

DETAIL STATUS OF THE EXISTING RIVER / SALINE EMBANKMENTS

NAME OF THE DIVISION NIMAPARA IRRIGATION DIVISION, NIMAPARA

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"	Side slope	Top Width "m"	Revetment packings "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	Kuakhai left Embankment from RD 00 to 11.00km	C.E	-	-	-	11.00	Mahanadi Basin	Kuakhai	Khordha	RD 00 to 11.00 km.	20.595/17.75	2:1	7.00	Packing =2910mtr.(RD 0-0.45km, 0.60 to 0.80, 1.07 to 1.33, 2.90-3.70, 7.90-8.50, 10.40-	10nos (within RD 3.69 to 4.23 km)	Design parameter - TBL-17.75 mtr, Top width 5.00 mtr.
2	Bhargabi Left Embankment from RD 00 to 11.00 km	C.E	-	-	-	11.00	Mahanadi Basin	Bhargabi	Khordha	RD 0-2.20Km	17.75 to 17.00	2:1	4.00	Packing= 1260mtr (0 to 1.260 km.)	Nil	Existing CC Road from 00 to 0.900km. Design parameter TBL -18.300m,
										RD 2.20-11.00 km	17.00/15.63	2:1	4.00	Packing - 1350mtr. (RD 3.50 to 7.00 km & 8.825 to 9.600 km.) and Launching with packing - 1450 m (RD 4.00 to 4.080 , .59-6.43, 6.84-7.05, 8.825-	Nil	Existing BT up to 8.75Km. Design TBL = 15.63m
	Bhargabi left Embankment fromk RD 11.00 to 37.80 km.	C.E.				1.00	Lower Mohanadi Basin	Bhargabi	Khordha	11.00 to 12.00km	15.40	1.5:1	3.00			Design parameter - TBL-15.90 mtr, Top width 3.60 mtr.
						2.00	-do-	-do-	Khordha	12.00km to 14.00 km	15.00	1.5:1	3.00	Packing= 300m (from RD12.500 km to 12.800km)		Design parameter - TBL-- 15.30 mtr Top width 3.60 mtr.
						3.50	-do-	-do-	Puri	14.00 to 17.500 km.	14.63	1.5:1	3.00			Design parameter- TBL-14.80 mtr, Top width 3.60 mtr.)
						3.25	-do-	-do-	Puri	17.500 to 20.75km.	14.30	1.5:1	3.00			Design parameter- TBL-14.30mtr, Top width 3.60 mtr.)

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
						4.00				20.75 to 24.750 km.	13.55	1.5:1	3.60			Design parameter - TBL-13.69 mtr, Top width 3.60 mtr.)
						5.10	-do-	-do-	Puri	24.75km to 29.850 km.	12.70	1.5:1	3.60	Launching & Packing = 180mtr (RD 24.800 to 24.980 km.)		Design parameter - TBL-12.76mtr, Top width 3.60 mtr.)
						4.22	-do-	-do-	Puri	29.85 to 34.07	11.98	1.5:1	3.60	Launching & Packing = 280mtr (RD 33.790 to 34.070 km.)		Design parameter - TBL-11.89mtr, Top width 3.60 mtr.
						3.73	-do-	-do-	Puri	34.07 to 37.800 km.	10.12	1.5:1	3.60			Design parameter - TBL-11.89mtr, Top width 3.60 mtr.
3	K.V.Right Embankment from RD 00 to 27.00 km	C.E	-	-	-	27.00	Mahanadi Basin	Kushabhadra	Khordha	RD 00-12 km	20.595/17.56	2:1	5.00	Packing = 500mtr (RD 4.00 to 4.500 km.) Launching & Packing= 340 mtr (RD 8.00 to 8.340 km.)	Nil	Design parameter TBL - 20.595/17.56m, Top width - 5.00m.
										RD12-19km	17.56/16.25	2:1	5.00	Packing = 1800mtr (RD 13.00 to 13.300 km, 14.00 to 15.00 km and 18.100 to 18.600 km)	Nil	Design parameter TBL - 17.56 to 16.25, Top width - 5.00m.
										RD19-27km	16.25/14.84	2:1	5.00	Packing= 750mtr (RD 19.00 to 19.150 km, 22.900 to 23.100 & 25.400 to 25.800 km,)	3 nos (RD 21.15 to 21.20 km)	Design parameter TBL-16.25/ 14.84, Top width - 5.00m.

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
	Kushabhadra Right Embankment from RD 27.00 km to RD 30.00 km.	C.E.				3.00	Mahanadi Basin	Kushabhadra	Khordha	RD 27.00 to 30.00 km.	14.84	2:1	5.00	Nil	Nil	Design parameter TBL-14.84, Top width - 5.00m.
	Kushabhadra Right Embankment from RD 30.00 km to 41.00 km.	C.E.				11.00	Mahanadi Basin	Kushabhadra	Puri	RD 30.00 to 37.10 km.	14.10	2:1	5.00	Packing = 380 mtr. (RD 33.600 to 33.680 , 33.950 to 34.00, 34.300 to 34.530 KM.)	2 Nos. Spur at RD 34.50 km., RD 34.530 km near Nakadiha & 1 No. Low level spur at RD 34.100 km.	Design Parameter TBL -14.1 mtr top width 5.00 mtr. 1 No. spur is in progress. 200.00 mtr Launching & packing required at RD 34.700Km.
RD 37.10 to 39.80 km.										12.40	2:1	4.5	Packing = 580 mtr (RD 37.100 to 37.340. 37.600 to 37.750, 38.200 to 38.310 km)	Nil	Design Parameter TBL -12.40 mtr top width 4.5 mtr.	
RD 39.80 to 41.00 km.										11.45	2:1	5.00	Nil	Nil	Design Parameter TBL -11.45 mtr top width 5.00 mtr.	
	Kushabhadra Right Embankment from RD 41.00 to 56.00. km.	C.E.				15.00	Lower Mahanadi Basin	Kushabhadra	Puri	RD 41.00 to 43.00 km.	11.30	1.5:1	3.80	-	-	Design Parameter TBL -12.00 mtr top width 5.00 mtr.)
RD 43.00 to 47.00 km.										10.80	1:1	3.00	-	-	Design Parameter TBL -11.60 mtr top width 5.00 mtr. Side slope 1.5:1)	
RD 47.00 to 56.00 km.										10.40 to 8.00 km.	1:1	3.50	-	-	Design Parameter TBL -11.60 to 8.50 mtr mtr top width 5.00 mtr. Side slope 1.5:1.)	

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
	Kushabhadra Right Embankment from RD 56.00 to 67.500 km. km.	C.E.				11.50	Lower Mahanadi Basin	Kushabhadra	Puri	RD 56.00 to 67.500 km.	8.00 to 5.89	1.5:1	4.00	Packing =235 Mtr (RD 56.500 to 56.680 km. at Chadheigaon and RD 66.650 to 66.705 km. at Putupada)	NIL	Design Parameter TBL - 8.90 to 6.60 mtr.)Top width 4.00 mtr.
4	Kushabhadra left embankment from RD 38.500 km to RD 55.200 km.	C.E.				16.70	Lower Mahanadi Basin	Kushabhadra	Puri	RD 38.500 to 41.800 km	11.50	1:1 to 1.5:1	2.20 to 2.60	Packing = 200.00 mtr (RD 38.500 to 38.700)	Nil	Design Parameter TBL - 12.40 to 10.30 mtr, Top width 4.00 mtr side slope 1.5:1.
										RD 41.800 to 48.200 km.	10.00	1:1 to 1.5:1	4.00	Packing = 700.00 mtr (RD 44.500 to 44.700 & 47.700 to 48.200 km.)	Nil	Design Parameter TBL - 11.76 mtr to 10.47 mtr, Top width 4.00 mtr side slope 1.5:1. Work is in progress in NABARD Assistance under RIDF-XX and expected to be achieved the design TBL before June - 2016.
										RD48.200 km to 52.00 km.	9.00	1.5:1	4.00	Packing = 60 M from RD 51.900 to 51.960 km.	Nil	Design Parameter TBL - 10.10mtr to 9.70 mtr, Top width 4.00 mtr side slope 1.5:1. Work is in progress in NABARD Assistance under RIDF-XX and expected to be achieved the design TBL before June - 2016.

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
										RD 52.00 to 52.700 km.	9.70	1.5:1	4.0	NIL	NIL	Design Parameter TBL - 10.10mtr to 9.70 mtr, Top width 4.00 mtr side slope 1.5:1. Work is in progress in NABARD Assistance under RIDF-XX and expected to be achieved the design TBL before June - 2016.
										RD52.700 to 55.200 km.	9.00	1.5:1	4.0	NIL	NIL	Design Parameter TBL - 19.70 m to 9.06, top width 4.00 mtr side slope 1.5:1. Work in progress through NABARD Assistance (RIDF-XX)and expected to be achieved the design TBL before June - 2016.
	Kushabhadra left embankment from RD 55.200 km to RD 73.500 km.	C.E.	-	-	-	18.30	Lower Mahanadi Baain	Kushabhadra	Puri	RD 55.200 to 57.500 km.	8.15 to 7.18 km.	1.5:1	3.5	Packing = 100 mtr (RD 57.500 to 57.600 km.)	NIL	Design Parameter TBL -9.06 to 8.60 mtr, top width 4.00 mtr side slope 1.5:1.
										RD 57.500 to 67.500 km.	7.18 to 6.17	1.5:1	2.50 to 3.00	Packing = 477 mtr (RD 58.300 to 58.600, 62.600 to 62.377km.)	1 No. low level spur at RD 62.650 km.	Design Parameter TBL -8.60 to 6.60 mtr, top width 4.00 mtr side slope 1.5:1.
										RD 67.500 to 73.500 km.	5.96 to 4.47 km	1:1	2.70 to 3.00	-	-	Design Parameter TBL -6.60 to5.40mtr, top width 4.00 mtr side slope 1.5:1.

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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	Devi Right embankment from RD 68.00 to 85.00 km.	C.E.				5.00	Mahanadi Basin	Devi	Cuttack & J.Singhpur	RD 68.00 to 73.00 km.	8.00	1.5:1	4.60	-	-	Design TBL -8.00 , top width 5.00m.
						1.50	Mahanadi Basin	Devi	Puri	RD 73.00 to 74.500 km.	8.00	1.5:1	5.00		Spur = 2 Nos. at RD 73.200 & 73.300 km.	Design T.B.L.: -8.00 mtr, top width 5.00m.
						1.00	Mahanadi Basin	Devi	Puri	RD 74.500 to 75.500 km.	8.00 to 7.80	1:1	3.00			Design T.B.L.: -7.80 mtr, top width 5.00m. (Required widening to 5.00 mtr.)
						2.20	Mahanadi Basin	Devi	Puri	RD 75.500 to 77.700 km.	7.80 to 7.50	1.5:1	5.00	Packing =300m (RD 76.00 to 76.300Km)		Design TBL -7.80 to 7.50 m ,top width 5.00m. & slope 1.5:1,River side Packing for a length of 200 mtr. is required near RD
						2.30	Mahanadi Basin	Devi	Puri	RD 77.700 to 80.00 km.	7.50 to 7.40 km	1:1	3.60	Launching:- 1100 Mtr. (from RD 77.900 to 79.00 km.)	14 Nos. of spur at Bauriakana (RD 77.70km., 77.900, 78.000, 78.100, 78.200, 78.300, 78.360, 78.450, 78.500, 78.600, 78.700, 78.800, 78.850 & 79.00 km.)	Design TBL -7.50 to 7.40 ,top width 5.00m. & slope 1:1. i) Both side widening required for Design Top width. (5.00 mtr) & Launching required at RD 79.050 km. for a length of 200 mtr.
						0.80	Mahanadi Basin	Devi	Puri	RD 80.00 to 80.800 km.	8.00	1.5:1	10.00		3 Nos. of spur at Sathiabati (80.050, 80.200 & 80.800 km.)	Design TBL -7.50 to 7.30 ,top width 5.00m. & slope 1.5:1,Required launching from RD

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
						4.20	Mahanadi Basin	Devi	Puri	RD 80.800 to 85.00 km.	7.00 to 5.20	1:1	3.00	Launching = 50.00 mtr.	2 Nos. of spur at Benipur (at RD 81.200 and 81.300 km.)	Designed TBL - 7.00 to 5.20 mtr, top width 5.00m. & slope 1.5:1 Widening required upto upto designd width i.e. 5.00 mtr. Launching required at 83.500 km to 85.00 km.
				Sub-total=		168.30	Km									
6	Dhanua left & right Embankment		O.A.E.	-	-	7.00	Mahanadi Basin	Dhanua	Khordha	RD 0-3.5km (Left)	15.00/14.50	1.5:1	4.00	Nil	Nil	Design Parameter TBL - 15.00 to 14.00mtr. Top width - 4.00 mtr
										RD 0-3.5km (Right)	15.00/14.00	1.5:1	7.00	Nil	Nil	
7	Siarocut left embankment from RD 00 to 12.00 km.		O.A.E.			9.00	Lower Mahanadi Basin	Siarocut	Puri	RD 00 to 9.00 km.	8.90 to 7.05m	1.5:1	4.00 to 3.00	NIL	NIL	Design Parameter TBL - 9.07 to 7.27 mtr. Top width - 4.00 mtr
						3.00	-do-	-do-	Puri	RD 9.00 to 12.00 km.	4.80 to 4.50m	1.5:1	2.00 to 1.50	NIL	NIL	Design Parameter TBL - 7.27 to 6.40 mtr. Top width - 4.00 mtr
8	Siarocut right embankment RD 00 to 12.00 km.		O.A.E.	-	-	6.00	-do-	Dhanua	Puri	0.00 to 6.00 km.	.	1.5:1	5.00	-	-	- do -
						6.00	-do-	Dhanua	Puri	6.00 to 12.00 km.	.	1.5:1	3.50	-	-	- do -
9	Dhanua left embankment from RD 00 to 5.80 km.		O.A.E.			2.00	Lower Mahanadi Basin	Dhanua	Puri	RD 00 to 2.00 km.	6.50	1.5:1	3.50	-	-	Design Parameter TBL - 7.50 mtr. Top width 4.00 mtr side slope 1.5:1.
						3.80	Lower Mahanadi Basin	Dhanua	Puri	RD 2.00 00 to 5.80 km.	6.30	1.5:1	3.00	-	-	Design Parameter TBL - 7.50 mtr. Top width 4.00 mtr side slope 1.5:1.

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
10	Dhanua Right Embankment from RD 00 to 6.20 km.		O.A.E.			6.20	Lower Mahanadi Basin	Dhanua	Puri	RD 00 to 3.00 km.	9.07	1.5:1	5.00	Packing = 240 mtr (RD 1.500 to 1.740 km. at Bhadrabanka)	NIL	Existing bituminous road from RD 00 to 3.00 km. Design TBL - 9.07
										RD 3.00 to 5.200 km	7.91	1.5:1	4.00	Packing = 150 mtr (5.200 to 5.35 km. at Chadheigaon)	NIL	Design Parameter TBL - 7.91 mtr. Top width 4.00 mtr side slope 1.5:1.
										RD 5.200 to 6.20 km.	7.91 to 7.200 km.	1.5:1	3.00	NIL	NIL	Design Parameter TBL - 7.91 to 7.87, Top width - 3.60 mtr
				Sub-total=	43.00	Km										
11	Siula T.R.Embankment from RD 00 to 3.200 km.		-	T.R.E.	-	3.20	-do-	Siula	Puri	00 to 3.20 km.	7.80	1.5:1	5.00	900m (RD1.00km to 1.50km and RD 2.60km to 3.00km)	-	-
12	Gabadiha T.R. embankment 00 to 9.08		-	T.R.E.	-	3.30	-do-	Siula	Puri	00 to 3.30 km.	5.60	1.5:1	2.60	-	-	Design parameter TBL - 7.50m, Top width - 3.60m. Widening & Raising required
										3.30 to 9.08km.	5.60	1.5:1	2.6 to 5.00	-	-	Design parameter TBL - 7.50m, Top width - 3.60m. Widening & Raising required
13	Dhanua left embankment from RD 00 to 14.00 km. (from Davar to Santrash & Bamanal)		-	T.R.E.	-	14.00	Mahanadi Basin	Dhanua	Puri	RD 00 to 4.200 km.	RD 00 to 3.200 km. = 7.60 m & RD 3.200 to 4.200 km = 5.75 mtr	1.5:1	RD 00 to 3.200 km. = 2.00 mtr & RD 3.200 to 4.200 km = 4.00 mtr	Nil	Nil	Design parameter TBL - 6.64 m, Top width - 4.00 mtr.
										RD 4.200 to 6.400 km.	6.64	1.50:1	4.00	Nil	Nil	PMGSY

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
										RD 6.400 to 14.00 km.	RD 6.400 to 6.800 km. = 5.57, RD 6.800 to 8.750 km = 7.60 mtr.RD 8.750 to 14.00 km. =	1.50:1	RD 6.400 to 6.800 km. = 2.00 mtr, RD 6.800 to 8.750 km = 7.64.00 mtr.RD 8.750 to 14.00 km. =	Nil	Nil	Design parameter TBL - 6.64 m, Top width - 4.00 mtr. i) Widening & Raising required ii) Packing required 70m near RD 6.40Km .
				Sub-total=		26.28										
14	Tikina Saline embankment from RD 00 to 6.00 km.				S.E.	6.00		Kushabhadra	Puri	RD 00 to 0.750 km.	6.62	1:1	3.00	Packing = 750 mtr(00 to 750 mtr near Liakhia)	12 Nos. from RD 00 to 750 mtr.	D.TBL - 5.20 m, Top width - 5.00 mtr., side slope - 2:1. Renovation of spur required.
										RD 0.750 to 0.900 km.	2.51	1:1	1.8	NIL	NIL	Design Parameter TBL - 5.20 mtr. Top width 5.00 mtr side slope 2:1
										RD 0.900 to 6.00 km.	4.10 to 3.90 km.	1:1	3.00	Packing = 1500 mtr(from RD 1200 M to 2400 Mtr & RD 3000 to 3300 mtr)	Spur = 2 Nos. at RD 1370 mtr and 1435 Mtr	Design (assumed) Parameter TBL - 5.20 mtr. To 4.40 m. top width 5.00 mtr. Side slope 2:1
15	Khalakatapatana Saline embankment from RD 00 to 4.00 km.				S.E.	4.00	Lower Mahanadi Basin	Kushabhadra	Puri	RD 00 to 1.10 km	3.50	1:01	2.70	Packing :- 1400 mtr (from RD 50 mtr to 850 mtr)near Khalakatapatna and 00 to 600 mtr u/s of Khalakatapatna S/E for protection of Garudeswar	Spur = 2 nos. at RD 60 mtr & 150 mtr (Upstream of Khalakatapatana S/E)	Design Parameter TBL - 5.20 mtr. width 5.00 mtr. Side slope 2:1.
										RD 1.10 to 4.00km	3.90 to 3.15 mtr	1:1	3.00	NIL	NIL	Design Parameter TBL - 5.20 mtr. To 4.40 m. top width 5.00 mtr. Side slope 2:1.

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL "m"	Side slope	Top Width "m"	Revetment packings "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
16	Astaranga to Biluamundali S/E				S.E.	2.50	Mahanadi Basin	Bhaunria	Puri	RD 00 to 2.50 km.	2.80	1:1	2.80	-	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1, Widening & raising required.
17	Jharling-Belanga S/E				S.E.	29.10	Mahanadi Basin	Bhaunria	Puri	RD 00 to 2.800 km.	3.60	1.5:1	3.00	Packing = 300mtr (RD 0.40 to 0.460Km, 1.80 km to RD 2.00 km.2.500 to 2.600 km.)		DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1, Widening & raising required.
								Bhaunria & Devi	Puri	RD 2.800 to 7.200 km.	3.80	1.5:1	3.80	Packig = 3900m (RD 2.80 to 4.900 km & 5.200 to 7.00 km.)	Spur = 5 Nos. at RD 3.10, 3.20, 3.30 , 4.19 & 4.29	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1,
								Kadua	Puri	RD 7.200 to 9.500 km.	3.60	1:1	3.00		-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1
								Kadua	Puri	RD 9.500 to 17.500 km.	2.5 to 2.8	1:1	2.50	Packing= 350 m (from RD 11.00 to 11.150 km.,RD 16.00 to 16.200 km.)	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1
								Kadua	Puri	RD 17.500 to 22.00 km.	2.70	1:1	3.00	Packing = 530mtr. (from RD 18.00 to 18.200 km, RD 19.00 to 19.130 km & 20.00 to 20.200 km.)	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1.
								Kadua	Puri	RD 22.00 to 29.100 km.	5.20	2:1/1.5:1	3.70	-	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1/1.5:1' (Work is in progress under ADB Assistance)

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"	Side slope	Top Width "m"	Revetment packings "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
18	Sahan-Balabhadrapur S/E				S.E.	11.58	Mahanadi Basin	Kadua	Puri	RD 00 to 11.580 km.	2.5	1:1	3.5	Packing = 500m (RD 0.20 to 0.30Km, 2.20 to 2.30, 6.50 to 6.60, 7.0 to 7.20 Km)	-	DTBL - 5.2m D.Top width - 3.7 m & Design slope- 2:1, Widening & raising required.
19	Tandahara-Singiripal S/E				S.E.	4.80	Mahanadi Basin	Kadua	Puri	RD 00 to 1.98 km.	5.2	2:1	3.70	Packing 1980 mtr (RD 00 to 1.98 km.)	-	DTBL = 5.20, Top width = 3.70m
										RD 1.980 to 4.80 km.	0.5	1:1	1.00	-	-	DTBL - 5.20m D.Top width - 3.70m & Design slope- 1.5:1, Widening & raising required.
20	Keutajanga S/E				S.E.	3.60	Mahanadi Basin	Prahi & Kadua	Puri	RD 00 to 3.60 km.	5.2	2:1	3.70	Packing = 3600 mtr (from RD 00 to 3.60 km.)	-	DTBL = 5.20, Top width = 3.70m, Work progress under NCRMP
21	Daluakani Saline gherry				S.E.	1.50	Mahanadi Basin	Kadua	Puri	RD 00 to 1.50 lm.	2.5	1:1	2.00	Packing = 150m(RD 0.100 to 0.250Km)		DTBL -5.20m D.Top width - 3.7m & Design slope-1:2, Widening & raising required.
22	Kuhudi-Poichandia S/E from RD 00 to 5.500 km.				S.E.	5.50	Mahanadi Basin	Bhaunria	Puri	RD 00 to 5.50 m	2.5	1:1	2.50	-	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 1.5:1, i) Widening & raising required ii) Launching & packing 100m near RD 1.85Km.
23	Nagar Saline Embankment RD 00 to 9.600 km.				S.E.	9.60	Mahanadi Basin	Devi / Bhaunria	Puri	RD 00 to 6.600 km	5.2	2:1	3.70	Packing = 6100 mtr. (RD 00 to 3.00 km. , RD 3.500 to 6.00 km., RD 6.00 to 6.660 km.).	Spur = 1 No. at RD 250.00 mtr.	DTBL= 5.20, Top width = 3.70m, Work in progress under NCRMP

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"	Side slope	Top Width "m"	Revetment packings "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
										RD 6.600 to 9.600km	5.2	1.5:1	3.70	Packing = 3000 mtr (from RD 6600 to 9600 mtr)	-	DTBL -5.20m D.Top width - 3.60m & Design slope- 1.2:1. Work in progress under NCRMP
24	Serei to Bandala S/E		-	-	S.E.	4.00	Mahanadi Basin	Prachi	Puri	RD 00 to 4.00km.	3.3	1.5:1	3.60	Packing =135 mtr from RD 120 to 255 mtr.	-	DTBL - 5.20 m & D.Top width - 3.70m. (Work in progress under ADB Assistance)
25	Chhotipada to Badaraula S/E		-	-	S.E.	3.66	Mahanadi Basin	Kadua	Puri	RD 00 to 3.66 km.	RD 00 to 2.00 km. = 5.20 mtr and 2.00 to 2.700 km = 4.5 mtr, 2.700 to 3.660 km. = 3.66 mtr	2:1	3.70	Packing = 1500 mtr. (RD 00 to 1.500 km.)	-	DTBL= 5.20, Top width = 3.70m, Work in progress under NCRMP.
26	Ukulei- Astaranga Saline Embkt.	-	-	-	S.E.	2.70	Mahanadi Basin	Bhaunria	Puri	RD 00 to 1.80 km.	2.50	1.5:1	2.00	-	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1 Widening & raising required.
			-	-						RD 1.80 km to 2.70 km.	2.40	1.5:1	2.00	-	-	DTBL - 5.20 m D.Top width - 3.70m & Design slope- 2:1 Widening & raising required.
27	Tentulia Saline Embankment		-	-	S.E.	2.50	Mahanadi Basin	Prachi	Puri	RD 00 to 2.50 km.	1.00	1.00	1.00	-	-	-do-
					Sub-total=	91.04	Km									
					Total=	328.62	Km									

Executive Engineer
Nimapara Irrigation Division