

Office of the Superintending Engineer
Kalahandi Irrigation Division, Bhawanipatna.
Mail I.D. - eeekldbpt2008@hotmail.com / Phone No. 06670-230685

No. 1248/NE /Dated. 10.5.2023

To
The Chief Engineer
HH GIS & CEM
Bhubaneswar

Sub:- Submission of Health of Flood Embankment -2023.

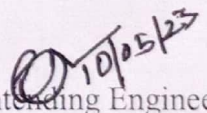
Ref: Circular No-HH,GIS &CEM-FF-FRM-138/2023- 10522 dated 17.04.2023 of the EIC, WR, Odisha, Bhubaneswar
Circular No-WR-FCDR-SCH-0049-2023 12389/WR Dated 02.05.2023 of the D.o.W.R Odisha, Bhubaneswar

Sir,

In inviting a kind reference to the above subject , the health status of flood embankment under Kalahandi Irrigation Division, Bhawanipatna, has been inspected and verified by all concerned and duly counter signed by the Collector and District Magistrate, Kalahandi, Chief Engineer and Basin Manager, Tel Basin Bhawanipatna and the Additional Chief Engineer, Western Irrigation Circle Bhawanipatna is submitted herewith for favour of your kind information and necessary action.

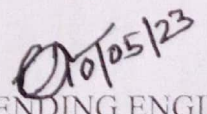
Encl: As above.

Yours Faithfully ,


Superintending Engineer
Kalahandi Irrigation Division
Bhawanipatna

Memo No. 1249 / Dated. 10.5.2023

Copy submitted to the Chief Engineer and Basin Manager, Tel Basin, Bhawanipatna/ Additional Chief Engineer, Western Irrigation Circle Bhawanipatna for favour of kind information and necessary action.


SUPERINTENDING ENGINEER

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 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
		3	4	5	6	7	8												
1	F.E at Taranja of Tel Right Bank	-	O.A.E	-	-	-	1.60	Mahanadi	Tel	Kalahandi	-	204	1.3:1	3.00	RD 1200m to 1450m =250m	-	The embankment needs Raising & strengthening with R.S dry Packing length of 1368m.		
2	F.E at Kenduliguda of Tel Right Bank	-	O.A.E	-	-	-	1.475	Mahanadi	Tel	Kalahandi	-	204	1.5:1	3.50	RD 0m to 200m =200m	-			
3	F.E at Atigaon of Tel Right Bank	-	O.A.E	-	-	-	0.915	Mahanadi	Tel	Kalahandi	-	204	2:1	3.60	RD 50m to 100m =50m	-			
4	F.E at Talimala of Tel left bank.	-	O.A.E	-	-	-	0.48	Mahanadi	Tel	Kalahandi	-	180	1.5:1	3.60	RD 500m to 2800m =2300m	-			
5	F.E at Kesinga to Kantsir 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 & strengthening.		
6	F.E at Turiakhaman of Tel Right Bank	-	O.A.E	-	-	-	0.720	Mahanadi	Tel	Kalahandi	-	180	1.5:1	1.90m to 2.80m	RD 00m to 3300m =3300m	-	Bank width requires widening		
7	Sand Screen at Turiakhaman of Tel right bank	-	O.A.E	-	-	-	3.040	Mahanadi	Tel	Kalahandi	-	200	1.3:1	3.60	RD 00m to 2000m	-	The embankment needs Raising & strengthening. & R.S dry packing in river side slope.		
8	F.E at Rajpada to Digsira of Tel Right Bank	-	O.A.E	-	-	-	2.780	Mahanadi	Tel	Kalahandi	-	200	02:01	5.00	00m to 5000m	-			
9	F.E at Amathoal to Nandol of Tel Right Bank	-	O.A.E	-	-	-	5.000	Mahanadi	Tel	Kalahandi	-	200	1.5:1	4.00	00m to 5000m	-			
10	F.E at Makarsola Tel Right Bank	-	O.A.E	-	-	-	0.350	Mahanadi	Tel	Kalahandi	-	200	1.5:1	4.00	00m to 5000m	-			
11	FE at Masani Munda Kesinga Town of Tel right bank.	-	O.A.E	-	-	-	0.600	Mahanadi	Tel	Kalahandi	-	200	1:1	2.00	00mt to 750mt	-			
12	Sand Screen at farang to funda of Tel left bank	-	O.A.E	-	-	-	0.750	Mahanadi	Tel	Kalahandi	-	200	1.5:1	4.00	00mt to 750mt	-			
13	FE at Karmath on Tel Left	-	O.A.E	-	-	-	0.210	Mahanadi	Tel	Kalahandi	-	200	1:1	2.00	00mt to 750mt	-			
14	Sand Screen at Karmath on Tel Left	-	O.A.E	-	-	-	0.100	Mahanadi	Tel	Kalahandi	-	200	1:1	2.00	00mt to 750mt	-			
15	Sand Screen at Madiguda of Tel left bank	-	O.A.E	-	-	-	2.540	Mahanadi	Tel	Kalahandi	-	201	1.5:1	3.00	RD 00m to 2000m = 2000m	-			
16	F.E at Pondukul Kumari Tel Left Bank	-	O.A.E	-	-	-	1.210	Mahanadi	Tel	Kalahandi	-	198	1.5:1	3.60	00mt to 1.210mt	-			
17	F.E at Uchhala 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.			
18	F.E at Gundri of Tel Left Bank	-	O.A.E	-	-	-													
											C/O		28.763						

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 defn. in parameters.
		T.R.E			Slope	Top width in "M"	Pavement packing in "M" width Location						Spur in Nos with Location					
		C.E	O.A.E	S.E														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
Name of the Sub-Division :- Kharlar Irrigation Sub-Division, Kharlar																		
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 of Udanti right	-	O. A. E	-	-	1.135	Mahanadi	Udanti	Kalahandi	-	-	1.5:1	3.60	-	-	-	-	
22	F.E at Kegeon of Udanti right.	-	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 Nehena	-	-	At some places the embankment is in underection and needs strengthening and river side slope requires stone packing otherwise the embankment is ok for flood protection	
24	L.F.B of river Sundar near village Turli 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	-	-	-	
25	L.F.B of Ahilia nalla near village Kusumkhunti from RD 00 to 580.00 m	-	OAE	-	-	0.58	Mahanadi	Ahilia	Nuapada	-	246.00	1:1	1m to 2.0m	RD 00 to 50 m = 50	-	-	It require raising and strengthening 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 stone packing	
27	F.E at Sindursil of Udanti right bank	-	OAE	-	-	0.115	Mahanadi	Udanti	Nuapada	-	-	1.5:1	3.60	-	-	-	-	
28	L.F.B of river Udanti near village Kopia 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	-	-	2.58	Mahanadi	Udanti	Nuapada	-	229.80	1.5:1	3.60	-	-	-	-	
30	L.F.B of river Udanti near village Jogibahal from RD 00 to 1100 m	-	OAE	-	-	1.10	Mahanadi	Udanti	Nuapada	-	237.56	02:01	3.60	RD 00 to 1100 m	-	-	-	
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 to 700 m = 700m	-	-	-	
32	LFB of river Udanti near village Mahaling to Kuliapada from RD 00 to 1400 m	-	OAE	-	-	1.40	Mahanadi	Udanti	Kalahandi	-	220.00	1.5:1	2.4 to 3.0	3.00	-	-	Requires widening and strengthening	
33	F.E at Kuliapada of Udanti left bank.	-	OAE	-	-	1.161	Mahanadi	Udanti	Kalahandi	-	-	1.5:1	3.60	-	-	-	-	
34	F.E at Kuliapada to Bhatipada of Udanti Left bank	-	OAE	-	-	1.200	Mahanadi	Udanti	Kalahandi	-	-	1.5:1	2.00	-	-	-	-	
35	L.F.B of river Udanti near village Bordi.	-	OAE	-	-	0.900	Mahanadi	Udanti	Kalahandi	-	215.00	2:1	3.60	-	-	-	-	
36	L.F.B of river Udanti near village Makhapadar	-	OAE	-	-	2.500	Mahanadi	Udanti	Nuapada	-	230.50	2:1	3.6	-	-	-	-	
37	F.E at Lanji of Udanti right bank.	-	OAE	-	-	0.160	Mahanadi	Udanti	Nuapada	-	-	2:1	3.60	-	-	-	-	
38	F.E at Sinapali of Udanti right bank.	-	OAE	-	-	0.200	Mahanadi	Udanti	Nuapada	-	-	1.5:1	3.60	-	-	-	-	
																C/O	57.581	

Sl. No.	Name of the Embankment	Category of the Embankment					Length in Km.	Area of the Basin (hect.)	Name of the Basin	District	Station	T.B.L. M.	Status of the Embankment (Push area)		Staff assigned for the category / category
		C.E.	O.A.E.	R.E.	S.E.	B/F							Top width in %	Bottom packing in %	
38	Left Bank of the Right Bank	-	OAE	-	-	0.355	Maharaj	Udant	Kalahandi		15-1	3.66			
39	Right Bank near to Kumbhari of Udant left	-	OAE	-	-	0.560	Maharaj	Udant	Kalahandi		15-1	3.60			
40	Right Bank near to Udant Right	-	OAE	-	-	0.766	Maharaj	Udant	Kalahandi		15-1	3.60			
41	Right Bank near to Udant left	-	OAE	-	-	0.829	Maharaj	Udant	Kalahandi		1-1	1.50			
42	Right Bank near to Kumbhari of Udant left	-	OAE	-	-	1.713	Maharaj	Udant	Kalahandi		15-1	3.60			
43	Right Bank near to Mahaling G.P.	-	OAE	-	-	3.960	Maharaj	Udant	Kalahandi		2-1	5.00			
Grand Total						65.124									

Physically inspected all embankments i.e. 100%

[Signature]
 Assistant Engineer
 Kalahandi Irrigation Section-I
 Bhawanipatna

[Signature]
 Assistant Engineer
 Kalahandi Irrigation Section-II
 Bhawanipatna

[Signature]
 Assistant Engineer
 Kalahandi Irrigation Section-III
 Bhawanipatna

[Signature]
 Junior Engineer Sec-I
 Ret. Irrigation Sub-Division, Dam Site
 Site office Khatar

[Signature]
 Junior Engineer Sec-II
 Ret. Irrigation Sub-Division, Dam Site
 Site office Khatar

Physically inspected all embankments i.e. 100%

[Signature]
 Sub-Divisional Officer
 Kalahandi Irrigation Sub-Division
 Bhawanipatna

[Signature]
 Sub-Divisional Officer
 Ret. Irrigation Sub-Division, Dam site
 Site office Khatar

[Signature]
 R.I. Haribandha

[Signature]
 Revenue Inspector
 Sinapali

Physically inspected all embankments i.e. 50%

[Signature]
 Superintending Engineer
 Kalahandi Irrigation Division
 Bhawanipatna

[Signature]
 Sarapanch Mahaling G.P.

Addl District Magistrate
 Kalahandi, Bhawanipatna

Physically inspected all embankments i.e. 25%

[Signature]
 Chief Engineer & Basin Manager
 Tel. Basin, Bhawanipatna

[Signature]
 Tahasilidar
 Junagar

[Signature]
 Tahasilidar
 Kesinga

[Signature]
 Collector
 Kalahandi