

**OFFICE OF THE SUPERINTENDING ENGINEER
MAYURBHANJ IRRIGATION DIVISION, BARIPADA**

Letter No. 2239/WE Dt. 12.05.2023

To

The Chief Engineer, HH, GII & GEM

O/O the Engineer-in-Chief, WR, Bhubaneswar, Odisha.

Sub- Submission of Health Status of existing River / Saline embankments under Jurisdiction of Mayurbhanj Irrigation Division, Baripada.


Sir,

In inviting a kind reference to the Subject cited above, I am to enclose herewith Copy of the Health Status of existing River / Saline embankments under Mayurbhanj Irrigation Division, Baripada as required by Engineer-in-Chief, WR, Bhubaneswar, Odisha vide his Circular No-HH, GIS & CEM-FF & FRM-138/2023-10522 dt 17.04.2023 which an Action Plan has been prepared for verification of embankments of different rivers before ensuing monsoon.

This is for favour of your kind information and necessary.

Encl- Booklet of Health Status- 1 Copy

Yours faithfully,

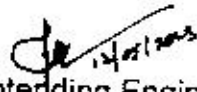

Superintending Engineer,
Maturbhanj Irrigation Division,
Baripada.

Memo No- 2230/WE

Dt- 12.05.23

Copy submitted to the Engineer-in-Chief, WR, Bhubaneswar, Odisha for information & necessary action.

Encl- Booklet of Health Status- 1 Copy

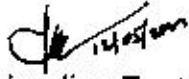

Superintending Engineer,
Maturbhanj Irrigation Division,
Baripada

Memo No- 2231(a)/WE

Dt- 12.05.23

Copy submitted the Chief Engineer & Basin Manager, Subarnarekha & Budhabalanga Basin, Laxmiposi, Baripada / Additional Chief Engineer, Baripada Irrigation Circle, Baripada for information & necessary action.

Encl- Booklet of Health Status- 1 Copy


Superintending Engineer,
Maturbhanj Irrigation Division,
Baripada



GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES
ODISHA, BHUBANESWAR

**HEALTH STATUS OF EXISTING RIVER / SALINE
EMBANKMENTS UNDER MAYURBHANJ IRRIGATION
DIVISION, BARIPADA (APRIL-2023)**

Superintending Engineer,
Mayurbhanj Irrigation Division,
Baripada

HEALTH STATUS OF EXISTING RIVER EMBANKMENTS 2023 UNDER MAYURBHANJ IRRIGATION DIVISION BARIPADA

THE DIVISION: MAYURBHANJ IRRIGATION DIVISION, BARIPADA

83.28 KM

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.	B.E.						TBL'm'	Slope	Top width "m"	Reverment packing in "m" with location	Spur in row with location		
1 TRE on right bank at 'Thayebur'			TRE		0.50	Subarnarekha Basin	Subarnarekha	Mayurbhanj	Reach-I, from RD 00 to 2800m	14.00	1.5:1	3.50	Gadighat 450.00	4nos at Tikayatpur high level spur		
2 TRE on right bank from Baranpura to Tambekhuri			TRE		3.50	Subarnarekha Basin	Subarnarekha	Mayurbhanj	Reach-I, from RD 2800 to 3500m	13.50	1.5:1	3.50	Bandhamundi 650.01		About 200m length of left bank has been severely scoured & tender has been invited for immediate restoration	
3 TRE on left bank from Jadapada to Gobra			TRE		2.50	Subarnarekha Basin	Sarnai	Mayurbhanj	Reach-I, from RD 00 to 1600m	20.00	1.5:1	3.00	Jadapada 870.00			
4 TRE on right bank from Gholmahan to Gandaguhall			TRE		1.60	Subarnarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 1600m	24.00	1.5:1	3.00	Gholamrha 350.00			
5 TRE on left bank from Parakoili to Panchagochhia			TRE		4.00	Subarnarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 1650m Reach-II, from RD 1650 to 2520m Reach-III, from RD 2520 to 4000m	23.50	1.5:1	3.50	Parakoili-260.00 Rukuni 919.00	3nos at Patkundia L.L. spur		
										22.00	1.5:1	3.50	Panchagochhia 200.00			

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"	Revertment packing in "m" with location	Spur in nos with location	
6	TRE on right bank from Sildapatpur to Bharadananda		TRE		6.00	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 4500m	22.00	1.5:1	3.00	Silda 100.00 Barakanda 1350.00			
									Reach-II, from RD 3500 to 6000m	22.00	1.5:1	3.00	Jamundia 791.00			
7	TRE on right bank from Bharadananda to Kusudina		TRE		3.50	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 3500m	21.00	1.5:1	3.00				
8	TRE on left bank at Bachhuripal		TRE		0.50	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 500m	20.00	1.5:1	3.00	Bachhuripal 145.00			
									Reach-II, from RD 00 to 300m	20.00	1.5:1	3.50	Sansa 983.00			
									Reach-III, from RD 300 to 1200m	20.00	1.5:1	3.00	Sansa 883.00			
9	TRE on left bank from Sansa to Musamari		TRE		3.00	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 1200 to 2080m	20.00	1.5:1	3.00	Debasia 630.00			
									Reach-IV, from RD 2080 to 3000m	20.00	1.5:1	3.00	Musamari- 75.00			
10	TRE on left bank from Ramchandrapur to Kaluni		TRE		1.50	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 1000m	20.00	1.5:1	2.50	Ramchandrapur 692.00			
									Reach-II, from RD 1000 to 1500m	20.00	1.5:1	2.50				
									Reach-III, from RD 00 to 2000m	20.00	1.5:1	2.00				

Resectioning required to maintain top width 3.0m

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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"	Reverment packing In "m" with location	Spur in nos with location	
11	TRE on right bank from Jhananala to Pinguli			TRE		8.00	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-II, from RD 2000 to 5000m	20.00	1.5:1	3.00	Vadisehi 500.00 Luhakanta 500.00 Duhulikura 450.00		Resectioning required to maintain top width 3.0m
12	TRE on right bank from Patharchaita to S.E. Railway			TRE		11.50	Subamarekha Basin	Jambhira	Mayurbhanj	Reach-I, from RD 00 to 6700m	17.80	1.5:1	2.00	Patharchaita 260.00, Bidhi 152.00, Badampur 1340.00 & EKall 365.00		Resectioning required for maintain top width 3.0m, TBL 18.5m & slope packing.
13	TRE on left bank at Sakua			TRE		1.00	Budhabalang a Basin	Budhabalanga	Mayurbhanj	Reach-I, from RD 00 to 300m	23.20	1.4:1	2.50	180m stone packing at Sakua		Strengthening required to achieve top width of 3m
14	TRE on left bank from Singlamunduli to Kaitpal			TRE		2.00	Budhabalang a Basin	Budhabalanga	Mayurbhanj	Reach-I, from RD 00 to 800m	22.60	1.5:1	3.00			Strengthening required to achieve top width of 3m
										Reach-II, from RD 800 to 2000m	22.60	1.5:1	2.80			Strengthening required to achieve top width of 3m
15	TRE on left bank at Panchaputuli			TRE		0.55	Budhabalang a Basin	Budhabalanga	Mayurbhanj	Reach-I, from RD 00 to 270m	21.80	1.4:1	2.00			Strengthening required to achieve top width of 3m
										Reach-II, from RD 270 to 550m	21.20	1.4:1	1.70			Strengthening required to achieve top width of 3m
16	TRE on right bank from Gambheria to Sorisakotha			TRE		2.00	Budhabalang a Basin	Budhabalanga	Mayurbhanj		22.50	1.5:1	3.50	40m stone packing at Sorisakotha		PMGSY road on top of TRE

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"	Revertment packing in "m" with location	
17	TRE on right bank of Danapal			TRE	0.70	Budhabalang a Basin	Budhabalang anga	Mayurbhanj	Reach-I, from RD 00 to 200m Reach-II, from RD 200 to 700m	22.50	1.5:1	2.50	200m packing at Danapal to the river side slope		Strengthening required to achieve top width of 3m
18	TRE on right bank at Ulapal			TRE	0.40	Budhabalang a Basin	Budhabalang anga	Mayurbhanj	Reach-I, from RD 00 to 120m Reach-II, from RD 120 to 500m	22.50	1.5:1	2.80	400m packing to the river side slope at Ulapal		Strengthening required to achieve top width of 3m
19	TRE on right bank at Tentel			TRE	0.50	Budhabalang a Basin	Budhabalang anga	Mayurbhanj	Reach-I, from RD 00 to 120m Reach-II, from RD 120 to 500m	22.40	1.4:1	2.20	400m packing to the river side slope at Tentel		Strengthening required to achieve top width of 3m
20	TRE on right bank at Arapala			TRE	1.00	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		22.50	1.5:1	3.00	1000m packing at Arapala		
21	TRE on right bank at Madhupur(Unchaba li)			TRE	1.20	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		22.40	1.5:1	3.00	1000m packing Unchaba li to Madhupur		
22	TRE on right bank at Sankucha			TRE	0.70	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		22.20	1.5:1	3.00	700m packing at Sankucha		
23	TRE on right bank at Singilia			TRE	1.00	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		22.20	1.5:1	3.00	1000m stone packing at Singilia		
24	TRE on right bank at Khuntapal			TRE	1.30	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		22.50	1.5:1	3.00	1300m stone packing at Khuntapal		
25	TRE on left bank near Dhingra & Barhapal			TRE	0.70	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		23.00	1.5:1	3.00	700m stone packing at Dhingra upto Barhapal		
26	TRE on left bank near Barhana			TRE	0.70	Budhabalang a Basin	Budhabalang anga	Mayurbhanj		23.00	1.5:1	3.00	700m stone packing		

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'	Reverment packing in 'm' with location	Spur in nos with location	
27	TRE on left bank near Paikapada			TRE		1.10	Budhabalang a Basin	Budhabalang	Mayurbhanj		23.00	1.5:1	3.00	1000m stone packing at Paikapada		
28	TRE on right bank from Cheengumangal pur to Dasour			TRE		2.00	Budhabalang a Basin	Gangahar	Mayurbhanj	Reach-I, from RD 00 to 2000m	41.50	1.5:1	3.00	70m stone packing at Cheengumangalpur		
29	TRE on right bank from Khadpal to Unchadhi			TRE		1.00	Budhabalang a Basin	Gangahar	Mayurbhanj	Reach-I, from RD 00 to 1000m	41.50	1.4:1	2.50	70m stone packing at Khadpal & 80m at Unchadhi		Strengthening required to achieve top width of 3m
30	TRE on left bank from Kunchibanria to Nunkua			TRE		7.60	Budhabalang a Basin	Gangahar	Mayurbhanj	Reach-I, from RD 00 to 150m	41.20	1.5:1	3.00			
										Reach-II, from RD 150 to 450m	40.00	1.4:1	2.70			
										Reach-III, from RD 450 to 1000m	40.00	1.4:1	2.80			
										Reach-IV, from RD 1000 to 2200m	41.00	1.5:1	3.00	450m stone packing at Kunchibanria		
										Reach-V, from RD 2200 to 5400m	41.20	1.4:1	3.00			
										Reach-VI, from RD 5400 to 6400m	41.20	1.4:1	3.50	500m stone packing at Kunchibanria		
										Reach-VII, from RD 6400 to 7600m	41.20	1.4:1	3.00			Strengthening required to achieve TBL & to maintain 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.	O.A.E.	T.R.E.	S.E.						TBL, m'	Side slope	Top width "m"	Reverment packing in "m" with location	Spur in nos with location	
31	TRE on left bank from Narangan to Palpatna			TRE	3.90	Budhabalang a Basin	Gangahar	Mayurbhanj	Reach-I, from RD 00 to 800m	40.00	1.5:1	3.50	300m stone packing at Narangan (Kangress Bandh)			
									Reach-II, from RD 800 to 2200m	40.00	1.5:1	3.50	300m stone packing at Tulasibani			
									Reach-III, from RD 2200 to 2800m	40.00	1.4:1	3.00	70m stone packing at Palpatna			
									Reach-IV, from RD 2800 to 3900m	40.00	1.4:1	3.00				
32	TRE on left bank from Bhanupur to Kantisahi			TRE	2.80	Budhabalang a Basin	Sono	Mayurbhanj	Reach-I, from RD 00 to 400m	26.50	1.4:1	2.80	200m stone packing at Bhanupur			
									Reach-II, from RD 400 to 800m	26.50	1.4:1	2.80	200m stone packing at Bhanupur			
									Reach-III, from RD 600 to 2000m	26.50	1.4:1	2.50	800m stone packing at Chakabramhanisahi			
									Reach-IV, from RD 2000 to 2800m	26.50	1.4:1	2.60	600m stone packing at Chakabramhanisahi & Manetri			
33	TRE on right bank from Baradihi to Parchipur			TRE	2.90	Budhabalang a Basin	Sono	Mayurbhanj	Reach-I, from RD 00 to 800m	26.30	1.4:1	2.50				
									Reach-II, from RD 800 to 1800m	26.50	1.4:1	2.80	400m stone packing at Chunguposi & Parchipur			

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		C.E.	O.A.E.	T.R.E.	S.E.						TBL 'm'	Side slope	Top width 'm'	Revertment packing in 'm' with location		Spur in nos with location
34	OAE on left bank at Kulipal		OAE			2.00	Budhabalang a Basin	Budhabalanga	Mayurbhanj	Reach-II, from RD 1800 to 2800m Reach-I, from RD 00 to 2000m	26.50	1.4:1	2.70	400m stone packing at Parthipur		Strengthening required to achieve top width of 3m
											03.25					Strengthening required to achieve top width of 3m

Certified that the embankments have been physically verified by J.E./A.E./AEE in 100%, S.E. Mbj, Irm, Divn., Baripada 50% & A.C.E., Baripada 25%

[Signature]
 J.E./Asst. Engineer,
 Baripada Irm, Sub-Divn.,
 Baripada

[Signature]
 Asst. Executive Engineer,
 Baripada Irm, Sub-Divn.,
 Baripada

[Signature]
 Superintending Engineer,
 Mayurbhanj Irrigation Division,
 Baripada

[Signature]
 Addl. Chief Engineer,
 Baripada Irrigation Circle,
 Baripada

[Signature]
 Collector & District Magistrate,
 Mayurbhanj, Baripada