:1	3.00 4.00	-	-	Defficiency in Design Top width, Raising & Strengthening work is awarded to M/s OCC ltd.to make good .
6	Paika left embankment (Kujanga Estate) from RD 00 to 9.36 Km.		OAE			9.360	Mahanadi	Paika	Kendrapara	00 to 9.36 Km	6.30M to 5.06 7.07 to 6.25 Km.	2:1 2:1	3.66 6.00	-	-	Raising & Strengthening is required. The TAC cleared for Rs.8.29 Crores . The estimate prepared for sanction.
7	Chitrotpala right from Talasanga to Haladiagada RD 60.120 to 63.247 Km.		OAE			3.127	Mahanadi	Chitrotpala	Kendrapara	00 to 3.127	6.70 6.70	1:1.5 1:1.5	6.00 6.00	-	-	Maintained under RD Division as C.C. and B.T. Road.
8	Nuna right embankment Badapal to Gadarmitto from RD 00 to 20.80 Km.				SE	20.800	Mahanadi	Nuna	Kendrapara	RD 00 to 20.80 Km.	7.25 to 4.45 7.30 to 5.02	1.3:1 1.5:1	3.50 5.50	3.50 Km to 4.05 Km = 0.55 Km. And 20.00 to 20.800km = 0.80Km.	RD 10 Km to 10.500 = 5 nos	Defficiency in Design Section . The 118th. TAC has been approved the estimate prepared for sanction.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
9	Dasamouzi gherry Left wing from RD 00 to 8.900 Km.	-		-	SE	8.900	Mahanadi	Nuna	Kendrapara	00 to 8.500 Km	7.30 to 5.80 7.30 to 6.24	1.5:1 1.5 :1	5.50 to 3.00 5.50 to 5.50	1.470 to 1.680 = 0.210 Km. Gopinathpur	10 nos RD 0.555 to 1.410 Km.	. Raising Strengthening work is near to complete by M/s OCC Ltd.
10	Dasamouzi gherry Right wing RD 00 to 10.25 Km.	-		-	SE	10.250	Mahanadi	Nuna	Kendrapara	00 to 10.925 Km	7.30 to 5.60 7.30 to 5.86	1.5:1 1.5:1	5.80 to 4.50 5.50 to 5.50	3.50 to 3.830 =0.330 Km near Badakul	3nos at RD 0.485 Km 3.850,14.080Km.	. The work is in progress by M/s OCC Ltd. to attend design TBL and Top width.
11	C.E.No.44 (A) Nuna left from RD 30.150 to 42.00 Km.	C.E.	-	-	-	11.850	Mahanadi	Nuna	Cuttack & Kendrapara	RD 30.150 to 42.236 Km.	16.18 to 13.45 16.38 to 13.624	1:1 1:1.5	3.00 6.00	1100 M near Khandasahi & Lokanathpur.	8 nos low level spurs near Khandasahi & Danpur.	Defficiency in Design TBL , side slope & Top width. Raising and strengthening work is awarded to M/s OCC Ltd. Now the work is in progress
12	C.E.No.44 (A) Nuna left embankment RD 42 to 86.716 Km.	C.E.	-	-	-	44.716	Mahanadi	Nuna	Kendrapara	RD 42.100 to 56.00 Km.	12.70 to 9.90 12.80 to 10.00	1.1.50 1:2	6.00 6.50	1060M inbetween RD 42.300 to 43.00 & 44.820 to 45.226 Km & .48.550 to 49.00 Km.	3 nos spur at RD 50.100, 50.200, & 50.300 Km.	To makde good to the defficiency . The work is in progress by M/s OCC Ltd.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
										(i) RD 56 to 69 Km	9.50 to 7.75 10.00 to 7.20	2: 1 1.5:1	6.00 6.50	4000 Mtr (RD 59.00 Km, to 63.00 Km,	4 nos new spur at RD 60.230, 60.330, 60.430, & 60.530 Km 4nos old damage spur at RD 67.300, 67.375, 67.450, 67.525 & 1 new spur at RD 67.225 Km	Deficiency in Design TBL Raising & Strengthening work renovation of spurs work is awarded to M/s OCC Ltd.& work in progress.
										69.00 Km to 71.00 Km.	7.75 to 7.29 7.20 to 6.80	1.5 :1 1.5:1	6.50 6.50	-	-	
13	C.E.No.34(b) A Birupa right from RD 37.00 to 60.900 Km.	C.E.	-	-	-	23.90	Mahanadi	Birupa	Jajpur Kendrapara	RD 37.00 to 45.900	12.720 12.720 12.72 to 12.46 M.	1:1.5 1:1.5	6.50 6.50	-	-	No such deficiency is observed but the work is in progress by M/s OCC Ltd.
										RD 48.270 to 51.600 Km.	12.42 to 12.35 12.42to 12.35.	1:1 .5 1:1.5	5.50 6.00	90 mtr.slope packing near Saguna Ghai.	3 nos spur near Sagunaghai.	No such deficiency felt. Revetment packing may be required.
										RD 52.590 to 57.650 Km.	12.31 to 12.24 12.32 to 12.21	1:1.5 1:1.5	6.50 6.50	-	7 nos of old low level spurs at Palli.	To make good to the deficiency the old spurs need renovation and revetment packing.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
14	Benipur gherry RD 00 to 4800 M.	-	O.A.E	-	-	4.800	Mahanadi	Birupa	Jajpur	RD 00 to 2840	12.50 12.38 11.86 to 11.38	1:1 1.5:1	2.00 5.00	150 Mtr near Dekudi.	4 nos of old low level spurs.	Deficiency in Design TBL, side slope & top width . The work has already been sanctioned by 117th. TAC . Estimate prepared for sanction.
15	Mangalpur gherry RD 00 to 2.40 Km.	-	O.A.E	-	-	2.400	Mahanadi	Birupa	Kendrapara	RD 00 to 1800 M.	12.20 to 12.63 12.20	1:1:5 1:1.5	3.60 3.60	-	-	No such deficiency felt. Revetment packing may be required.
16	Indupur gherry RD 00 to 5.60 Km..	-	O.A.E	-	-	5.600	Mahanadi & Brahmani	Birupa & Brahmani	Kendrapara	RD 00 to 5.350 Km	12.20 to 11.24 m 12.20 to 11.33	1:1.5 1.5:1	5.00 5.00	242M in R/S from RD 00 to 38 , 70 to 81, 120-132 , 334-342 , 703-736 ,1870-1894, 1900-1927 2347-2355 ,2500-2514 ,4620-4646,4740-4750 & 5319-5350 15M in C/S from RD 126 to 134 & 4680-4687.	6 nos old low level spur near Habilisahi..	Deficiency in Design TBL is less than 1.77M. Design side slope is not available. Design Top width is less. The work is in progress.
17	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 11.94	1:1 1.5:1	6.50 6.50	-	-	To make good to the deficiency the embankment needs revetment packing.

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18	C.E.No.34(b) A Brahmani right from RD 62.150 to 80.50 Km.	C.E.	-	-	-	18.35	Brahmani	Brahmani	Kendrapara	62.15 to 69.25 Km.	8.93 to 8.84 10.30 to 9.59 M	1.5:1 2 : 1	3.00 6.50	470 M RD 63.120 to 63.59 Km	-	Deficiency in Design TBL side slope & Top width.The Rasing & Strengthening work under tendering process.
										69.25 Km to 76.4 Km.	8.84 to 8.41 9.59 to 8.88	1.5:1 2:1	3.50 6.50	200 M RD 71.200 Km to 71.400 Km	-	Deficiency in Design TBL side slope & Top width.The Rasing & Strengthening work under tendering process.
										76.40 Km to 80.50 km.	8.41 to 6.63 8.88 to 8.47	2:1 2 : 1	6.00 6.50	4000 M RD 59 to 63	4 nos new spur at RD 60.230, 60.330 60.430 & 60.530 Km..	Deficiency in Design TBL side slope & Top width.The Rasing & Strengthening work under tendering process.
19	Nilakanthapur Gherry. RD 00 to 2.480 Km.	-	O.A.E	-	-	2.480	Brahmani	Brahmani	Kendrapara	00 to 2.40 Km.	8.28 to 7.65 8.56 to 8.10 M	1.5:1 2 : 1	3.50 6.50	300 M RD00 to 50 M both side & 850 M to 1050M.	12 nos spur in between Nilakanthapur to Agadia village.	Deficiency in Design TBL side slope & Top width.After receiving of funds the work will be taken up.
20	Uttikan embankment RD 00 to 11.20 Km.	-	O.A.E	-	-	11.20	Brahmani	Brahmani	Kendrapara	00 to 11.40 Km.	7.09 to 5.90 7.12 to 6.42	1.5:1 1.5 : 1	4.50 5.00	-	9 nos spurs at Nimapur	Deficiency in Design TBL side slope& top width . The work is in progress.
21	Dampur gherry.RD 00 to 8.80 Km.	-	O.A.E	-	-	8.80	Brahmani	Brahmani	Kendrapara	00 to 8.70 Km.	5.60 to 5.70 6.77 to 6.14	1.5:1 2 : 1	4.50 5.00	-	-	Deficiency in Design TBL side slope& top width .
22	Nuapada Gherry			TRE		0.600	Mahanadi	Chitrotpala	Kendrapara	00 to 0.50 Km.	7.30 9.08	1:1 1.5:1	1.50 3.00	-	-	The work could not be taken up due to private land.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
23	Nuna right embkt. From Jadupur to Ostar RD 00 to 3.00 Km.		OAE			3.000	Mahanadi	Nuna	Kendrapara	00 to 3.00 Km.	-	-	-	-	-	Maintained under R&B Division as C.C. and B.T. village Road.
24	Panturi Saline gherry.				SE	7.000	Mahanadi	Gobari	Kendrapara	00 to 6.40 Km	<u>6.60</u> 6.65	<u>1:1</u> 1.5:1	<u>3.00 to 2.50</u> 3.00	2.00 to 2.10 Km Packing.	-	Defecency in design side slope the work is in progress.
25	Srirampur gherry.			TRE		3.240	Brahmani	Brahmani	Kendrapara	00 to 3.24 Km.	-	-	-	-	-	There is no embankment renovation required.
26	Gobari left at Baburampatna		OAE			1.000	Mahanadi	Gobari	Kendrapara	00 to 1.00 Km.	<u>9.230</u> 10.00	<u>1:1</u> 1.5:1	<u>1.5m</u> 3.00	-	-	Renovation work is required.
27	Gobari left at Dianpatna.		OAE			1.000	Mahanadi	Gobari	Kendrapara	00 to 1.00 Km.	<u>9.10</u> 10.00	<u>1:1</u> 1.5:1	<u>1.50</u> 3.00	-	-	Renovation work is required.
28	Aul Embankment from Nahanga to Gulnagar bridge.		OAE			9.500	Mahanadi	Gobari	Kendrapara	00 to 9.50 Km.	<u>11.00</u> 11.00	<u>1.5:1</u> 1.5:1	<u>3.00</u> 3.00	400m Packing at Gulnagar	-	-
29	Idgha Embankment Gobari right.		OAE			2.000	Mahanadi	Gobari	Kendrapara	00 to 2.00 Km.	<u>5.80</u> 6.00	<u>0.80:1</u> 1.5:1	<u>9.00</u> 10.00	00 to 700M Packing 1.50 to 7.75m Packing	-	Slope packing required for 1.75 to 2.00 Km.
30	Hazaribagicha to Nagpura.		OAE			3.100	Mahanadi	Gobari	Kendrapara	00 to 3.10Km.	<u>5.40</u> 5.50	<u>1.:1</u> 1.5:1	<u>3.50</u> 5.00	2.90 to 3.05 m Packing 4.30 to 4.45 M packing	-	Road work under IRC & IS work in progress. Slope packing required from RD 3.70 to 4.00 Km 00 to 180m slope packing near Kabarstan & 180 to 3.50 m near Chilkhana.

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31	Gobari right embankment near Sadanandapur		OAE			0.600	Mahanadi	Gobari	Kendrapara	00 to 0.60 Km.	<u>5.80</u> 6.00	<u>1:1</u> 1.5:1	<u>9.00</u> 10.00	00 to 600m packing.;		Renovation of existing packing.
32	Gobari right embankment near Jamboo				SE	1.000	Mahanadi	Gobari	Kendrapara	00 to 1.00 Km.	<u>3.50</u> 4.50	<u>1.5:1</u> 1.5:1	<u>5.00</u> 5.00	-	-	Raising Strengthening & packing required.
33	Birupa right of Sagunaghai gherry.		OAE			0.500	Mahanadi	Birupa	Kendrapara	00 to 0.50 Km.	<u>11.50</u> 12.50	<u>1:1</u> 1.5:1	<u>2.00</u> 3.00	-	-	Raising Strengthening required.
					Total :-	288.447										

Executive Engineer
Kendrapara Irrigation Division