

Verification of Flood Embankments of Kalahandi Irrigation Division, Bhawanipatna.

Name of the Division :- Kalahandi Irrigation Division, Bhawanipatna

Name of the Sub-Division :- Kalahandi Irrigation Sub-Division, Bhawanipatna

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 defficiency in parameters.
		C.E	O.A.E	T.R.E	S.E						T.B.L "M"	Side Slope	Top width in "M"	Pavement packing in "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	F.E at Taranja of Tel Right Bank	-	O. A. E	-	-	1.60	Mahanadi	Tel	Kalahandi	-	204	1.3:1	1.60m to 2.00m	RD 933m to 1015m =82m & 1450m to 1600m = 150m. Total = 232m	-	The embankment needs Raising & strenthening with R.S dry Packing. length of 1368m.
2	F.E at Kandulguda of Tel Right Bank	-	O. A. E	-	-	1.295	Mahanadi	Tel	Kalahandi	-	204	1.3:1	2.40m. to 3.00m	RD 300m to 600m =300m	-	Bank width requires widening & R.S dry packing in river side slope.
3	F.E at Atigaon of Tel Right Bank	-	O. A. E	-	-	0.825	Mahanadi	Tel	Kalahandi	-	204	2:1	2.70m to 3.10m	RD 00m to 120m =120m	-	Bank width requires widening & R.S dry packing in river side slope
4	F.E at Talmala	-	O.A.E	-	-	0.48	Mahanadi	Tel	Kalahandi			2:1	2.70m to 3.10m			
5	F.E at Kesinga to Kantsir Tel Right Bank	-	O. A. E	-	-	5.163	Mahanadi	Tel	Kalahandi	-	180	1.5:1	2.70m to 3.10m	RD 00m to 3100m =3100m	-	Bank width requires widening.
6	F.E at Turlakhaman of Tel Right Bank	-	O. A. E	-	-	0.470	Mahanadi	Tel	Kalahandi	-	180	1.5:1	1.90m to 2.80m	RD 00m to 355m = 355m	-	The embankment needs Raising & strenthening.
7	Sand Screen at Turlakhaman					0.720	Mahanadi	Tel	Kalahandi			1.5:1	1.90m to 2.80m			
8	F.E at Rajapada to Digsira of Tel Right Bank	-	O. A. E	-	-	3.040	Mahanadi	Tel	Kalahandi	-	180	1.5:1	2.40m. to 2.80m	RD 00m to 3300m =3300m	-	Bank width requires widening
9	F.E at Amathoal to Nandol of Tel Right Bank	-	O. A. E	-	-	2.780	Mahanadi	Tel	Kalahandi	-	200	1.3:1	2.50m to 3.10m	RD 00m to 2000m	-	The embankment needs Raising & strenthening & R.S dry packing in river side slope.
10	F.E at Makarsola Tel Right Bank	-	O. A. E	-	-	0.270	Mahanadi	Tel	Kalahandi	-	200	1:1	2.50m to 2.80m	0.45	-	The embankment needs Raising & strenthening & R.S dry packing in river side slope
11	Sand Screen at Mankarsola	-	O. A. E	-	-	0.410	Mahanadi	Tel	Kalahandi			1:1	2.00			
12	Sand Screen at farang to funda	-	O. A. E	-	-	0.170	Mahanadi	Tel	Kalahandi			1:1	2.00			
13	FE at Karmath on Tel Left					0.750	Mahanadi	Tel	Kalahandi			1.5 :1	4.00			
14	Sand Screen at Karmath on Tel Left	-	O. A. E	-	-	0.210	Mahanadi	Tel	Kalahandi			1:1	2.00			
15	Sand Screen at Madiguda	-	O. A. E	-	-	0.100	Mahanadi	Tel	Kalahandi			1:1	2.00			
16	F.E at Pondukul Kumari Tel Left Bank	-	O. A. E	-	-	2.540	Mahanadi	Tel	Kalahandi	-	201	1.2:1	2.50m to 3.10m.	RD 00m to 2000m = 2000m	-	Bank width requires widening & R.S dry packing in river side slope.
17	F.E at Uchhala of Tel Left Bank	-	O. A. E	-	-	1.210	Mahanadi	Tel	Kalahandi	-	198	1.3:1	2.50m. to 3.10m	1000	-	Bank width requires widening & R.S dry packing in river side slope.
18	F.E at Gundri of Tel Left Bank	-	O. A. E	-	-	1.360	Mahanadi	Tel	Kalahandi	-	199	1:1	1.80m. to 2.00m	-	-	Bank width requires widening & R.S dry packing in river side slope.
C/O						23.393										

Name of the Sub-Division :- Bhaskel Irrigation Sub-Division, Umerkote.

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						T.B.L "M"	Side Slope	Top width in "M"	Pavement packing in "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
						B/F	23.393									
19	F.E at Masigaon of Udanti Left	-	O. A. E	-	-	0.800	Mahanadi	Udanti	Kalahandi	-	215	1.5:1	3.00	-	-	Bank width requires widening & R.S dry packing in river side slope.
20	F.E at Chapriya of Udanti Right.	-	O. A. E	-	-	3.572	Mahanadi	Udanti	Kalahandi	-	215	1.5:1	3.00	-	-	Bank width requires widening & R.S dry packing in river side slope.
21	F.E at Artel		O. A. E			1.135	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60			
22	F.E at Kegaon		O. A. E			0.625	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60			
23	L.F.B of river Sundar near village Nehena from RD 00 m to 5376 m	-	OAE	-	-	5.38	Mahanadi	Sundar	Nuapada	-	228.00	1.5:1	3.00	500 m near the sluice near village Nehna	-	At some places the embankment is in undersection and needs strenthning and river side slope requires stone packing otherwise the embankment is ok for flood protection
24	L.F.B of river Sundar near village Turi from RD 00 m to 2840 m	-	OAE	-	-	2.84	Mahanadi	Sundar	Nuapada	-	230.00	1.5:1	2.8	RD 00 to 500 m = 500	-	River side slope nees stone packing
25	L.F.B of Ahila nalla near village Kusumakhunti from RD 00 to 580.00 m	-	OAE	-	-	0.58	Mahanadi	Ahilla	Nuapada	-	246.00	1:1	1m to 2.0m	RD 00 to 50 m = 50	-	It require raising and strenthning and DPR in under process
26	L.F.B of river Udanti near village Hatibandha from RD 00 to 1095 m	-	OAE	-	-	1.1	Mahanadi	Udanti	Nuapada	-	230.00	1.5 :1	3.00	RD 00 to 650 m =650 m	-	The embankment needs strenthning.& stone packing
27	F.E at Sindursil	-	OAE	-	-	0.115	Mahanadi	Udanti	Nuapada			1.5 :1	3.60	-	-	
28	L.F.B of river Udanti near villageKopia from RD 00 to 420 m	-	OAE	-	-	0.42	Mahanadi	Udanti	Nuapada	-	234.86	1.5 :1	2.00 to 3.00	-	-	Bank width requires widening
29	L.F.B of river Udanti near village chanura from RD 00 to 1920 m	-	OAE	-	-	2.33	Mahanadi	Udanti	Nuapada	-	229.80	1.5 :1	2.00 to 2.80	-	-	Bank width requires widening
30	L.F.B of river Udanti near village Jogibahal from RD 00 to 850 m	-	OAE	-	-	1.10	Mahanadi	Udanti	Nuapada	-	237.56	1.5 :1	2.80	RD 00 to 560 m =560 m	-	Scoured from RD 360 m to 630 m & work has been taken up in this financial year
31	LFB of river Udanti near village Mahaling from RD 00 to 1050 m	-	OAE	-	-	1.05	Mahanadi	Udanti	Kalahandi	-	220.00	1.5 :1	3.60	RD 00 to700 m = 700m	-	
32	LFB of river Udanti near village Mahaling to Kuliapada from RD 00 to 1100 m	-	OAE	-	-	1.40	Mahanadi	Udanti	Kalahandi	-	220.00	1:5:1	3.60	RD 00 to 500 m = 500m	-	
33	F.E at Kuliapada	-	OAE	-	-	1.161	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
34	F.E at Kuliapada to Bhatipada	-	OAE	-	-	1.200	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
35	L.F.B of river Udanti near village Bordi.	-	OAE	-	-	0.800	Mahanadi	Udanti	Kalahandi	-	215.00	2:1	3.60	-	-	
36	L.F.B of river Udanti near village Kuhura	-	OAE	-	-	0.660	Mahanadi	Udanti	Kalahandi	-	213.00	2:1	3.60	-	-	
37	L.F.B of river Udanti near village Makhapadar	-	OAE	-	-	2.500	Mahanadi	Udanti	Kalahandi	-	230.50	2:1	3.66	-	-	
38	F.E at Lanji	-	OAE	-	-	0.160	Mahanadi	Udanti	Kalahandi			2:1	3.60	-	-	
39	F.E at Sinapali	-	OAE	-	-	0.200	Mahanadi	Udanti	Nuapada			1.5 :1	3.60	-	-	
						C/O	52.521									
						B/F	52.521									
40	F.E at Barfa	-	OAE	-	-	0.355	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	

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		C.E	O.A.E	T.R.E	S.E						T.B.L "M"	Side Slope	Top width in "M"	Pavement packing in "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
41	F.E at Kuhura to Kantamal	-	OAE	-	-	0.510	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
42	F.E at Nuapada	-	OAE	-	-	0.786	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
43	LHSS at Leter	-	OAE	-	-	0.829	Mahanadi	Udanti	Kalahandi			1:1	1.50	-	-	
44	F.E at Khoelpala to Gurujang	-	OAE	-	-	1.013	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
Grand Total						56.014										

Physically inspected all embankments i.e 100%

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Physically inspected the river embankments in the sl. 2,5,8,9,10,11,15,16,19,21,22,30&36 for a length of 30.258 Km. i.e. 54%

Physically inspected the river embankments in the sl. 5,8,9,15,29,30 &36 for a length of 18.173 Km. i.e. 32%

Junior Engineer / Assistant Engineer

Sub-Divisional Officer

Executive Engineer
Kalahandi Irrigation Division
Bhawanipatna

Superintending Engineer
Western Irrigation Circle,
Bhawanipatna.