

OFFICE OF THE SUPERINTENDING ENGINEER  
KALAHANDI IRRIGATION DIVISION, BHAWANIPATNA  
Email id- [cekldbpt2008@hotmail.com](mailto:cekldbpt2008@hotmail.com)  
Telephone No-06670-230685

Lr.No. 887

Date. 4.5.22

To

The Engineer-in-Chief,  
Water Resources, Odisha,  
Bhubaneswar.

Sub : Submission of Embankment Verification Report of Kalahandi Irrigation Division, Bhawanipatna.

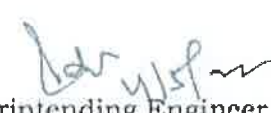
Ref : Your Circular No.138/2021-8131 date.04.04.2022.

Sir,

It inviting a kind reference to the subject mentioned above, I am submitting herewith detailed River Embankment Verification Report duly signed by Chief Engineer & Basin Manager, Tel Basin, Bhawanipatna, Addl.Chief Engineer, Western Irrigation Circle, Bhawanipatna and countersigned by the Collector & District Magistrate, Kalahandi for favour of your kind information and necessary action.

Encl : As above.

Yours faithfully,

  
Superintending Engineer  
Kalahandi Irrigation Division,  
Bhawanipatna.

Memo No. 888 Date. 4.5.22

Copy submitted to the Chief Engineer & Basin Manager, Tel Basin, Bhawanipatna for favour of kind information and necessary action.

  
Superintending Engineer

Memo No. 889 Date. 4.5.22

Copy submitted to the Addl. Chief Engineer, Western Irrigation Circle, Bhawanipatna for favour of kind information and necessary action.

  
Superintending Engineer

DIR, AF, ARM KAU

  
6/5/22

## 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 <sup>2</sup>	Side Slope						Top width in "M"	Pavement packing in "M" with Location	Spur in Nos with location		
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	F.E at Taraja of Tel Right Bank	-	C.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 1360m.	
2	F.E at Kanduguda of Tel Right Bank	-	O.A.E	-	-	1.295	Mahanadi	Tel	Kalahandi	-	204	1.5:1	3.50	RD 0m to 200m =200m	-		
3	F.E at Mligson of Tel Right Bank	-	O.A.E	-	-	0.915	Kalahandi	Tel	Kalahandi	-	204	2:1	3.60	RD 50m to 100m =50m	-		
4	F.E at Talada of Tel left bank	-	C.A.E	-	-	0.48	Mahanadi	Tel	Kalahandi	-	180	2:1	2.70m to 3.10m	-	-		
5	F.E at Kasinga to Kantair Tel Right Bank	-	O.A.E	-	-	5.163	Mahanadi	Tel	Kalahandi	-	180	1.5:1	3.60	RD 500m to 2800m =2300m	-		
6	F.E at Turakhman of Tel Right Bank	-	O.A.E	-	-	0.470	Mahanadi	Tel	Kalahandi	-	180	1.5:1	1.90m to 2.60m	RD 00m to 355m =355m	-	The embankment needs Raising & strengthening.	
7	Sand Screen at Turakhman 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	
8	F.E at Rajasoa to Dipara 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.	
9	F.E at Amarsoal to Nander of Tel Right Bank	-	O.A.E	-	-	2.780	Mahanadi	Tel	Kalahandi	-	200	1.5:1	4.50	00m to 2700m	-		
10	F.E at Mavarsola Tel Right Bank	-	O.A.E	-	-	2.700	Mahanadi	Tel	Kalahandi	-	200	1.5:1	4.00	-	-		
11	FE at Masani Munda Kasinga Town of Tel right bank	-	O.A.E	-	-	0.350	Mahanadi	Tel	Kalahandi	-	200	1.5:1	2.00	-	-		
12	Sand Screen at faring to farda of Tel left bank	-	O.A.E	-	-	0.600	Mahanadi	Tel	Kalahandi	-	200	1.5:1	4.00	00m to 750m	-		
13	FE at Karmath on Tel Left	-	O.A.E	-	-	0.760	Mahanadi	Tel	Kalahandi	-	200	1.5:1	2.00	-	-		
14	Sand Screen at Karmath on Tel Left	-	O.A.E	-	-	0.210	Mahanadi	Tel	Kalahandi	-	200	1.5:1	2.00	-	-		
15	Sand Screen at Madigada of Tel left bank	-	O.A.E	-	-	0.100	Mahanadi	Tel	Kalahandi	-	200	1.5:1	2.00	-	-		
16	F.E at Pongukul Kumari Tel Left Bank	-	O.A.E	-	-	2.640	Mahanadi	Tel	Kalahandi	-	201	1.5:1	3.00	RD 00m to 2000m =2000m	-		
17	F.E at Uchhela of Tel Left bank	-	O.A.E	-	-	1.210	Mahanadi	Tel	Kalahandi	-	198	1.5:1	3.60	00m to 1.210m	-		
18	F.E at Gurdhi 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.	

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	D.A.E	I.R.E	S.E	T.B.L "M"						Side Slope	Top width in "M"	Parametral 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>Name of the Sub-Division :- Khatiar Irrigation Sub-Division, Khatiar</b>																
						<b>26.283</b>	<b>B/F</b>									
19	F.E at Mahaling of Udanti Left	-	C. 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 Chapras of Udanti Right.	-	C. 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 Arfel of Udanti right.	-	O. A. E	-	-	1.135	Mahanadi	Udanti	Kalahandi	-		1.5:1	3.60	-	-	
22	F.E at Kapan 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 Nehma from RD 00 to 5375 m	-	OAE	-	-	5.38	Mahanadi	Sundar	Nuapada	-	228.00	1.5:1	3.00	500 m near the sluice near village Nehma	-	At some places the embankment is in under section 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 Torli from RD 00 to 2550 m	-	OAE	-	-	2.84	Mahanadi	Sundar	Nuapada	-	230.00	1.5:1	2.8	RD 00 to 500 m = 500	-	It require raising and strengthening and DPT in under process
25	L.F.B of Ahila nalla near village Kusumakishni from RD 00 to 580.00 m	-	OAE	-	-	0.58	Mahanadi	Ahila	Nuapada	-	246.00	1:1	1m to 2.0m	RD 00 to 50 m = 50	-	Tim embankment needs stone packing
26	L.F.B of river Udanti near village Hatibandha from RD 00 to 1085 m	-	OAE	-	-	1.1	Mahanadi	Udanti	Nuapada	-	230.00	1.5:1	3.00	RD 00 to 650 m = 650 m	-	
27	F.E at Sushal 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	3.00	-	-	
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	-	Requires widening and strengthening
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	-	
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 Bhatpada of Udanti Left bank	-	OAE	-	-	1.200	Mahanadi	Udanti	Kalahandi	-		1.5:1	2.00	-	-	
35	L.F.B of river Udanti near village Bardi.	-	OAE	-	-	0.900	Mahanadi	Udanti	Kalahandi	-	215.00	2:1	3.60	-	-	
36	L.F.B of river Udanti near village Makhapada:	-	OAE	-	-	2.500	Mahanadi	Udanti	Nuapada	-	230.50	2:1	3.6	-	-	
37	F.E at Larji 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	-	-	

