



**CYCLONE / FLOOD CONTINGENCY
ACTION PLAN
FOR THE YEAR 2022**

**THAMMILERU, YERRACALVA,
KOVVADACALCA & YANAMADURRU DRAIN**

*Office of the
Superintending Engineer,
Irrigation Circle, Eluru*

CYCLONE/FLOOD CONTINGENCY ACTION PLAN

IRRIGATION CIRCLE, ELURU

Thammileru River:- Thammileru originates at Pothanavarigudem (V) in Khammam District and flows for 120 K.M, and bifurcates into East and West Thammileru. The total catchment of Thammileru is 1350 Sq.Km (525 Sq.miles). Flood moderation cum Irrigation Projects across Thammileru was constructed at Nagiredditgudem about 8 K.M, from Chintalapudi (M) West Godavari District.

Salient Features:

Catchment area	: 236 Sq. Miles
FRL / MWL	: +355.00 Ft.
TBL	: + 365.00 Ft.
Irrigation storage level	: +344.00 Ft
Gross Storage capacity	: +3000 Ft.

Spillway:-

No. of vents	: 3 Nos. x 40'x15'size
Discharge through vents	: 26000 C/S
Crest Level	: +340.00 Ft.

The flood level in Reservoir should be maintained at +344.00'. The irrigation storage level of the reservoir is +344 feet (104.85 mts). The flood patrolling rules formulated during the year 1974 based on flood flow on Thumburu Anicut at Raghavapuram and the gates Operation Schedules, the spill way regulator of Thammileru Reservoir Project has to be taken up for consideration for issue of flood warnings. Accordingly, the revised flood patrolling rules for Thammileru River and gates operation schedule are formulated.

Conservator:- Executive Engineer, Irrigation Division, Eluru opposite to Eluru Railway Station. Phone No: **08812-230427**

Cell No. **9701375822**

Jurisdiction:- For Thammileru floods in Eluru town limits and also upto Kolleru lake for East and West Thammileru arms from Bifurcation point near Food Corporation of India Godown

Assistant Conservator:- Deputy Executive Engineer, Head Quarter subdivision, behind A.R stadium Eluru phone No: **08812-231804**.

Cell No. **7989457025**

FLOOD WARNING LEVELS:

- 1) **1st warning:** When the flood water level touches +348 feet in the Reservoir and when there is a discharge (through spillway regulator) of 5000 cusecs the 1st warning will be level decreases to +344 feet.
- 2) **2nd warning:** When the Reservoir level exceeds +348 feet and the discharge through spillway regulator is 10,000 Cusecs and also based on atmospheric condition and inflows into the Reservoir the 2nd warning will be issued.

The Dy. Executive Engineer, S.I. Sub-Division, Eluru will camp at Thammileru Project site at Nagireddigudem and monitor the release of flood waters through spillway regulator as per the instructions of Flood Conservator from time to time till the flood waters recede.

Warnings at Bifurcation point in Eluru town limits:

- 1) **1st warning:** First warning will be issued, when the water level reaches +15.00 Mts. level reading on the gauge at the bifurcation point of Thammileru River in the outskirts of Eluru town. All flood duty officers should be available at their respective stations as soon as the first warning is issued.
- 2) **2nd warning:** Second warning will be issued by the Conservator, when the water level reaches +16.00 Mts. level at the bifurcation Point of Thammileru River. The flood duty Officers should resume their duties at their respective positions in the reaches as soon as the 2nd warning is issued.

DISPERSAL ORDERS

When the flood level goes below 15.00 mts level at bifurcation point and the trend is receding, dispersal orders will be issued by the Conservator.

The flood materials such as empty bags, bullocks, sand as per Appendix-E will be kept ready during floods season at the central stores at Eluru.

The list of Flood duties charts and Appendix – A,B,C,D,E & F are here with appended for guidance.

APPENDIX- A

List of Irrigation Department Officers to whom the flood messages will be sent when flood level reaches +15.00 mts gauge reading at the bifurcation point of East and West Thammileru in the outskirts of Eluru Town near F.C.I Godowns in Chintalpudi

- 1) Executive Engineer, Krishna Eastern Divn, Vijayawada
- 2) Dy. Executive Engineer, H.Q, Sub-Division, Eluru
- 3) Dy. Executive Engineer, S.I. Sub-Division, Eluru
- 4) A.E./ A.E.Es of S.I. sub- Division, Eluru
- 5) A.E/ A.E.E., of Krishna canal section, Eluru
- 6) Work Inspector, Irrigation Sub- Division, Eluru
- 7) Lock Superintendent, East Thammileru Lock, Eluru
- 8) Lock Superintendent, West Thammileru Lock, Eluru
- 9) AE/AEE, of Drainage Section, Pedapadu at Eluru
- 10) AE/AEE, of Drainage Section, Eluru

APPENDIX- B

List of Revenue Department Officers to whom flood messages will be sent when flood level +15.00 mts at bifurcation point, Eluru

- 1) Collector, Eluru District, Eluru
- 2) Revenue Divisional Officer, Eluru
- 3) Mandal Development Officer, Eluru
- 4) Mandal Development Officer, Denduluru
- 5) Mandal Development Officer, Pedapadu
- 6) Mandal Development Officer, Pedavegi

APPENDIX- C

List of Officers to whom flood messages will be sent where the water level reaches +16.00 mts at bifurcation point, Eluru

- 1) Collector, Eluru District, Eluru and Superintending Engineer, Irrigation Circle, Eluru
- 2) Revenue Divisional Officer, Eluru
- 3) Executive Engineer, Krishna Eastern Divin, Vijayawada
- 4) Thasildar, Eluru
- 5) Thasildar, Pedapadu
- 6) Thasildar, Denduluru
- 7) Commissioner, Eluru Municipality, Eluru

APPENDIX - D

(As now proposed)

A Stations along flood banks where flood tools are to be kept CENTRAL STORES:- (THAMMILERU)

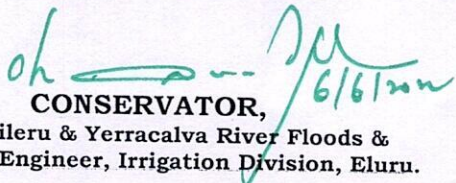
A building by the side of the Office of the Dy. Exec. Engineer, Spl. Investigation Sub- Divn., Eluru.

APPENDIX - E

(As now proposed)

List of stores and tools to be kept at Central stores. All flood materials will be stored at Central Stores, Eluru.

Sl. No	Description of item	Total requirement	Opening balance	To be procured	Total stock
1	2	3	4	5	6
	<u>TO O L S:</u>				
1	Mammoties.	20 Nos.	0	20 Nos.	--
2	Crow bars	10 Nos.	0	10 Nos.	--
3	Bamboo Thatties.	210 Nos.	0	160 Nos.	--
4	Torch Lights	10 Nos.	--	10 Nos.	--
5	Iron pans	20		20 nos	
	<u>S T O R E S:</u>				
1	Empty Cement bags.	60000 Nos.	1000 Nos.	59000 Nos.	--
2	Sand.	280 Cum.	10 Cum.	270 Cum.	--
3	Casurina bullies.	781 Nos.	25 Nos.	756 Nos.	--
4	Country twine.	20 Kgs	2 Kgs	18 Kgs.	--


CONSERVATOR,

Thammileru & Yerracalva River Floods &
Executive Engineer, Irrigation Division, Eluru.

APPENDIX - F

LIST OF FLOOD DUTY OFFICERS OF P.W.D. & REVENUE SUBORDINATES AND FLOOD STATIONS OF THAMMILERU

Length of flood banks to be patrolled		Flood Section Officers		P.W.D Officers to further supervise and take action	Revenue officers for co-operation and their Designation	Station where tools etc should be kept ready
From	To	P.W.D subordinate to supervise and patrol	Revenue subordinates Designation			
Km 0.00 Bifurcation point just above Tangellamudi, Eluru	Km 4.20 Eastern Lock on Krishna Eluru canal (Eluru town Limits)	Asst. Engineer, (section officer) K.E. canal, Eluru	M.R.I No.1 Eluru	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Eluru	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
Km 4.20 Eastern Lock on Krishna Eluru canal (Eluru town Limits)	Km 9.170 infalling into Kolleru Lake (Chataparru (v) limits)	A.E.E / S.I Sub Divin. Eluru	M.R.I No.2 Eluru	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Denduluru	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
EAST THAMMILERU LEFT SIDE						
Km 0.00 Bifurcation point just above Tangellamudi	Km 4.20 Eastern Lock on Krishna Eluru canal, Tangellamudi	A.E No.1 of S.I Sub Divin. Eluru	M.R.I No.1 Eluru	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Eluru	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
Km 4.20 Eastern Lock on Krishna Eluru canal, Tangellamudi (v) Limits	Km 9.170 infalling into Kolleru Lake (Chataparru (v) limits)	A.E.E / Drainage section. Eluru	M.R.I No.2 Eluru	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Denduluru	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
WEST THAMMILERU RIGHT SIDE						
Km 0.00 Bifurcation point just above Tangellamudi (v)	Km 2.500 West Lock escape on Krishna Canal Eluru Town	A.E/ Gopannapalem section, Eluru	M.R.I No.1 Pedavegi	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Pedavegi	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
Km 2.50 West Lock Escape on Krishna Canal, Eluru Town	Km 10.30 Sriparru Anicut limits	Work Inspection No.1 Irrigation Section, Eluru	M.R.I No.1 Pedapadu	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Pedapadu	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
WEST THAMMILERU LEFT SIDE						
Km 0.00 Bifurcation point just above Tangellamudi (v)	Km 2.500 West Lock escape on Krishna Canal Eluru Town	A.E. No.II, S.I sub Divin, Eluru	M.R.I No.2 Pedavegi	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Pedavegi	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru
Km 2.50 West Lock Escape on Krishna Canal, Eluru Town	Km 10.30 Sriparru Anicut Sriparru(v) limits	A.E/ Drainage section Pedapadu	M.R.I No.2 Pedapadu	Deputy Executive Engineer, H.Q. Subdivision, Eluru	M.D.O/ Pedapadu	Near the O/o the Dy.Executive Engineer H.Q. Subdivision, Eluru

CH
6/6/2020
CONSERVATOR

Thammileru & Yerracalva River Floods & Executive Engineer, Irrigation Division, Eluru

Yerracalava River:-

Yerracalva originates in Eastern ghats, Kothagudem Mandal, Khammam District and flows for 184Kms distance upto Nandamuru Aqueduct. The total catchment of Yerracalva is 2313 Sq.Km (900Sq Miles). A flood modernization cum Reservoir cum irrigation scheme was constructed across Yerracalva at Konguvarigudem village in Jangareddigudem Mandal.

Salient Features

Catchment area at dam site	:	1083 Sq.Km
Maximum Flood discharge	:	48400 C/s
F.R.L.	:	+81.05 Mt.
M.W.L.	:	+83.50 Mt.
T.B.L.	:	+86.00 Mt.
Storage Capacity at +81.05M	:	2450 Mcft.
Storage capacity at +83.50M	:	4423 Mcft.
Spill way Number of vents	:	4 x 12M x 5M
Crest Level	:	+78.50 M.

Conservator:- Executive Engineer, Irrigation Division, Eluru, opposite to Eluru Railway station. Phone No: **08812-230427**, for Reservoir and flood banks of Yerracalva, below Reservoir Project to Nandamuru Aqueduct.

Assistant Conservators:-

- 1) Deputy Executive Engineers, Uplands Sub Division, Koyyalagudem and I & E Sub Division, Jangareddigudem - **7013032269**

Flood warnings:- No warnings will be issued. only syron will be given while surplussing the water from the project to the downstream villages.

FLOOD WARNING LEVELS AT ANANTHAPALLI ROAD BRIDGE:

- 1) **1st warning:** First warning will be issued when the water level at Bridge reaches +3.00 mts
- 2) **2nd warning:** Second warning will be issued when the water level at Bridge reaches +3.50 mts

APPENDIX-A

List of Irrigation Department Officers to whom the Yerracalva Flood messages will be sent when Flood Level touches +3.00 mts at Ananthapalli Road Bridge.

- 1) Assistant Engineer/ Assistant Executive Engineer, Marteru, Tadepalligudem, Attili, Tanuku, Yerracalva Section, Tadepalligudem, Bandakattu Section, Koyyalagudem

APPENDIX-B

List of Revenue Department Officers and Hon'ble M.L.As to whom Flood Message will be sent when Flood level touches +3.00 mts and 3.50 mts at Ananthapalli Road Bridge

- 1) Collector, Eluru District, Eluru
- 2) Revenue Divisional Officer Jangareddigudem, Kovvur, Eluru and Bhimavaram and Narsapuram.
- 3) Mandal Parishad Development Officers, Jangareddigudem, Koyyalagudem, Nallajerla, Tadepalligudem and Nidadavole
- 4) Thasildar, Jangareddigudem, Koyyalgudem, Nallajerla, Tadepalligudem and Nidadavole.
- 5) M.L.A., Polavaram, Gopalavaram, Unguturu, Tadepalligudem, Tanuku and Attili.

APPENDIX-C

List of Officers to whom Flood Messages will be sent when the flood level touches +3.00 mts and 3.50 mts at Ananthapalli Road Bridge.

- 1) Executive Engineer, Godavari Western Division, Nidadavole and Drainage Division, Bhimavaram.
- 2) Asst. Engineer/ Asst. Executive Engineers, Irrigation Section, Marteru, Irrigation Section, Attilli, Irrigation Section, Tadepalligudem, Irrigation Section Tanuku, Yerracalva Section, Tadepalligudem and Bandakattu Section, Koyyalagudem.
- 3) Section Officers of No. 1&2 sections of I & E Sub- Division Jangareddigudem

APPENDIX-D

Flood Stores:

- 1) Dam Site at Konguvarigudem of Jangareddigudem(M)
- 2) Ananthapalli, of Nallajerla (M)
- 3) Pothavaram of Nallajerla (M)
- 4) Veeramapalem, of Tadepalligudem (M)
- 5) Madhavaram of Tadepalligudem (M)
- 6) Korumamidi of Nidadavole (M)
- 7) Tadimalla of Nidadavole (M)

Flood Banks at Vulnerable reaches: 33.83 KM.

- | | | |
|-----------------|------------------|----------------|
| (1) Pothavaram | (2) Veerampalem | (3) Nabipeta |
| (4) Pattampalem | (5) Ananthapalli | (6) Korumamidi |
| (7) Gundepalli | | |

Marginal Villages likely to be affected:

Pattampalem, Mahdvaram , Apparaopeta , Veerampalem and Nandamuru of T.P.Gudem (M) and Ananthapalli, Gundepalli of Nallajerla(M)
Korumamidi, Kamsalipalem, Singavaram and Timmagudem of Nidadavolu (M),Tyajampudi of Devarapalli (M)

APPENDIX - F

LIST OF FLOOD DUTY OFFICERS OF P.W.D. & REVENUE SUBORDINATES AND FLOOD STATIONS OF YERRACALVA

Sl. No.	Name of the Flood Bank	Flood Sub-Section Officers to Petrol the Bank etc.	FLOOD SECTION OFFICERS			FLOOD SUPERINTENDENT				Station where Tools & etc., should be kept in readiness	Revenue Officers for General Inspection
			PWD Subordinates to supervise & Petrol etc.,	Revenue Subordinates for operation & their flood stations.	Station	PWD Officers to supervise to take action	Revenue Officers for co-operation and their flood stations.	Flood Station			
1	Yerracalva Reservoir Dam	Section Officer No 1, I & E Sub-Division J.R.Gudem	Section Officer No.II, I & E Sub-Division, J.R.Gudem	Revenue Inspector, J.R.Gudem.	Janga-reddi-gudem	Deputy Executive Engineer, I & E Sub-Division, J.R.Gudem.	Mandal Revenue Officer, J.R.Gudem.	Konguvarigudem near Dam site	Konguvarigudem near Dam site	Rev. Divl. Officer, J.R.Gudem. MPDO., J.R.Gudem	
2	Pathavaram Flood Bank	Section Officer, No.II I & E Sub-Division, J.R.Gudem.	Section Officer, Bandakattu	Village Development Officer, Pothavaram	Pothavaram	Deputy Executive Engineer, Uplands Sub-Division, Koyyalagudem.	Mandal Revenue Officer, Nallajerla.	Ananthapalli	Pothavaram	Rev. Divl. Officer, Eluru. MPDO., Nallajerla.	
3	Ananthapalli Flood Bank, Gundepalli Flood Bank, Gundepalli Surplus course.	Section Officer, Irrigation Section, Tadepalligudem	Section Officer, Bandakattu	Revenue Inspector, Nallajerla.	Anantha-palli	Deputy Executive Engineer, Uplands Sub-Division, Koyyalagudem	Mandal Revenue Officer, Nallajerla	Ananthapalli	Ananthapalli	Rev.Divl. Officer, Eluru. MPDO., Nallajerla	
4	Veerampalem Left & Right banks, Pattampalem, Spillway flood bank	Section Officer No.II I & E Sub-Division J.R.Gudem.	Section Officer, Yerracalva Section, T.P.Gudem.	Revenue Inspector Tadepalligudem	Veeram-palem	Deputy Executive Engineer, Uplands Sub-Division, Koyyalagudem	Mandal Revenue Officer, Tadepalligudem	Tadepalligudem	Veerampalem	R.D.O.,Eluru. M P D O., T.P.Gudem	
5	Korumamidi, flood bank	Section Officer No.II I & E Sub-Division J.R.Gudem.	Section Officer, Bandakattu	Rev. Inspector, Devarapalli.	Anantha-palli	Deputy Executive Engineer, Uplands Sub-Division, Koyyalagudem	Mandal Revenue Officer, Devarapalli.	Ananthapalli	Korumamidi	R.D.O.,Eluru. M P D O., Devarapalli.	
6	Apparaopeta, Flood bank, and Madhavaram Flood bank	Section Officer, Drainage Section, Tanuku.	Section Officer, Yerracalva Section, T.P.Gudem.	Revenue Inspector Drainage cess Tadepalligudem	Madhavaram	Deputy Executive Engineer, Uplands Sub-Division, Koyyalagudem	Mandal Revenue Officer, T.P.Gudem.	Madhavaram	Madhavaram	R.D.O.,Eluru. MPDO., T.P.Gudem.	

Ch. - 2 - 6/6/2020

CONSERVATOR
Thammileru & Yerra calva River Floods &
Executive Engineer, Irrigation Division, Eluru.

APPENDIX - E

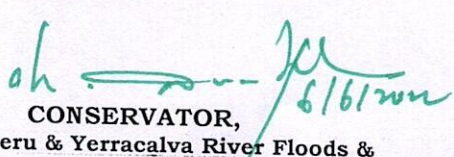
List of Stores and Tools to be kept at each station: **(YERRACALVA)**

Sl. No	Description of item	Total requirement	Opening balance	To be procured	Total stock
1	2	3	4	5	6
	<u>TOOLS:</u>				
1	Mammoties.	18 Nos.	--	18 Nos.	--
2	Torch lights	12 Nos.	--	12 Nos.	
3	Earth work baskets.	150 Nos.	--	150 Nos.	--
	<u>ST ORES:</u>				
1	Empty Cement bags.	150000 Nos.	2000	1,48,000 Nos.	--
2	Sand.	830 Cum	--	830 Cum	--
3	Casurina bullies.	1800 Nos.	--	1800 Nos.	--
4	Bamboos.	480 Nos.	---	480 Nos.	
5	Country twine.	60.00 Kgs	--	60.00 Kgs	--
6	Gum shoes	9 Pairs	--	9 Pairs	--
7	Rain coats	9 Nos.	--	9 Nos.	

Flood Warnings:

1st Warning: First Warning will be issued when the Water Level at Anathapalli road bridge will reach at + 3.00 Mtrs.

2nd Warning: Second Warning will be issued when the water level at Anathapalli road bridge will reach at + 3.50 Mtrs.


CONSERVATOR,
Thammileru & Yerracalva River Floods &
Executive Engineer, Irrigation Division, Eluru.

KOVVADA CALVA:-

As directed by the District Administration during last floods the following flood stores are being maintained to take precautionary measures.

Flood warnings:- No warnings will be issued.

Temporary Flood stores:-

- 1) Pragadapalli
- 2) Venkatapuram
- 3) Kothapattisam
- 4) Pathapattisam
- 5) Gutala

List of stores and tools to be kept at Central stores. All flood materials will be stored at Central Stores

Sl. No	Description of item	Total requirement	Opening balance	To be procured	Total stock
1	2	3	4	5	6
	TOOLS:				
1	Mammoties	7 nos	----	7 Nos	----
2	Torch Lights	12 Nos	--	12 Nos.	--
	STORES:				
1	Empty Cement bags.	1,00,000 Nos.	14000 Nos.	86,000 Nos	14000 Nos.
2	Sand.	770 Cum.	-----	770 Cum.	-----
3	Casurina/ Country wood bullies.	500 Rmt	----	500 Rmt	----
4	Bamboos Thatties.	1000 Sq.mt	----	1000 sq mts	----
5	Country twine.	60 Kgs.	--	60 Kgs.	--
6	Gum shoes	6 Nos.	--	6 Nos.	--
7	Rain Coats	6 Nos.	--	6 Nos.	--


CONSERVATOR
Kovvadacalva River Floods &
Executive Engineer,
Irrigation Division, Eluru

Yanamaduru Drain:-

The Yerracalva below Nandamuru Aqueduct is called as Yanamadurru drain. After flowing for a distance of 61 Kms., the Yanamadurru Drain joins Upputeru and Upputeru in turn finally joins Bay of Bengal. During rainy season due to floods in Yerracalva & Yanamadurru Drain, the marginal agricultural lands of Nidadavole, Tadepalligudem, Tanuku, Pentapadu, Ganapavaram, Attili, Palacoderu, Undi, Bhimavaram and Mogalthuru will be submerged and there may be heavy loss to the crops. Flood Banks on both sides of Yanamadurru Drain were formed for a length of 60.30 Kms (38.20Miles) to avoid submersion of lands and to save standing crops.

Conservator:- Executive Engineer, Godavari Western Division,
Nidadavole Phone Nos. **Office – (08813) 298048**
Cell No. 9490151001

Jurisdiction:- Executive Engineer, Godavari Western Division,
Nidadavole Conservator for the course below the Nandamuru Aqueduct
is Yanamaduru Drains from Km0.00 to Km 60.330.

Salient Features of Nandamuru Aqueduct:-

Old Aqueduct: 4 vents 12.19x2.44 Mts.Discharge 8000C/S
New Aqueduct: 7 vents 15.20x2.80 Mts.Discharge 20,250C/S
Max. discharge recorded at Duvva Regulator: 20,250C/S

FLOOD STORES:-

- 1) Duvva Flood Store at M.6/0
- 2) Meenavalluru Flood Store at M. 10/0
- 3) Pippara Flood Store at M. 15/0
- 4) Yendagandi Flood Store at M. 20/0
- 5) Bhimavaram Flood Store at M. 27/0
- 6) Gollavanithippa Flood Store at M. 33/0
- 7) Nandamuru Aqueduct at M. 0/0(Temporary)

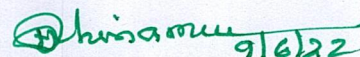
FLOOD WARNING LEVELS (Nandamuru Aqueduct):

- 1) **1st warning:** When water level touches +29.00 feet at Nandamuru Aqueduct.
- 2) **2nd warning:** When the water level touches +31.00 feet at Nandamuru Aqueduct.
- 3) **3rd warning:** When the flood level touches+ 34.00 Ft, Plying of lunches, Boats etc., will not be allowed.

Villages likely to be affected:-

Right Bank: Duvva, Menavalluru, Kommara, Pippara, Kesavaram, Konedepadu, Yendagandi, Garagaparru, Dirusumarru, Gollavanitippa, Gutlapadu.

Left Bank:- Kaldhari, Duvva, T.Girupathipuram, Kommara, Pippara, kesavaram, Eduru, Mogallu, Palacoderu, Dirusumarru, Gollavanitippa, Kalipatnam.

 9/6/22

CONSERVATOR

Yanamadurru Drain Floods &
Executive Engineer, G.W.Division,Nidadavole

VULNERABLE POINTS

S.No.	Mileage	Details of Vulnerable Points	Village
RIGHT BANK.			
1	Km.17.701 to 19.31	At Meenavalluru (v) Points	Meenavalluru
2	Km.23.130 to 23.732	At Kommara (v) limits	Kommara
3	Km.26.550 to 26.750	At Pippara (v) Limits Goparjucodu inlet	Pippara
4	Km.28.960 to 29.160	Gundrajucodu inlet points	Kesavaram
5	Km.30.570 to 30.770	Alaeedu inlet point	Kondepadu
6	Km.32.18 to 32.380	At inlet point	Yendagandi
7	Km.34.100 to 34.590	At Garagaparru (v) limits	Garagaparru
8	Km.51.49 to 51.69	At Dirusumarru (v) limits	Dirusumarru
9	Km.54.700 to 5.110	At Gollavanitippa (v) limits	Gollavanitippa
10	Km.55.150 to 55.710	At Gutlapadu (v) Limits	Gutlapadu
LEFT BANK			
11	Km.0.800 to 1.050	Slipped and erosion of Bank	Kaldhari
12	Km.11.800 to 11.900	Erosion of Bank (read point)	Duvva
13	Km.17.226	Aruthalacodu inlet vents and wing walls damaged, Low level bank	Tirupathipuram
14	Km.17.400	Pipe inlet damaged	-do-
15	Km.18.200	Pipe inlet damaged & Low level bank	Kommara
16	Km.19.200 to 20.00	Bank erosion & slipping (30 Mts. Height:50 Mts. Length)	-do-
17	Km.22.077	Padmanabhu codu inlet damaged and low level banks	-do-
18	Km.22.800	Bank erosion & slips	Pippara
19	Km.23.66 & 23.682	Karracodu, Badavacodu inlet and Low level bank	-do-
20	Km.29.688	Lambadicodu inlet damaged and low level bank	Kapavaram
21	Km.29.280	Rajucodu inlet damaged & Low level banks	Eduuru
22	Km.35.520	Erlacodu inlet damaged and low level banks	Mogallu
23	Km.35.700	Bank erosion and slipping	-do-
24	Km.37.300	Bank erosion and slipping	-do-
25	Km.50.300 to 51.150	Erosion and low level Bank	Dirusumarru
26	Km.52.100 to 52.700	Low level bank	-do-
27	Km.53.550 to 54.915	Low level bank	Gollavanitippa
28	Km.59.950 to 60.380	Low level bank	Kalipatnam.

LIST OF BRIDGES AND IMPORTANT STRUCTURES ALONG
YENAMADURRU DRAIN.

Sl.No.	Name of Bridge	Location	Village.
BRIDGES			
1	Duvva Bridge	M.5/6	Duvva
2	Meenavalluru	M.10/0	Meenavalluru
3	Pippara Bridge	M.15/0	Pippara
4	Kesavaram Bridge	M.17/2-3	Kesavaram
5	S.Kondepadu Bridge	M.19/0-1	S.Kondepadu
6	Yendagandi bridge	M.21/0	Yendagandi
7	Garagaparru Bridge	M.22/2	Garagaparru
8	Gollalakoderu bridge	M.23/6	Gollalakoderu
9	Bhimavaram Railway bridge	M.27/7	Bhimavaram
10	Bhimavaram Road bridge	M.26/0	-do-
11	Bhimavaram Footpath Bridge	M.28/2	-do-

Sl.No.	Name of Bridge	Location	Village.
STRUCTURES			
1	Nandamuru Aqueduct	M.0/0	Nandamuru
2	Kaldhari drain outfall sluice	M.0/1-2 RB	-do-
3	Duvva Head sluice/Road bridge	M.5/2 RB	Muddapuram
4	Duvva Regulator	M.6/0	Duvva
5	Rajucodu drain outfall sluice	M.18/5-6 LB	Kondepadu
6	Erlacodu drain outfall sluice	M.20/4-5 LB	Mypa
7	Gostanadi Drain outfall sluice	M.23/3 LB	Palakoderu
8	Uppukodu drain outfall sluice	M.31/2-6 LB	Kalipatnam.

Statement showing the details of flood materials required, available and balance to be required
in Godavari Western Division, Nidadavole as on 06/2022

Sl. No.	Name of Flood store	Description of Materials	Required quantity	Available Qty.	Balance to be required.
1	Gollavanitippa flood stores at Bhimavaram	Casurina piles of 3m. Long	300 nos.	75 nos.	225 nos.
		E.C bags	15000 Nos.	7000 nos.	8000 nos.
		Bamboo thatties (1m x 3m)	150 Sqft.	50 Sqft.	100 Sqft.
		Sand	150 cum		150 cum
		Sand filled bags	4500 nos.	400 nos.	4100 nos.
		Bamboo	150 Nos.	40 nos.	110 nos.
		Country twine	52.5 Kg		52.5 Kg
2	Bhimavaram flood store at Bhimavaram.	Casurina piles of 3m. Long	300 nos.	75 nos.	225 nos.
		E.C bags	15000 Nos.	6000 nos.	9000 nos.
		Bamboo thatties (1m x 3m)	150 Sqft.	40 Sqft.	110 Sqft.
		Sand	150 cum		150 cum
		Sand filled bags	4500 nos.	700 nos.	3800 nos.
		Bamboo	150 Nos.	50 nos.	100 nos.
		Country twine	52.5 Kg		52.5 Kg
3	Pippara flood store at Pippara	E.C.Bags	20000 Nos	2200	17800Nos
		Casurina Ballies 100 to 150mm.dia.	800 Rmt	300	500 Rmt
		Bamboo thatties	600 Sqmt	75	525 Sqmt
		Bamboos 50 m. dia 5mts. Long	100 Nos.	--	--
		Sand	200 cum.	0	200 cum.
		Sand filled bags	3000 Nos	100	2900 Nos
4	Meenavalluru flood store at Meenavalluru	E.C.Bags	20000 Nos	3500	12500 Nos.
		Casurina Ballies 100 to 150mm.dia.	800 Rmt	135 rmt	665 Rmt.
		Bamboo thatties	550 Sqmt	120 sqmt.	430 Sqmt
		Bamboos 50 m. dia 5mts. Long	100 Nos.	--	--
		Sand	200 cum.	0	200 cum.
		Sand filled bags	3000 Nos	200	2800 Nos
5	Duvva flood store at Duvva	E.C.Bags	20000 Nos	2000 Nos.	18000 Nos.
		Casurina Ballies 100 to 150mm.dia.	800 Rmt	210 Rmt.	590 Rmt.
		Bamboo thatties	600 Sqmt	54 Sqmt.	546 Sqmt.
		Bamboos 50 m. dia 5mts. Long	100 Nos.	--	--
		Sand	250 cum.	0	250 cum.
		Sand filled bags	3000 Nos	0	3000 Nos
6	Yendagandi flood store at Yendagandi Lock.	E.C.Bags	15000 Nos	1000 Nos	14000 Nos
		Casurina Ballies 100 to 150mm.dia.	900 Rmt	60 RMT	840 Rmt
		Bamboo thatties	900 Sqmt	60 Sqm	840 Sqm
		Bamboos 50 m. dia 5mts. Long	100 Nos.	--	--
		Sand	150 cum.	30 Cum	120 Cum
		Sand filled bags	4500 Nos	NI	4500 Nos
7	Temporary flood store at Nandamuru Aqueduct	E.C.Bags	7500 Nos	2500 Nos	5000 Nos
		Casurina Ballies 100 to 150mm.dia.	450 Rmt	150 Rmt	300 Rmt
		Sand	150 cum.	0	150 cum.
		Sand filled bags	1500 Nos	0	1500 Nos
		Torch Lights	5 Nos.	0	5 Nos.

(Signature)

Executive Engineer, 9/6/22
G.W.Division, Nidadavole

(Signature)
9-6-22

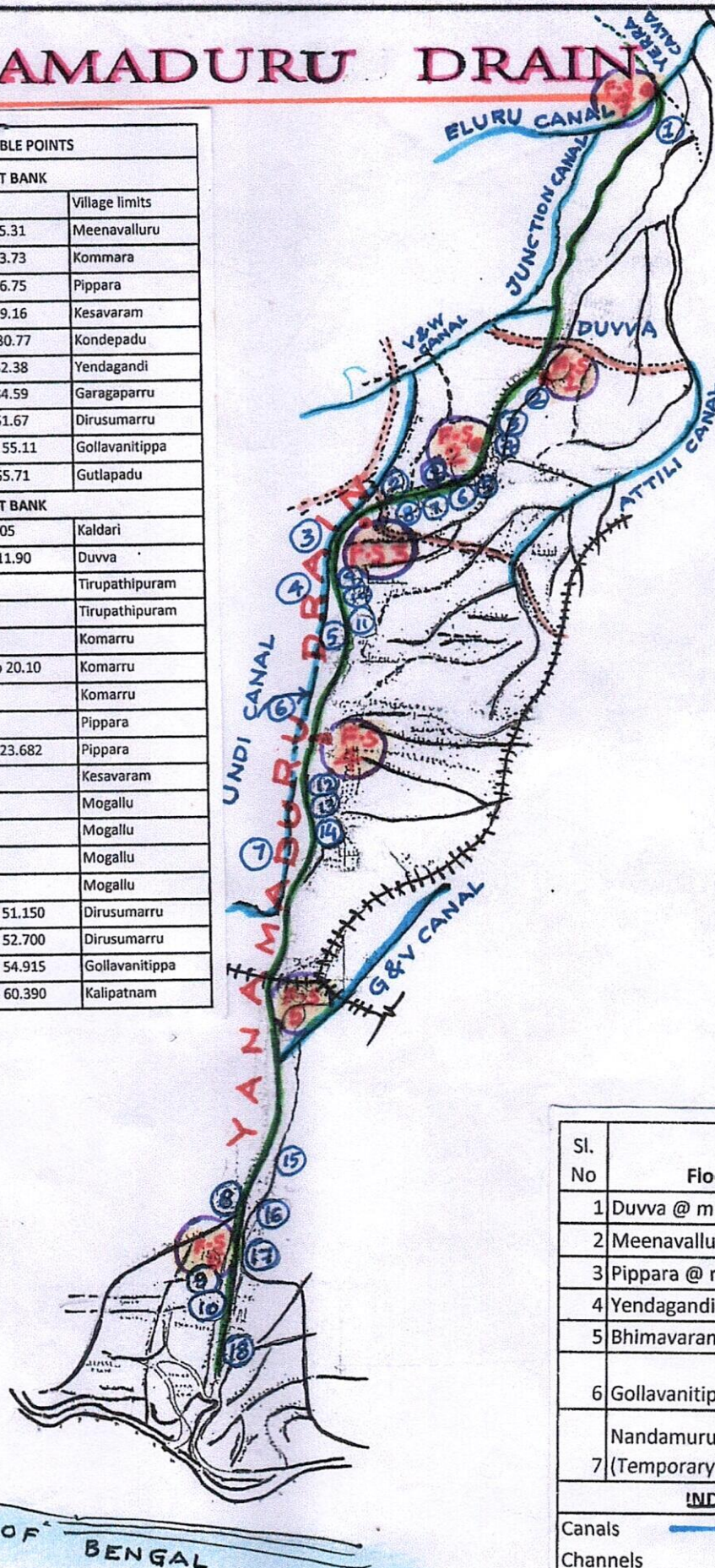
No. of Coolies to be engaged by each Section Officer	Mileage	Flood Sub Section Officer to Control banks	Villages Covered	Name of the Mandal	Flood Officer Irrigation subordinate to supervise and Control etc.,	Section Revenue subordinate for cooperation their floods station	Flood Superintendents	Station where tools kept in realines	Revenue Officers for General supervision	
						Mileage/ Designation	Dy.EE	EE	Designation	Flood Station
	M.3/0 to 16/0 Yenamadurru u drain right u flood bank	1) M.3/0 to 9/0 ICA/ T.P.Gudem (Duva Hd.Qrs.) 2) M.9/0 to 12/4 ICA/Ganapavaram (Meenavalluru Hd.Qrs.) 3) M.12/4 to 16/0 ICA/Lower Akividu (Pippara Hd.Qrs.)	1) Duuva 2) Meenavalluru 3) B. Kondapadu 4) Pippara	Pentapadu & Ganapavaram	Assistant Engineer/Ganapavaram (Pippara Hd.Qrs.)	1) M.3/0 to 9/0 MRI T.P.Gudem 2) M.9/0 to 12/4 MRI Pentapadu 3) M.12/4 to 16/0 MRI Unguturu	M.3/0 to 23/6 DEE Undi	--	M.3/0 to 23/6 MRIO Ganapavaram	Kesavaram
	M.15/0 to 23/6 Yenamadurru u drain right u flood bank	1) 16/0 to 20/0 ICA Undi (Kesavaram hd.qrs) 2) M.20/0 to 23/6 Tech Maistry Undi Yendagandi Hd.Qrs.	1) Kesavaram 2) Yendagandi 3) Gollalacoderu 4) Garagaparru	Ganapavaram, Undi, Palakoderu	Assistant Engineer/Undi (Yendagandi hd.Qrs)	1) M.16/0 to 20/0 MRI Ganapavaram 2) M.20/0 to 23/6 MRI Undi	M.3/0 to 23/6 DEE Undi	--	M.3/0 to 23/6 MRIO Ganapavaram	Kesavaram
	M.23/6 to 28/0 Yenamadurru u drain right u flood Bank	1) M.23/0 to 26/0 Tech Maistry Bhimavaram Hd.Qrs. 2) M.26/0 to 28/0 toepath Gumastha/ Tanuku (hd.Qrs Bhimavaram)	1) Bhimavaram	Palakoderu, Bhimavaram	Assistant Engineer/ Penumantra (Bhimavaram Hd.Qrs)	1) M.23/6 to 26/0 MRI Undi 2) M.26/0 to 28/6 MRI Bhimavaram	M.23/6 to 37/4 DEE Tanuku	--	M.23/6 to 37/4 MRIO BVRM, Palakoderu, Mogalthuru	Kesavaram
	M.28/0 to 37/4 Yenamadurru u drain right u flood bank	1) M.28/0 to 31/0 ICA/ Mandapaka BVRM Hd.Qrs.) 2) M.31/0 to 34/0 ICA/BVRM of YendagandiSec. Gollavanitippa Hd.Qrs. 3) M.34/0 to 37/4 ICA/ Kalipatnam Thokatippa Hd.Qrs.	1) Yenamadurru 2) Dirusumaruru 3) Gollavanitippa 4) Gutlapadu	Bhimavaram and Mogalthuru	Assistant Engineer/ Kalipatnam (Hd.Qrs at Gollavanitippa)	1) M.28/0 to 31/0 MRI BVRM 2) M.31/0 to 37/4 MRI Kalla	M.23/6 to 37/4 DEE Tanuku	--	M.23/6 to 37/4 MRIO BVRM, Palakoderu, Mogalthuru	Kesavaram

	M.0/0n to 5/0, M.5/0 to 16/0 Yenamadur u right flood bank	1) M.0/0 to 9/0 ICA Upper Chilikampadu (Duwa Hd.qrs) 2) M.9/0 to 12/4 ICA Lower Chilikampadu 3) M.12/4 to 16/0 ICA Upper Chilikampadu 4) M.16/0 to 20/0 ICA Upper Chilikampadu	1) Duwa 2) Tirupathipuram 3) Ramachandrapuram 4) Kommara	Tanuku & Attili	Assistant Engineer/ Chilikampadu of Kommara H.Q	1) M.0/0 to 9/0 MRI Tanuku 2) M.9/0 to 12/4 MRI Attili 3) M.12/4 to 16/0 MRI Penumantra	Duwa Tirupathipuram Pippara	M.0/0 to 23/6 DEE/ Undi	--	M.0/0 to 23/6 MRO Attili	Tirupathipuram	Duwa	RDO Kowuru
	M.16/0 to 23/6 Yenamadur u drain right flood bank	1) M.23/6 to 20/0 ICA/ Gollakoderu 2) M.20/0 to 23/6 ICA Upper Akividu Palakoderu Hd.Qrs.	1) Kesavaram 2) Kondepadu 3) Myra	Attili & Palakoderu	Assistant Engineer/ Yendagandi (Kondepadu Hd.qrs)	1) M.16/0 to 20/0 MRI Penumantra 2) M.20/0 to 23/6 MRI Palakoderu	Pippara Ganapavaram	M.0/0 to 23/6 DEE Undi	--	M.0/0 to 23/6 MRO Attili	Tirupathipuram	Yendagandi	RDO Kowuru
	M.23/6 to 28/0 Yenamadur u right flood bank	1) M.23/6 to 26/0 ICA/Penumantra, Palakoderu Hd.Qrs. 2) M.26/0 to 28/6 ICA upper BVRM, BVRM Hd.qrs.	1) Palakoderu 2) Bhimavaram	Palakoderu, Bhimavaram	Assistant Engineer/ Bhimavaram (BVRM Hd.qrs)	1) M.23/6 to 26/0 MRI Palakoderu 2) M.26/0 to 28/6 MRI Veerasaram	Garagaparru Yenamadurru	M.23/6 to 37/4 DEE Tanuku	--	M.23/6 to 37/4 MRO BVRM, Palakoderu, Mogalthuru	Tirupathipuram	Bhimavaram	RDO Narasapur am.
	M.28/0 to 37/4 Yenamadur u drain right flood bank	1) M.28/0 to ICA Upper Attili BVRM Hd.Qrs. 2) M.31/0 to 34/0 ICA/Lower Attili 3) M.34/0 to 37/4 Gollavanitippa Hd.Qrs. 4) M.37/4 to 40/0 Gaugegumastha Nagidipalem (Thokatippa Hd.Qrs.)	1) Nagidipalem 2) Losari 3) Pathapadu	Bhimavaram and Mogalthuru	Assistant Engineer/ Attili (H.Q. at Gollavanitippa)	1) M.28/0 to 31/0 MRI Veerasaram 2) M.31/0 to 37/4 MRI Mogalthuru	Garagaparru Kalipatnam	M.23/6 to 37/4 DEE Tanuku	--	M.23/6 to 37/4 MRO BVRM, Palakoderu, Mogalthuru	Tirupathipuram	Gollavanitippa	RDO Narasapur am.

YANAMADURU DRAIN

N

VULNERABLE POINTS		
RIGHT BANK		
No		Village limits
1	Between km 12.30 to 15.31	Meenavalluru
2	Between km 23.13 to 23.73	Kommara
3	Between km 26.35 to 26.75	Pippara
4	Between km 28.96 to 29.16	Kesavaram
5	Between km 30.57 to 30.77	Kondepadu
6	Between km 32.16 to 32.38	Yendagandi
7	Between km 34.10 to 34.59	Garagaparru
8	Between km 51.49 to 51.67	Dirusumarru
9	Between km 54.70 to 55.11	Gollavanitippa
10	Between km 55.15 to 55.71	Gutlapadu
LEFT BANK		
1	Between km 0.80 to 1.05	Kaldari
2	Between km 11.80 to 11.90	Duvva
3	km 17.226	Tirupathipuram
4	km 17.400	Tirupathipuram
5	km 18.200	Komarru
6	Between km 19.200 to 20.10	Komarru
7	KM 22.077	Komarru
8	KM 22.60	Pippara
9	Between km 23.66 to 23.682	Pippara
10	km 25.655	Kesavaram
11	km 28.220	Mogallu
12	km 35.520	Mogallu
13	km 35.700	Mogallu
14	km 37.300	Mogallu
15	Between km 50.30 to 51.150	Dirusumarru
16	Between km 52.10 to 52.700	Dirusumarru
17	Between km 53.55 to 54.915	Gollavanitippa
18	Between km 59.45 to 60.390	Kalipatnam



Sl. No	Flood Store
1	Duvva @ m 6.00
2	Meenavalluru @ m 10.00
3	Pippara @ m 15.00
4	Yendagandi @ m 20.40
5	Bhimavaram @ m 28.00
6	Gollavanitippa @ m 33.00
7	Nandamuru Aqueduct (Temporary) @ m 0.00
INDEX	
Canals	
Channels	
Drains	
Roads	
Railway line	

