South Central Railway

EXTRA ORDIONARY GAZETTE MONSOON INSTRUCTIONS - 2024

Joint Engineering, Operating & Electrical Circular -2024 Action Plan for Cyclones – Weather Warnings

(Valid till further revision)

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PART - A

(Pre- Monsoon Precautions)

1. Preamble

1.1 This Joint Circular on Monsoon Instructions supersedes all the earlier joint circulars issued on this subject.

Monsoon period in South Central Railway:

South West monsoon ------15thJune to 15th October. North East monsoon-------15thSeptember to 15th January. (Note: Likely to extend by few days on either side.)

1.2 Affected Areas:

(i) South West Monsoon:

SC Division

HYB Division

NEDDivision

GNT Division

GTL Division (North of Kadapa)

BZA Division(North of Ongole)

(ii) North East Monsoon:

GTL Division: South of Kadapa. BZA Divisions: South of Ongole.

- (iii) South West & North East Monsoon:
 - a) Partially Vijayawada Division i.e. between Ongole- Ammanabrolu Stations of Gudur-Vijayawada Section.
 - b) Guntur Division
 - i. Donakonda Giddaluru Section.
 - c) Guntakal Division
 - i. Bhakarapeta-Kadapa Section.
 - ii. Chigicherla Dharmavaram Section.
- 1.3 Disruption to traffic can take place due to heavy rains, storms, and cyclones. This Circular gives important guidelines regarding receipt and transmission of the weather/cyclone warning messages and action to be taken immediately for the safety, security, and comfort of the passengers. It covers all the important precautions to be taken by concerned staff of respective departments during the monsoon season. The content of this circular is not exhaustive to cover every aspect of dealing with the emergency and therefore appropriate action has to be taken by all the Railway staff with prudence to face the situations that mayarise during such exigencies.
- 1.4 A copy of this joint circular should be available in each control office, and also with Engineering Control, Traction Power control office, Traction Loco Control, Power Control, Security Control, Commercial Control, Electrical Control, Stations, the officers and Supervisors of Engineering, Electrical & Operating Departments.

2. Action by the Sr. Section Engineers (P.Way& Works) before Onset of Monsoon

Before the onset of Monsoon, the following Monsoon precautions are to be followed by Section Engineers and staff of P.way & Works.

2.1 Attention to Banks (by SSE/P.way):

- (i) At bad bank locations which are liable to slips and subsidence.
- (ii) Filling up scour and ruts.
- (iii) Making up deficiencies in slopes and cess, sub banks.
- (iv) Repairing rat holes, fissures, and pitching.
- (v) Improvements to drainage of borrow pits.

(vi) Ensuring good outlets for the central drain of double line banks.

2.2 Attention to Cutting (by SSE/P.way):

- (i) Trees likely to fall to be felled.
- (ii) SSE/P.Way and SSE/OHE will carry out a joint survey to identify trees likely to fall on OHE and SSE/P.Way shall ensure to cut these trees by end of May.
- (iii) Clear side and catch water drains including removal of silt and vegetation.
- (iv) Improve drainage in the track.
- (v) Ensure continuity of side drains across the road in LCs.
- (vi) Carryout revetment and pitching at soft spots on the side slopes.
- (vii) Remove loose boulders and disintegrated rocks on the slopes. When in doubt, post watchmen, especially during heavy rains in the regions.
- (viii) Special attention to be paid to the approaches of cutting to tunnels.
- (ix) In coastal areas, proper side drains and catch water drains are to be provided along the track, where found necessary in station yards to avoid flooding.
- (x) Improve surface drains and attend to boulder drains, pitch the outfall to prevent scour.
- (xi) Prevent water logging in track circuits.
- (xii) Longitudinal and cross drain should have clear out fall.

2.3 Attention to Bridges (by SSE/P.way & SSE/Works):

- (i) Pre-monsoon inspections & maintenance of bridges shall be carried out by SSE/P.way SSE/Works as per Engineering standing order no. 82 dated 05-07-2019 and Engineering Standing Order no. 83 dated: 07-01-2020.
- (ii) Repair disturbed pitching, flooring, drop wall and protective works viz., spurs, groynes and bell mouth.
- (iii) Fill up the scour around the piers, abutments and returns
- (iv) De-silt and clear obstruction in the vent ways and water way.
- (v) Mark HFL and Danger Level correctly.
- (vi) To ensure all structures bonds and earthling are connected to rails, bridges structures, pipeline/handrails running on bridge.
- (vii) Ensure adequate drainage in RUB / LHS locations. Arrange for pumping in problematic locations.

2.4 Attention to Tunnels and Tunnel approaches (by SSE/P.way).

- (i) Clear obstruction and improve overhead drainage.
- (ii) Clear trolley and man refuges.
- (iii) Attend catch and side drains at portals.
- (iv) Clear the weep holes of lined section.
- (v) Grout and point cracks in masonry/concrete lining.
- (vi) Tap and remove loose projection or hollow sound portion.

3 Action by SSE/OHE & SSE/Works or SSE/P.way:

- 3.1 A joint inspection of all FOBs should be conducted before the onset of monsoon to identify any leakages of rainwater falling on OHE wire and rectify the same (SSE/Works).
- 3.2 Ensure safety of height gauges at all level crossings on traction territory according to para 16.11 of G&SR (SSE/P.way).

4 Railway Affecting Tanks (SSE/P.way)

- 4.1 Liaison with local irrigation authorities regarding status of repairs and condition of RATs.
- 4.2 Name and Telephone Nos of ADENs, SSEs/JE/P-way & Works (Rlys) and corresponding AEEs, Dy.EEs, EEs (Irrigation Dept) VROs and MRO/Tahsildar, already displayed at the stations, should be authenticated and updated. Unit for Railway shall be jurisdiction of ADENs, and Irrigation unit shall be the concerned RATs, which may affect the track, bridges and colonies located on the either side of the Block section for a particular station. Refer **Annexure-C**.

4.1 Flood prone areas

- Identification of flood prone stretches and stretches where possibilities of tree falling exists.
- (ii) Identification of areas where there is a likelihood of boulder fallings.

4.2 Monsoon Emergency Reserve Stock

- 4.2.1 The locations and the prescribed quantities of Monsoon Emergency Reserve Stock i.e., sand, boulders and empty cement bags including Tarpaulin sheets is given at Annexure-A. It should be ensured that the materials are made available accordingly before the onset of monsoon.
- 4.2.2 In addition to Monsoon reserve stock mentioned above, the following materials are to be kept ready on wheels for handling any emergency situations of breaches and washouts.
 - (i) 10 covered wagons filled with boulders and 10 wagons filled with stitched sandbags at RU, KCC, KZJ & NED.
 - (ii) RH girders one set each of 16.3m and 13.4m length on BFRs with 50 Nos of Steel Cribs (duly secured) at KZJ, KCC, RU & NED.
 - (iii) List of Agencies with addresses and contact numbers for supply of earthwork machinery like Excavators, Tippers, Tractors, Dozers etc., Ready mix plants / Ajax mixers for concrete, NP-4 Hume pipes, labour supply, material supply like Boulders, sand, quarry dust etc, for restoration is to be maintained and up-dated before every monsoon.

4.3 Anemometers:

- (i) As per para 717 of IRBM, Anemometers should be installed at one of the stations close to the selected Bridges, where high winds are experienced and there is danger of vehicle capsizing.
 - According to para 2.11.3 of G&SR, the SM shall take the following action if the anemometer is indicating wind velocity higher than the danger level as prescribed by Special Instructions
 - a. The SM shall inform the SCOR and the SM on the other side immediately about the need to control the movement of trains.
 - b. The SM shall not start or allow the movement of trains through his station and also not grant Line Clear to the trains waiting at the adjacent station for his station.
 - c. He shall resume normal running of trains in consultation with the SCOR and the SM at the adjacent station after the wind velocity is again below the danger level as prescribed by Special Instructions.
- (ii) Continuous power supply to the anemometers installed to be ensured before monsoon (UPS/IPS) by Electrical, Operating & Engineering supervisors of the station.

5 Action by TRD staff before Monsoon:

5.1 Pre-Monsoon check list for OHE:

- (i) Ensure removal of banners/hoardings/Kite threads in the vicinity of OHE.
- (ii) Identify loose trees /weak trees/ bushes/ creepers nearer to the tracks (including in private lands) and advise Engg. Dept for immediate cutting of trunk/ removal of entire tree. Trees which are within h + 4m and leaning towards track are to be removed on priority. Such trees to be identified jointly by Engineering and TrD. Engineering department to obtain permission from Forest department, wherever required.
- (iii) Ensure trimming of tree branches towards track such that there is clear distance of 4m from centre line of track. As per Joint circular dt 08.6.1998 issued by Member (Engineering) & Member (Electrical) all the trees within 4 m distance from the nearest track on electrified route should be cut by Engineering Department in the presence of authorized TrD staff. This has been further reiterated by Board vide letter No 98/Elect(G)/113/7/ACTM dt 11/10/02.
- (iv) Identification and attention of any critical leaning masts.
- (v) Check the condition of embankments for any erosion of soil with respect to stability of OHE Mast. In case of soil erosion, stone pitching to be done by Engg. Dept. List of locations to be advised to Engg Dept. by Sr.DEE/TrD. Ensure proper drainage of rain

- water surrounding the OHE foundation, by clearing by Engg. Dept. to avoid weakening of OHE foundations.
- (vi) Condition of tracks i.e. any sinkage of track or breakage of rails etc. at entry / exit of tower wagon sheds.
- (vii) At these polluted areas, composite insulators of 1600 mm creepage length be planned by division at the earliest.
- (viii) Replace broken/chipped insulators.
- (ix) Remove bird nests on all portal structures, traction masts and TTC's.
- (x) Check earth resistances of platform steel structures, platform fencings, FOBs, COP's etc, and attend if IER is more than 10Ω . Inspection of FOBs/ ROBs for availability of protective screens, for no cracks or openings in the floor as well as openings between protective screen and floor of ROBs/FOBs particularly in locations above OHE, and get them attended by Engg. Dept if required. Close any holes on ROB which are above OHE to avoid falling of water during rainy season.
- (xi) Identify cables/ wires hung loose across FOBs//ROBs and remove if not secured properly.
- (xii) Inspect and attend areas of restricted clearances below FOBs and ROBs as per approved profile drawings.
- (xiii) Provide double cleats for platform bonds to avoid infringements with foot step of train.
- (xiv) Activate all ATDs to check free movement.
- (xv) Ensure condition of bonds.
- (xvi) Ensure free swiveling action and plumbing of cantilever assemblies.
- (xvii) Clean section insulators particularly in pollution prone areas or where usage ofdiesels under wire is heavy.
- (xviii) Ensure prescribed clearance at PTFE neutral sections. Check earth connection to earth electrode at PTFE location.
- (xix) Census of CBs having more frequent tripping- Identify causes and take required action.
- (xx) Condition of motor trolleys and tower cars to be reviewed and defects if any to be attended.
- (xxi) Working of DG sets and availability of adequate diesel oil to be ensured.
- (xxii) Ensure structural soundness of height gauges at all level crossings. Advise defects if any to Engg. Dept.
- (xxiii) Identify vulnerable 33 KV and above Power Line crossings including guarding likely to fall on OHE and get it rectified with the help of concerned DISCOM/TRANSCO officials.
 33 KV Power line crossing should be made UG on priority as advised by Railway Board in their Action plan items 2023-24.
- (xxiv) To advise SSE/P.way and SSE/Signals to ensure/and not to remove any bonds on rails, OHE mast, pipelines/hand rails etc., which are provided with bonding and earthing, as removal may lead to accidents to Railway Staff/passengers. The same is also reiterated in IRPWM Part-F Serial No 664, Clause-H and Railway Board vide its joint letter dt 17.08.2012, signed by Civil Engineering (Plg) and Electrical Energy Management.
- (xxv) To advise SSE/P.way to not to keep released rail parallel to the track touching each other and also, if long panels of rails are lying near track, they should be connected with bonds till removed from site.
- (xxvi) Ensure joint check with S&T at all yards for proper bonding is done and defects noticed are attended on priority.
- (xxvii) Headlights of all break down vehicles, tower cars to be kept in good working condition including spare lamps.

5.2 Pre-Monsoon Check List-PSI

- (i) Replace silica gel in the breathers of circuit Breakers, Interrupters, Powers Transformers & Auxiliary Transformers.
- (ii) Check the gaskets of all cubicles of switchgear in switching stations and traction substations to arrest water seepage.
- (iii) Check and clean water drain arrangements at all switching posts for free outlet of rain water and record the condition in a register.
- (iv) Check the functioning of heaters in the cubicles of all the equipment in the Traction substations and switching stations and record in concerned register.

- (v) Check earth resistances of Auxiliary Transformers etc., and attend. Ensure joint checking of vulnerable AT locations at depot in-charge level of General services & TRD/PSI for uninterrupted signal supply.
- (vi) Ensure condition of bridging interrupter's insulators.
- (vii) Check the healthiness of the lightning arresters in lightning prone area.

5.3 Joint action by SSE/Signals, SSE/OHE/PSI and SSE/Electrical Maintenance.

- (i) To ensure joint inspection of power supply arrangement from Auxiliary Transformer (AT) to CLS panel at Station, LC gates, IBS & Auto Hut and also 230 V AC supply for connection to earth at TSS/SP/SSP.
- (ii) To ensure availability of back—up power supply to the signaling system in case of failure of power supply from ATs.
- (iii) To ensure battery backup for communication equipment at TSS/SP/SSPs in the event of failure of 230Volt AC supply.
- (iv) All the Z-bonds across glued joints/insulation joints are available intact and effective. All the bonding strips passing underneath the positive (+ve) rail of track circuit are provided with insulation sleeve.
- (v) A.T. supply at CLS panel default setting to be changed from UP AT to DN AT every 15 days in double/triple line sections.

5.4 Action by SSE/Electrical/Maintenance:

(i) Various electrical fittings including Air-conditioning and wiring to be jointly inspected to ensure their proper functioning.

6 Weather Warning Messages:

6.1 Arrangements exist with the Meteorological Department, Government of India for receiving messages warnings through fax and e-mail, whenever storm/gales or heavy rainfall are expected. These messages are received in central control office located in HQ.

The conditions under which warnings are issued are detailed below:

- a) Amount of rainfall considered dangerous 5 cm and above in 24 hours.
- b) Wind velocity considered dangerous 65 Kmph and above.
- c) Period when warning will be given throughout the year.

6.2 Terminology used in Meteorological Bulletins regarding Cyclones:

6.2.1 Cyclones:

Type of Disturbance	Associated wind speed		
Type of Disturbance	Knots	КМРН	
Low pressure Area	less than 17	less than 31	
Depression	17-27	31-49	
Deep Depression	28-33	50-61	
Cyclonic Storm	34-47	62-88	
Severe Cyclonic Storm	48-63	89-117	
Very Severe Cyclonic Strom	64-90	118-167	
Extremely severe Cyclonic Storm	91-119	168-221	
Super Cyclonic Strom	>119	> 221	
	(1 Knot = 1.852 KMPH)		

6.2.2 Intensity of Rainfall:

Descriptive Term used	Rainfall amount in mm
No Rain	0.0
Trace	0.01 to 0.04
Very light Rain	0.1- 2.4

Light Rain	2.5 – 15.5
Moderate Rain	15.6 – 64.4
Heavy Rain	64.5 – 115.5
Very Heavy Rain	115.6 – 204.4
Extremely Heavy Rain	> 204.4
Exceptionally Heavy Rain	When the amount realized in a day is a value near about the highest recorded rainfall at or near the station for the
Exceptionally neavy Kalli	month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm.

6.2.3 . Spatial Distribution:

Distribution	No. of Places	Description		
Isolated	At isolated Places	25% or less number of stations of a region (usually a meteorological sub-division) reporting at least 2.5 mm rainfall.		
Scattered At a few Places		26 % to 50% number of stations of a region (usually a meteorological sub-division) reporting at least 2.5 mm rainfall.		
Fairly Widespread At many Places		51% to 74 % number of stations of a region (usually a meteorological sub-division); reporting at least 2.5 mm rainfall.		
Widespread	At most places	75 % or more number of stations of a region (usually a meteorological sub-division) reporting at least 2.5 mm rainfall.		
Dry	-	No station of a region reported rainfall		

6.2.4 Normal Weather Warnings:

Conveying messages by Indian Meteorological Department:

South Central Railway receives weather warning messages through fax and emails from the concerned Indian Meteorological Department Centers of Mumbai, Bangalore, Hyderabad and Visakhapatnam.

State Meteorological Centers function at Hyderabad for Andhra Pradesh & Telangana States; at Bangalore for Karnataka State and at Mumbai for Maharashtra State. In addition, Cyclone Warning Centre has been established at Visakhapatnam. Weather Warning messages will emanate from:

- i) Regional Meteorological Centre, Colaba, Mumbai for the districts of Maharashtra.
- ii) State Meteorological Centre, Hyderabad Airport, Hyderabad for the districts of Telangana & Andhra Pradesh.
- iii) Cyclone warning centre, Andhra University Campus, Visakhapatnam issues weather warning bulletins specifically related to cyclones for the districts of Telangana & Andhra Pradesh.
- iv) State Meteorological Centre, H.A.L. Airport, Bangalore for the districts of Karnataka.

6.2.5 Web Site Address:

S.No.	Weather Warning Centre	Website	
1	IMD Hyderabad	http://www.imdhyderabad.gov.in https://mausam.imd.gov.in/hyderabad	
	http://www.imdmumbai.gov.in		
2	IMD Mumbai	https://mausam.imd.gov.in/mumbai/	
3	IMD Bangalore	http://www.imdbangalore.gov.in	
nttps://mausam.imd.gov.in/bengaiuru/			
4	Cyclone warning center,	http://www.cwcvsk.gov.in	
4	Visakhapatnam	https://mausam.imd.gov.in/visakhapatnam/	

7 Dissemination of Messages within Railway

On receipt of Weather/Cyclone warning messages by email/Fax in the Control office, the following action should be taken.

7.1 Central Control, Rail Nilayam, Secunderabad - 500 025.

- The Chief Controller shall give a copy of the message to all controls i.e., Engineering Control, Traction Power Control, Traction Loco Control, Power Control, Security Control, Commercial Control, Electrical Control, Test Room and Divisional Control offices concerned. It is the responsibility of these controls in turn, to inform the officers, Supervisors and all concerned pertaining to their departments for taking necessary steps to be in readiness for meeting any eventualities. They should record the names and designation with the time and date to whom the message has been repeated and sent.
- ii) The Chief Controller of Central Control should also send a message (FOIS) to the Divisional Control.
- iii) The list of Districts and the corresponding railway sections in regard to weather warning messages, for action by all concerned is at **Annexure-E**.

7.2 Action by the Divisional Control Office:

i) The Chief Controller in the Divisional control office shall give a copy of the message to all controls i.e., Engineering control, Traction Power control, Traction Loco control, Power (Diesel) Control, Security Control, Commercial Control, Electrical Control and Test Room. It is the responsibility of these controls in turn, to inform the officers, Supervisors and all concerned pertaining to their departments for taking necessary steps to be in readiness for meeting any eventualities. They should record the names and designation with the time and date to whom the message has been repeated and sent

The Section Controller shall repeat the message to SMs of the stations under his jurisdiction that are likely to be affected and record the names of SMs on duty to whom the message has been repeated.

Note: In respect of sections which are not controlled or when the control phone is interrupted, an 'XXR' (immediate) message should be issued by the Chief Controller or in his absence by the Dy. Chief Controller to the Officials referred above, by any other means of communication available such as Railway auto phone WLL/CUG phone, as the case may be.

- ii) The preamble of the weather/cyclone warning message and the text as received from the Meteorological Department should be reproduced verbatim in the text of the XXR message. The text of the message should be worded as shown below:
 - Regional Meteorological Centre (here enter the name of the Meteorological Centre) XXW/000 (insert whichever class is used by the meteorological Department) message Coded(insert code time of the original message) dated...........................(date of the original message) reads............(reproduce the text of the meteorological message verbatim).
- iii) A register should be maintained in each Control of each department i.e. Engineering, Electrical etc. showing full particulars of the receipt and action taken on the weather/cyclone warning messages, showing the date and time of receipt of warning messages, the full text of the messages and the date and time of dispatch of telephonic advices to the officials concerned and the name of the S.M. on duty to whom the message has been repeated.

7.3 Action by the Station Master:

7.3.1 Intimation to staff:

On receipt of weather/cyclone warning advices from the Section Controller, the S.M. should take the following action:

The SM on duty, at Station where ADENs/SSE (Works)/SSE (P.Way), ADEE(TRD) Sr.SE (OHE/PSI) are Headquartered, should immediately arrange to handover to the officer concerned, a copy of the verbatim message received from the Section Controller and obtain acknowledgement. If the ADENs/SSE(Works)/SSE (P.Way), ADEE(TRD/SSE/OHE/PSI) is out of Headquarters, the SM should advise the controller on duty who will then be responsible for ensuring that the contents of the message are communicated verbatim to Engineering and TRD officer at the Divisional Headquarters.

		Name &		
Date &	Text of	Designation of	Cianaturo	Actual
Time of	message	officials to	Signature	weather
receipt	in Full	whom message	of the SM	condition

The Office Copy of the message on which acknowledgement have been taken should be pasted in the register.

7.3.2 Precautions to be taken by Station Master, Loco Pilot/Assistant Loco pilot & Guard- regarding Control of trains during heavy rains and strong wind.

- i) When the warning message forecasting cyclone, storm or strong wind has been received and/or there is a reasonable doubt that severe storm is going to break out endangering the safety of passengers, trains etc., the Station Master shall, in consultation with the Guard and the Loco Pilot/Assistant Loco pilot of the train, regulates the train and also refuse to grant line clear to a train coming to his station until the storm abates and he considers it safe for the movement of trains.
- ii) Should a train be caught on the run in a cyclone, storm or strong wind of an intensity which in the opinion of the Loco Pilot/Assistant Loco pilot, is likely to endanger the safety of the train he shall immediately control the speed of his train and bring it to a stop at the first convenient place taking care as far as possible to avoid stoppage of the train at places like sharp curves, high embankments and bridges (including approaches thereof). In controlling the speed and bringing the train to a halt, the Loco Pilot shall stop his train carefully and without a jerk. He shall restart the train in consultation with the Guard only after the cyclone, storm or strong wind abates and it is considered safe to proceed.
- iii) The Guard and Loco Pilot/Assistant Loco pilot of the train in cooperation with the Railway staff traveling in the train shall try to see that doors and windows of the coaches are kept open by the passengers to allow free passage of the wind through the coaches.
- iv) Loco pilot & Guard has to protect the train as per SR 6.03
- v) In electrified territory, in cyclone/hurricane/strong wind condition, the loco pilot/Motorman shall keep a special watch on the pantograph of his own as well as passing electric trains and report any abnormality as soon as possible to TPC/TLC. If he notices any serious defect in the pantographs which are likely to cause damage to OHE, he shall stop the train forthwith and convey details to the TPC/TLC on duty and Panto to be lowered.

vi) During heavy rain/storm/wind and water flowing on track, caution order to be issued to LP clearly stating the speed restriction to be observed by LP and name and designation of the official accompanying or piloting the train.

8 Action by the Sr. Section Engineer (P.Way) during Monsoon

8.1 Action after receipt of warning message:

- i) The Sr. Section Engineer (P.Way) on receipt of weather/cyclone warning should arrange to advise monsoon Patrolmen/watchmen and Gang mates to be extra vigilant. During the fair season, he should introduce monsoon patrolling as soon as possible and also post watchmen as required at all vulnerable locations and bridges by day as well as by night for a period extending up to 48 hrs beyond the period specified in the weather/cyclone warning telegram.
- ii) The Sr. Section Engineer (P.Way) should be out in his section as far as possible by trolley during the period of warning and 48 hrs beyond.
- iii) To ensure no bonds are removed from rails, bridges, parallel structures like handrails/pipes etc.

8.2 Monsoon patrolling:

<u>Commencement and Termination:</u> If the local condition warrants, the SSE/P.Way of the section concerned may introduce or continue night patrolling outside the stipulated dates; duly advising all concerned (Para:1004(1) of IRPWM 2020).

In other words, he cannot discontinue or terminate the monsoon patrolling within the stipulated period. The Operating controllers of all the divisions shall send a control message to all concerned as soon as they receive the weather/cyclone warnings message, and the monsoon patrolling staff name and commencement of patrolling details should be available in the concerned station master's room for the information of inspecting officials.

8.3 Vulnerable locations (Points):

Stationary watchmen should be posted round the clock at every nominated location during themonsoon period (Para:1006(3) of IRPWM 2020).

8.4 Sign Boards:

"C" sign boards will be fixed during monsoon period only on both sides on single line and direction-wise on double line, of vulnerable points at a distance of 1200m on BG in the rear of the location and "T" sign boards at the length of longest goods train beyond vulnerable location / bridge (as per para 9.8, Appendix-IV of G&SR 2020).

8.5 Monitoring of Bridges having Reservoirs and Dams:

During monsoon, most of the Reservoirs and Dams receive constant inflow due to heavy rains. Whenever the water level exceeds permissible limit, the Dam and reservoirs authorities release excess water. During this period, concerned official should keep extra vigil at the bridges connected to the Dams and Reservoirs on the Up-stream side and take timely action. A liaison should also be established with these authorities to receive messages before the release of water. The details of the bridges connected to Reservoirs and Dams & other important Bridges is at Annexure-D.

8.6 Action by the Gang Mate: Para 1129(4) (a&b) of IRPWM 2020

On receipt of advice, the Gang mate should take the following action:

- i) During fair season, the Gang mate should on his own accord depute two reliable Trackmen with equipment for patrolling the block section on either side and for alerting the intermediate Gang mates
- ii) During the monsoon period, the Gang mate of the station/yard gang should send two Trackmen in opposite directions to alert intermediate Gang mates, Patrolmen and Watchmen.

iii) If there is a very heavy rain or severe storm during the period, whether during the monsoon or fair season, the Gang mate and Trackman shall carry out the gang patrol asper instructions contained para 1003, 1006 and para 1004 (8) of the IRPWM 2020.

8.7 Action by Traction Power Controller:

The TractionPowerControllerofthedivisionshouldimmediatelyrepeattheweather/cyclonewarning message verbatim through "All concerned message" "AC register "on Control telephone to all concerned ADEE, OHE/ PSI Depot in charge of the section likely to be affected, for taking adequate stepsas to be in readiness for meeting any eventualities, and then circulate the contents of the telegram to the Officers concerned in the Divisional Headquarters office by Whats app means also. The TPC shall always be in a state of readiness to take quick and prompt action to tackle the situation. He will keep a continuous liaison with the field officials, HQrs officers, apart from the neighboring divisions, for seeking help as the circumstances warrant.

- (i) The ADEEs will be in their respective Headquarters. Their further movements depending upon the damages caused to OHE/PSI installations due to cyclone will be guided by Sr.DEE/Tr.D.
- (ii) All Senior Supervisors and Officers of the Tr.D branch should also keep the TPC informed of their movements. These instructions also apply to other key personnel of OHE and PSI depots.

8.8 Action by OHE/PSI Depot in-charge during Monsoon:

- (i) The OHE/PSI depot in-charge on receipt of Weather/cyclone warning shall be in a state of readiness to meet any emergency for arranging emergency staff to be vigilant and be available in Headquarters. They shall be in readiness to move at a short notice.
- (ii) He shall
 - (a) arrange for foot patrolling of the section being affected by the floods for erosion of soil on embankments, exposing of mast foundation etc.,
 - (b) Ensure sufficient stock of boulders, sand, empty cement bags etc. by SSE/P.way, for use on exposed mast foundation and to avoid erosion of soil.
- (iii) Keep all the breakdown vehicles such as tower cars, trucks, jeeps, motor trolleys, wiring train etc., in good fettle, and keep stock of good amount of diesel. Head lights of all breakdown vehicles to be kept in good working condition including spare lamps.
- (iv) Ladder trolleys, Breakdown T&P, tree cutting machines with full fuel, axes, saws, ladders and emergency tools with full components to be kept ready.
- (v) Temporary masts to be identified and checked for availability of complete assembly and ready to use. All the OHE breakdown material like temporary masts, conductors, insulators, fittings shall be loaded into breakdown vehicles and kept ready.
- (vi) In case of any RC communication/SCADA failures, switching stations to be identified and manning to be arranged on need basis.
- (vii) Generator sets, portable flood lights, lighting arrangements for tower cars, trucks to be kept in good fettle.
- (viii) Walkie talkie sets, Hand torch etc., to be kept in good charging condition, emergency telephones & CUG mobile phones to be kept ready.
- (ix) During restoration of the breached spot, tower cars to be deployed at both ends of the breached spot.
- (x) Have footplate and arrange foot patrolling to see bonding, earthing or likelihood ofany tree coming near OHE / Fall on OHE. SSE should get them rectified any such situation which effects safety of staff and train operations.

8.9 Electrical (general services) wing of the division shall ensure the following to be in readiness

- (i) Sufficient stock of fuel available to run available DG set for 24hrs.
- (ii) At least 2 portable DG sets at each depot in good condition.
- (iii) 4Nos of portable weatherproof tents including requirement of Electrical and S&T staff.
- (iv) List of Contractors capable of providing DG sets with operators at site and their telephone Numbers and arrangements for deployment at short notice.

PART-B

FLOODS AND CYCLONE

- 9 Action to be taken in the event of the East Coast being threatened by Cyclonic storms: First stage warning message:
 - 9.1 Receipt and Transmission of Messages:
 - 9.1.1 The Cyclone Warning Centre, Visakhapatnam will give weather warning messages on depressions, cyclonic storms coming from Bay of Bengal when the storms are still at sea forthe coastal area of Andhra Pradesh.
 - 9.1.2 The Cyclone Warnings will be issued in two stages. The first warning (cyclone alert) is issued as soon as the cyclonic storm is located at such a distance from the coast that it is expected to cause bad weather over the coast during the next 48 hrs. This is followed by second stage warning (cyclone warning) message when there is an actual threat of cycloneover the area. Subsequently also messages giving the latest cyclonic situation are issued by the Cyclone Warning Centre till the danger to the area is over. Weather bulletins issued by the Cyclone Warning Centre are broadcast daily as a routine from the Doordarshan and All India Radio (AIR) Stations. Bulletins are also provided to other electronic and print media and concerned state Governments. In storm situation, special weather bulletins are broadcast repeatedly at non-scheduled time also.
 - 9.1.3 The Chief Controller, Vijayawada Division S.C. Railway, Vijayawada and Chief Controller, Central Control, Rail Nilayam, Secunderabad-500025 are the two nominated officials to whom the above warnings are issued by the Cyclone Warning Centre, Visakhapatnam.

9.2 Action to be taken by concerned officers/staff:

9.2.1 On Receipt of First Stage Warning Message regarding Depressions / Cyclone Storms:

The Chief Controller, Central Control, Rail Nilayam, Secunderabad should be alert and take Immediate action as laid down in para 7.1 above. He should also intimate the cyclone warning and alert the Chief Controllers of SC, GNT and GTL Divisions, in case the cyclone is expected to affect their divisions.

- 9.2.2 The Chief Controller, Vijayawada should be alert and take immediate action as laid down in para 7.2.
- 9.2.3 The following Engineering Dept Officers of Hqrs, BZA, SC, GTL & GNT divisions shall proceed and be available at stations indicated below:

(The THOD of BZA division shall proceed to BZA depending on the severity of the situation at his discretion)

Sr.DEN/DEN(South)/ BZA	at BTTR
Sr.DEN/DEN(Central)/ BZA	at BPP
Sr.DEN /DEN/E/BZA	at BVRM
Sr.DEN/DEN(North)/BZA	at SLO
Sr.DEN/Co-ord/GNT	at GNT
Sr.DEN/DEN/S/SC	at DKJ
Sr.DEN/DEN/N/SC	at BPA
Sr.DEN/DEN/W/SC	at VKB
Sr.DEN/DEN/S/GTL	at RU
Sr.DEN/DEN/N/GTL	at RC
Sr.DEN/DEN/N/GNT	at NDKD
Sr.DEN/DEN/W/GNT	at NDL

- 9.2.4 The ADENs will be in their respective headquarters. Their further movement when the effect of cyclone is felt will be left to their discretion, depending upon the needs of the situation and they will be guided in this respect by THOD who will be directing the operations from Vijayawada or from Secunderabad through Sr.DEN/Co-ord/BZA.
- 9.2.5 When land line communications fail, the facility available on VHF sets at station/CUG mobile phones including satellite phones as the case may be shall be made use of to disseminate the warning to all concerned. High priority should be given for disposal of cyclone messages.

10 On receipt of Second Stage Warning on Cyclone the following action should be taken:

- 10.1.1 The Chief Controller, Vijayawada will keep liaison with All India Radio, Vijayawada and Meteorological Department, Visakhapatnam in receiving further bulletins and disseminate the same to all concerned. Arrangements are made by the Meteorological Department to broadcast the weather bulletins from the All India Radio (hourly intervals) and sudden / unexpected developments as soon as it is notified to the Radio station. For this purpose, the Chief Controller/BZA should hear the bulletins on the Radio & TV (Doordarshan) available in the Control office and disseminate the cyclone warnings to all concerned.
- 10.1.2 DRM/Vijayawada will depute a Senior Traffic Officer and Senior Engineering officer to coordinate with all other branches and local civil authorities. The said Officers will be responsible for regulation / diversion / cancellation of train services in the areas likely to be affected by Cyclone depending on the local situation.
- 10.1.3 In case of imminent cyclone threat, it is advisable to cancel through running of trains and regulate the trains in the section at suitable places where catering arrangements are available. Under no circumstances, the passenger trains should be allowed to be marooned. For thispurpose, DRM shall depute a senior Commercial Officer for monitoring.
- 10.1.4 In case of districts not affected by the cyclone, a de-warning message will be sent.
- 10.1.5 ADEE(TRD) of Division's Headquarters has to station himself in the Traction Power control room to keep close liaison with all other branches. The said officer will be responsible for taking prompt action depending on the situation. In case ADEE(TRD) is also required to move to site or not available at Hqrs, other officers available at divisional Hqrs namely Sr. DEE/M, Dy.CEE/con, DEE/Con, ADEE/Con in that order shall man the TPC.
- 10.1.6 Control of trains when communications fail, the Stations Master will take similar action as indicated in para 7.3.2.

10.2 Anemometers:

- 10.2.1 At specially selected bridges, anemometers are installed at one of the stations adjacent to the bridges. The SM shall take the following action if the anemometer activates the Audio- visual buzzer, which is located in SM's office, when wind velocity goes beyond the threshold danger limit set for that bridge.
 - a) The Station Master shall acknowledge the buzzer by pressing the acknowledgementbutton upon which the buzzer will stop.
 - b) The SM shall inform the SCOR and the SM on the other side immediately about the need to control the movement of trains.
 - c) The SM shall not start or allow the movement of trains from his station and also not grant line clear to the trains waiting at the adjacent station towards his station.
 - d) He shall resume normal running of trains in consultation with the SCOR and the SM of the adjacent station when the wind velocity is again below the danger limit.
 - e) Details of anemometers installed in each division:
 30 Bridges are selected on this Railway for installation of anemometers: BZA: 10 Bridges; SC:
 5 Bridges; GTL: 7 Bridges; GNT: 3 Bridges; HYD:3 Bridges & NED: 2 Bridges. List ofBridges where anemometers are installed is at Annexure-B.

10.3 Action to be taken in case of Hold up of Trains due to Cyclone-General.

10.3.1 By the Senior Traffic official nominated by DRM.

- (i) An enquiry office with a public address system is to be opened immediately at Vijayawada railway station to relay the information regarding the stranded trains, relief operations and transshipments, supply of food packets etc. DRM shall depute a Commercial Officer for this purpose.
- (ii) He shall make arrangements to post Medical Officer/Personnel at Railway stations where trains are stranded and where facilities exist. In out station or other places, he shall approach the District Collector or the local Special Police Officer who will make necessary arrangements.
- (iii) He shall plan for the quick transshipment of stranded passengers in consultation with the Road Transport Corporation, where repair to track is likely to take longer time. DRM shall depute a Commercial Officer for this purpose.

10.3.2 By the Station Master.

- (i) The S.M. on duty shall immediately inform Tahsildar/MRO, Revenue Divisional Officer, or Sub Collectors and the collector of the area regarding the hold up of trains in his station.
- (ii) The S.M on duty shall seek the assistance of the local revenue authorities in arranging adequate supply of food packets along with drinking water to the stranded passengers and milk and biscuits to children. Commercial staff should make arrangements for supply of food.
- (iii) Advice to the staff for the precautions to be taken by them during pre-cyclone and post Cyclone periods are listed in "**Tips for Safety**" at para 11.

10.4 Telephone Nos of NDRF to be contacted during Emergency

10.4.1 Address and Telephone No of National Disaster Relief Force (NDRF)

Addre	Address and Telephone No of National Disaster Relief Force NDRF				
SI.NO	Division	Postal Address	Designation	Contact Details	
1	Guntakal, Secunderbad, Hyderabad, Vijayawada, Guntur. for the territories under Andhra Pradesh, Telangana &Karnataka	10th Bn NDRF, ANU Campus, Nagarjuna Nagar, Guntur (AP) Pin - 522510	Commandant	Ph: 0863-2293178 Fax: 0863-2293050 Unit Control Room Ph: 0863-2293050 Mobile: 08333068559 Email: ap10- ndrf@nic.in	
2	Nanded, Secunderabad, for the territories under Maharashtra& Telangana	5th Bn NDRF, Sudumbare Taluka, Distt - Maval Pune (Maharashtra) Pin - 412109	Commandant	Ph: 02114-247010 Fax: 02114-247008 Unit Control Room Ph: 02114-247000 Mobile: 09422315628 Email: mah05- ndrf@nic.in	
3	Guntakal, for the territories under Tamilnadu.(Parts of KPD - PKL Section)	4th Batallion NDRF, PO- Suraksha campus, Arakkonam, Vellore District Tamilnadu- 631152	Commandant	Ph: 04177-246269 Fax- 04177-246594 Unit Control Room Ph: 04177-246594 & Mobile: 09442140269 Email:tn04-nrf@nic.in	

4	Part of Nanded (Akola – Khandwa section) covering under Madhya Pradesh State	11 th Bn NDRF, SanskritikSankul, Maqbool Alam Road, Varanasi, UP - 221002	Commandant	Ph: 0542-2501201 Fax: 0542 – 2501101 Unit Control Room Ph: 0542-2501101 Mobile: 08004931410 Email: up-ndrf@nic.in
NDRF RRCs				
SI.NO	Name of RRC		Contact Numb	er
1	NDRF RRC, Vizag Steel Plant, Vishakhapatnam, Andhra Pradesh		08333068565 08333068560	
2	NDRF RRC, Fire Station Mahadevapura, Bengluru, Karnatka		09482978719 09482978715	
3	NDRF RRC, Shaikpet Sport Complex, Hyderabad, Telangana		08333068536 08333068547	

10.4.2 Important Contact Nos of Govt of AP:

SI.NO	Official and Address	Contact Nos, and email IDs
1	Spl. Commissioner (Disaster Management Authority) & Ex-Officio Addl.Secretary to Government,	0863-2377099 commr_relief_rev@ap.gov.in, md-apsdma@ap.gov.in
2	Executive Director Genious JR Towers, D. No:21/2B, Pathuru Cross Road Centre, Kunchanpalli(PO), Tadepalli Mandal, Guntur District, Andhra Pradesh. PIN- 522501.	0863-2377105 +91-9676957788, +91 8645246600 ed-apsdma@ap.gov.in
3	Administrative officer	+91-8333905039
4	SEOC (State Emergency Operation Center) Incharge, Genious JR Towers, D. No:21/2B, Pathuru Cross Road Centre, Kunchanpalli(PO), TadepalliMandal,Guntur District, Andhra Pradesh. PIN-522501.	+91-8333905033 +91 8645246600 seoc-apsdma@ap.gov.in

10.4.3 Important Contact Numbers during Emergency:

SI.No	Department	Contact No.
1	Commander HQrs Army	040-27862278 &27862086
2	Wing Commander/Air Force	040-27862282 - Ext. 407
3	Group Captain Air Force	040-27753905 & 27753500
4	Disaster Management(Rail Nilayam)	040-27821488 & 27821430
5	Flood Control Room (Reservoir & Dams)	040-23390794 & 23390797

11 TIPS FOR SAFETY (General information for all concerned)

11.1 Steps to be taken before the commencement of cyclone season:

(i) Check the houses; secure loose tiles by cementing wherever necessary, repair doors and windows.

- (ii) Check the area around the house, remove dead or dying trees, anchor removable objects like lumber piles, loose zinc sheets, loose bricks, garbage cans, sign boards etc.
- (iii) Keep some wooden boards ready so that the glass window can be boarded.
- (iv) Keep a hurricane lantern filled with kerosene, flashlights with enough dry cells.
- (v) Promptly demolish condemned buildings.
- (vi) Those who have radio/television sets should ensure that the radio is fully serviceable. In the case of transistors, an extra set of batteries should be kept handy.

11.1.2 Steps to be taken when a warning for a cyclone threatening the area is received:

- (i) Keep your radio/television on and listen to the latest weather warnings and advices from the nearest All India Radio Station, Pass the information to others.
- (ii) Avoid being misled by rumors, pass on only the official information you have received from the radio to others.
- (iii) Get away from low lying reaches or other locations which may be swept by high tides or storm waves. Leave sufficiently early, before your way to high ground gets flooded. Do not delay and run the risk of being marooned.
- (iv) If your house is out of danger from high tides and flooding from the rivers, and is well built, it is then probably the best place to weather the storm. However, please act promptly if asked to evacuate.
- (v) Be alert for high water, in areas where streams or rivers may flood due to heavy rain.
- (vi) Board up glass windows or put storm shutters in place. Use good wooden planks securely fastened. Improper boarding may do more damage than good. Provide strong suitable support for outside doors.
- (vii) If you do not have wooden boards handy, paste strips on glasses to prevent splinters flying into the house.
- (viii) Get extra food, especially things which can be eaten without cooking or with very little preparation. Store extra drinking water in suitable covered vessels.
- (ix) If the flood waters inundate your lower floors, then move your valuable articles to upper floors to minimize flood damage.
- (x) Have Hurricane Lanterns, flashlights and other emergency lights in working conditionand keep them handy.
- (xi) Check on everything that might blow away or be torn loose. Kerosene tins, cans, agricultural implements, garden tools, road signs and other objects become weapons of destruction in storm winds. Remove them and store them in a covered room.
- (xii) Be sure that a window or door can be opened on the lee side of the house i.e, the side opposite the one facing the wind.
- (xiii) Make provisions for children and adults requiring special diets.
- (xiv) If the center of the 'eye' of the storm passes directly over your place there will be a full pressure in the wind and rain lasting for half an hour or more. During this period stay in a safe place. Make emergency repairs during the full period if necessary but remember that strong wind will return suddenly from the opposite direction, frequently with even greater violence.
- (xv) Be calm, your ability to meet emergencies will inspire and help others.

11.1.3 When the Authorities advise evacuation to comply the following instructions promptly.

- Head for the proper shelter or evacuation points indicated for your area.
- (ii) Do not worry about your leftover property as evacuated areas will be policed to prevent looting.

- (iii) At shelter, follow instructions of personnel in-charge.
- (iv) Remain in shelter until informed that you may leave.
- (v) Keep calm at all times, if instructions are observed promptly, there is little personal danger involved.

11.1.4 Post- cyclone measures:

After a cyclone passes, the staff are advised to take the following measures:

- (i) They should remain in shelters until informed by those in-charge that they may return home.
- (ii) They should get inoculated against diseases immediately in the nearest hospital and seek medical care for those injured or those fallen ill.
- (iii) Any loose and dangling wire from the electric post, should be strictly avoided. (A person must be kept to watch so that nobody goes near the wire and the nearest authorities are informed immediately).
- (iv) People should keep away from disaster areas unless they are required to assist.
- (v) Anti-social elements should be prevented from doing mischief and reported to the police.
- (vi) Cars, buses, Lorries and carts should be driven carefully.
- (vii) The houses and dwelling should be cleared of debris.
- (viii)The losses should be reported to the appropriate authorities. It should be rememberedthat exaggeration of losses is antisocial.
- (ix) Relatives should be promptly informed about the safety of persons in the disaster area.

Monsoon Emergency Reserve Stock

S.No	SSE/P.Way section	Sand (cum)	Boulders (cum)	Empty cement bags (nos)	Tarpaulin * Sheets (nos)
	1	SECU	NDERABAD DIVISION		
1	SC	3000	700	3000	10
2	KZJ	2000	200	2000	10
3	DKJ	3000	350	3000	10
4	MDR	-	700	-	05
5	BDCR	-	200	-	10
6	HSP	2000	300	2000	05
7	PRLI	2000	250	2000	10
8	VKB	2000	250	2000	10
9	SKZR	2000	300	2000	10
	Total	16000	3250	16000	80
	1000		DERABAD DIVISION	10000	
1	MED	350		300	05
2	MBNR	2400	150	2000	05
	Total	2750	150	2300	
	IOtal			2300	10
	NU D		AYAWADA DIVISION	500	T
1	NLR	350	300	500	10
2	BTTR	350	200	1000	05
3	OGL	350	300	1500	10
4	TEL	-	300	-	10
5	NZD	-	200	-	05
6	EE	500	300	500	10
7	TDD	500	-	500	10
8	RJY	500	300	1000	10
9	SLO	350	300	600	10
10	PAP	-	450	-	05
11	TUNI	500	200	500	10
12	BVRM	-	60	-	10
13	KKLR	250	275	500	05
14	GDV	500	250	500	10
15	BZA/S	1000	250	5500	10
	Total	5150	3685	12600	130
	1		UNTUR DIVISION		
1	DKD	500	500	500	10
2	SAP	500	500	500	10
3	NDKD	1000	500	1000	10
4	NLPD	500	250	500	10
5	GID	250	900	500	10
6	CTYL	1000	500	1000	Nil

S.No	SSE/P.Way	Sand (cum)	Boulders (cum)	Empty cement	Tarpaulin * Sheets				
	section			bags (nos)	(nos)				
7	NGNT	1000	500	1000	Nil				
8	NDL/G	500	400	1500	10				
	Total	5250	4050	6500	60				
GUNTAKAL DIVISION									
1	BAY	350	500	1000	Nil				
2	GY	-	1350	-	05				
3	KDP	-	1350	-	05				
4	HX	-	500	-	Nil				
5	NRE	-	400	-	05				
6	RU	2000	500	3500	10				
7	KHT	-	1000	-	05				
8	GTL	2000	1300	3000	05				
9	ATP	100	100	-	Nil				
10	RC	-	1000	-	05				
11	KRY	-	1200	-	05				
12	MPL	-	-	500	05				
13	KCI	-	1587	-	Nil				
14	PAK	1000	450	1000	05				
15	СТО	-	1000	-	05				
16	DHNE	350	250	500	05				
17	NDL/P	350	400	1000	05				
	Total	6150	12887	10500	70				
		N	ANDED DIVISION						
1	MUE	500	100	1000	Nil				
2	PAU	3200	100	4000	05				
3	WHM	400	100	-	Nil				
4	AK	350	25	1500	05				
5	KNW	350	100	-	Nil				
6	AOT	500	100	1500	05				
	Total	5300	525	8000	15				

 $^{^*}$ Tarpaulins Approximate size: 7.62 m x 5.08 m along with Lashing Rope-18 nos and Eyelets-18 nos with sufficient Bamboos for erecting as tent at restoration site

STOCK ON WHEELS

DIVISION	BOULDERS	SAND	Quarry Dust	LOCATION
GTL	10 wagons	10 wagons	-	RU
SC	10 wagons	10 wagons	05 wagons	KZJ
BZA	10 wagons	10 wagons	05 wagons	ксс
NED	05 wagons	7 wagons	-	PAU

POSITION OF RH GIRDERS (BFR) AND STEEL CRIBS

S.No	Division	Sanctioned
1	SC Divn. at KZJ	1) 16.30m RH Girder - 1 Set. 2) 13.40m RH Girder - 1 set. 3) Minimum 50 Nos. of Steel Cribs
2	BZA Divn. at KCC	1) 16.30m RH Girder - 1 Set. 2) 13.40m RH Girder - 1 set. 3) Minimum 50 Nos. of Steel Cribs
3	GTL Divn. at RU	1) 16.30m RH Girder - 1 Set. 2) 13.40m RH Girder - 1 set. 3) Minimum 50 Nos. of Steel Cribs
4	NED Divn. at PAU	1) 16.30m RH Girder - 1 Set. 2) 13.40m RH Girder - 1 set. 3) Minimum 50 Nos. of Steel Cribs

NP-4 PIPES

Division	NP-4 Pipe of dia. 1.20m and 2.50m Long	Location
Secunderabad	20	Kazipet
Vijayawada	20	Krishna Canal
Guntakal	20	Renigunta
Nanded	20	Purna

Annexure-B Location of Anemometer at nearest station of nominated Bridges.

S.No	Section	Br. No	Km	Span	Туре	Nearest Station and approximate Distance from Br.site / Station Telephone Nos
VIJAYAWADA DIVISION						
1	GDR-BZA	277	138/10-12	19x12.19m	PG	Gudur (1.5 Km) 08624-251827
2	GDR-BZA	282	141/24-142/2	17x12.19m	PG	Gudur(5.0 Km) 08624-251827
3	GDR-BZA	357	175/6-176/2	23x21.34+10 x18.28m	PG	Nellore(1.0 Km) 0861-2331445
4	GDR-BZA	518	257/26-34	9X18.29m	PSC	Singarayakonda (4.0 Km) 08598-236255
5	GDR-BZA	533	269/22-270/6	33x12.19m	PG	Tanguturu (3.0 Km) 08592-2426439
6	GDR-BZA	589	295/22-30	13x12.19m	PG	Karavadi (3.5 Km) 08592-274587
7	GDR-BZA	3 KB	425/42-427/6	12x89.06m	TOWG	Vijayawada (0.5 Km) 0866-2577657
8	BZA-VSKP	248	571/36-574/48	27x91.44 + 7x45.72m	TOWG	Kovvur (0.5 Km) 08813-235330
9	BZA-VSKP	703	744/28-30	6x30.48m	TOWG	Anakapally (0.6 Km) 08924-221698
10	GDV-BVRM	149	86/0-1	10x18.30m	PG	Akividu (1.8 Km) 08816-252838
			GUNTU	R DIVISION		
1	BN-NDKD	58	30/8-14	16x18.30m	PG	Valigonda (0.9 Km) 08694-210666 36910 (Rly)
2	BN-NDKD	151	88/13-16	12x12.20m	PG	Thipparthi (5.6 Km) 08682-288053 36906 (Rly)
3	BN-NDKD	314	138/13-139/3	10x40.41m	TOWG	Vishnupuram (4.0 Km) 08689-228131

S.No	Section	Br. No	Km	Span	Туре	Nearest Station and approximate Distance from Br.site / Station Telephone Nos
GUNTAKAL DIVISION						
1	RU-GTL	579	281/7-282/3	15x39.90m	PSC	Kamalapuram (1.0 Km) 08563-274223 22283 (Rly)
2	RU-GTL	688	340/15-341/9	13x39.90m	PSC	Kondapuram(1.5 Km) 08560-274234 23112 (Rly)
3	RU-GTL	750	375/10-376/2	13x40.20m	PSC	Juturu (2.0 Km) 08558-200269 23689 (Rly)
4	DMM-GTL	45	240/8-241/3	11x45.70m	PSC	Kalluru (1.5 Km) 08551-200675 29912 (Rly)
5	GTL-WD	1017	536/2-537/5	36x19.3m	PG/ PSC	Mantralayam (1.0 Km) 08512-259949 21512 (Rly)
6	GTL-WD	1123	587/3-588/7	36x30.50m	PSC	Krishna (0.7 Km) 08503-285725 21840 (Rly)
7	BAY-GTL	292	220/9-221/7	34x19.50m	PG/ PSC	Hagari (0.9 Km) 08392-200387 27805 (Rly)
8	RU-GY	393	218/1-52	2x39.6+23x40.2m	PSC	Nandalur (1.00Km) Cell No. 9701374347
9	NDL-YA	474	110/1- 111/0	2x17.8+36x18.3m	PSC	Proddutur (1.00 Km) Cell No.7815915478
	<u>I</u>	I		ı	<u> </u>	I

S.No	Section	Br. No	Km	Span	Туре	Nearest Station and approximate Distance from Br.site / Station Telephone Nos
	HYDERABAD DIVISION					
1	SC DUNE	442	240/11 242/1	45v19 20 m	PG	Kurnool (1.0 Km)
1	SC-DHNE	442	240/11-242/1	45x18.29 m	PG	08518-220110
						Basar (0.3 Km)
2	MUE-SC	434	432/11-433/2	21x18.29 m	PG	08752-243504
						83658 (Rly)
						Gadwal
3	SC-DHNE	398	181/7-182/7	34x24.38m	PG	(3.0 Km)
						08546-272777
						83103 (Rly)

	NANDED DIVISION					
1	MUE-PIMP	228	178/6-8	23x20.00	PG	PMKT (4.0)
2	PAU-AK	725/1	725/0-5	7x45.72	PG	Ugwe (5.5Km)
			SECUNDERA	ABAD DIVISION		
1	KZJ-BPQ	66	319/33-9	25x18.28 m	PG	Bisugirsharif (4.5 Km) 08727-215550 82916 (Rly)
2	KZJ-BPQ	122	265/15-264/15	44x24.38 m	PG	Manchiryal (4.0 km) 08736-250081 80550 (Rly)
3	KZJ-BPQ	298	137/13-1	14x24.38+1x 12.20m	PG	Manikgarh (4.5 Km) 07173-222086 80037
4	WD-SC	53	64/12-65/1	15x17.22 m	PG	Mantatti (3.0 Km) 08411-202022 81020 (Rly)
5	MTMI-JPTM	135	28/6-11	15x20.00 m	PG	Jaggayapeta (2.5 Km) 08654-222316

List of Phone Numbers of State Govt. Chief Engineer/ Superintending Engineer / Executive Engineer for Railway Affecting Tanks.

Desig/Office	Cell No	BSNL(O)
<u>Telangana S</u>	<u>tate</u>	
Adilabad District		
Chief Engineer, Irigation Adilabad	9704466300	
Chief Engineer, Irrigation, Mancherial	9949011733	
SE, Irrigation Circle, Adilabad	9394111551	
S.E Irrigation Circle, Pochampad	9912678899	
E.E.Adilabad	7075238444	
E.E.Irrigation Division No.1, Adilabad	9949210369	
E.E.Irrigation Division No.2, Adilabad	9949092263	
E.E.Irrigation Pochampad	6309923252	
Asifabad District		
E.E.Kagaznagar	8088999000	
E.E.Irrigation Division No.3 Kagaznagar	9573400836	
E.E.rrigation Division No.4 Asifabad	6301597617	
Bhadradi Kothagudem District		
Chief Engineer, Irrigation, Kothagudem	8008275345	
S.E.Irrigation Circle, Kothagudem	8008275345	
S.E.Irrigation Circle, Bhadrachalam	8978391289	
DCE,Kothagudem	8331894820	
DYSE,Kothagudem	9381909379	
E.E.Irrigation Division No.1, Kothagudem	9490099797	
E.E.Irrigation Division No.2, Aswaraopeta	9848928777	
HQ @ Mandalapally		
E.E.Irrigation Division No.3, Yellandu	7013007922	
DYSE,Bhadrachalam	9951951982	
E.E.Irrigation Division No.4,	7893982995	
Pinapaka @ Manuguru		
E.E.Irrigation Division-5, Bhadrachalam	8985712102	
E.E.Irrigation Division No.6, Aswapuram	7013690622	
Hanmakonda District		
Hyderabad District		
Engineer-in-Chief (General), Hyderabad	9440907000	
Engineer-in-Chief (Administration), Hyderabad	9100973700	
S.E.Irrigation Circle, Hyderabad	9866772062	
DCE, Hyderabad	7780292208	
DYSE,Hyderabad	9032055679	
E.E.Irrigation Division No.1, Hyderabad	9848474108	

E.E.Irrigation Division No.2, Hyderabad	9959888575
E.E.North Tanks Division, Hyderabad	9440808717
E.E.Hussain sagar lake Division, Hyderabad	9490456938
Jagitial District	
Chief Engineer, Irigation, Jagitiyal	9100902434
S.E Irrigation Circle, Jagityal	7799818877
E.E.Jagitial	9603122758
E.E.Irrigation Division.2 Metpalli	9989354466
E.E.Irrigation Division No.3, Jagitial	9676401435
E.E.Irrigation circle, Jagitial	9550872847
Janagoan District	
S.E.Irrigation Circle, Jangoan	9989997909
E.E.Irrigation Division No.4, Jangoan	9866739035
E.E.Irrigation Division No.5, Jangoan	9949577535
E.E.Irrigation Division No.6,	9573796509
Palakurthy, Jangaon Dist.	
E.E.rrigation Division No.7	
R.S Ghanpur, Jangoan Dist	9441654860
•	
Jayashankar Bhupalpally	
E.E.Irrigation Division No.1, Mahadevpur	8801803737
E.Elrrigation Division No.2, Mahadevpur	7660877063
E.E.Irrigation Division No.1, Bhupalapally	8801144556
	00022000
Jogulamma gadwal District	
Jogulamma gadwal District S.E.Irrigation Circle, Gadwal	9989997936
S.E.Irrigation Circle, Gadwal	9989997936 9494483008
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal	9494483008
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal	9494483008 9494483008
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal	9494483008 9494483008 9989964419
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No.2 Gadwal E.E.Irrigation Division No. 3 Gadwal	9494483008 9494483008 9989964419 8639977108
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No.2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.Irrigation Division No.4 Gadwal	9494483008 9494483008 9989964419 8639977108
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No.2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.Irrigation Division No.4 Gadwal Kamareddy District	9494483008 9494483008 9989964419 8639977108 9440515986
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No.2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No.4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No.2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No.4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No.2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No.4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No.1 Banswada	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.Irrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No.1 Banswada E.E.Irrigation Division No.2 Nizamsaga	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191 9493174001
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No.1 Banswada E.E.Irrigation Division No.2 Nizamsaga E.E.Irrigation Division No.3 Kamareddy	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191 9493174001 9550463437
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No.1 Banswada E.E.Irrigation Division No.2 Nizamsaga E.E.Irrigation Division No.3 Kamareddy E.E.Irrigation Division No.4 Yellareddy Karimnagar District Engineer-in-Chief, Irrigation,	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191 9493174001 9550463437 9533887122
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No.1 Banswada E.E.Irrigation Division No.2 Nizamsaga E.E.Irrigation Division No.3 Kamareddy E.E.Irrigation Division No.4 Yellareddy Karimnagar District Engineer-in-Chief, Irrigation, Karimnagar	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191 9493174001 9550463437 9533887122
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No. 1 Banswada E.E.Irrigation Division No. 2 Nizamsaga E.E.Irrigation Division No. 3 Kamareddy E.E.Irrigation Division No. 4 Yellareddy Karimnagar District Engineer-in-Chief, Irrigation, Karimnagar S.E. Irrigation Circle No. 1, Karimnagar	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191 9493174001 9550463437 9533887122
S.E.Irrigation Circle, Gadwal E.E.Irrigation Division, Gadwal E.E.Irrigation Division No. 1 Gadwal E.E.Irrigation Division No. 2 Gadwal E.E.Irrigation Division No. 3 Gadwal E.E.rrigation Division No. 4 Gadwal Kamareddy District Chief Engineer, Irrigation, Kamareddy S.E.Irrigation Circle, Banswada S.E. Irrigation Circle, Kamareddy E.E.Kamareddy E.E.Banswada E.E.Irrigation Division No.1 Banswada E.E.Irrigation Division No.2 Nizamsaga E.E.Irrigation Division No.3 Kamareddy E.E.Irrigation Division No.4 Yellareddy Karimnagar District Engineer-in-Chief, Irrigation, Karimnagar	9494483008 9494483008 9989964419 8639977108 9440515986 7382378219 9949811102 9440338086 9704818550 9848635863 8008596191 9493174001 9550463437 9533887122

E.E.Irrigation Division No.4, Dharmapuri	9866711128
E.E.Irrigation Division No.5, Karimnagar	9440817191
E.E.Irrigation Division No.7 Kothapally	8790956898
E.E.Irrigation Division No.1, L.M.D Colony,	9949099430
Karimnagar	
E.E.Irrigation Division No.2, ,L.M.D Colony	9390120519
, Karimnagar.	
E.E.Irrigation Division No.5 L.M.D.Colony,	
Karimnagar	9177384640
E.E.Irrigation Division No 6 Huzurabad	8686188145
E.E.Irrigation Division No.7, Ramagundam	9949788168
E.E.rrigation Division No.8, Choppadandi	9440077700
E.E.Irrigation Division No.3 Huzurnagar	9989367456
Khammam District	
Chief Engineer, Irrigation, Khammam	7093704199
S.E.rrigation Circle, Khammam	9573647195
S.E.Irrigation Circle, Sattupally	9346455579
E.EIrrigation Division No.2 Chennuru	7382024707
DCE,Khammam	9505328328
DYSE, Khammam	9908361199
E.E.Irrigation Division No.1,	
Palair Hq @Khammam	9059696668
E.E.Irrigation Division No.3	
Wyra Hq@Khammam	9490464087
E.E.Irrigation Division No.4, Kallur	9440238873
E.E.Irrigation Division No.5, Sattupally	8985712654
E.E.Irrigation Division No.6, Madhira	9493681396
Kumuram Bheem District	
Mahabubabad District	
S.E.Irrigation Circle, Mahabubabad	9704002802
E.E.Irrigation, division Mahabubabad	9951384278
	9573642654
E.E.Irrigation Division No.8 Mahabubabad	9705877963
E.E.Irrigation Division No.9	
Maripeda, Mahabubabad Dist.	9949854819
E.E.Irrigation Division No.10 Nekkonda	6301031823
Mahabubabad Dist.	
Mahabubnagar District	
Chief Engineer, Irigation, Mahabubnagar	9959511755
S.E.Irrigation Circle No.1, Mahabubnagar	9393887650
S.EIrrigation Circle No.2, Mahabubnagar	8008463518
S.E.Irrigation Circle, Makthal	7032420120
E.E.Irrigation Division, Mahabubnagar	9 04032250
E.E.rrigation Division No. 1 Mahabubnagar	7981987089
E.E.Irrigation Division No. 2 Mahabubnagar	7702850746

DYSE Mahabubnagar	9701456666
E.E.Irrigation Division No.4 Mahabubnagar,	9502064370
E.E.Irrigation Division No.5 Jadcherla	8500114400
E.E.Irrigation Division No.6 Jadcherla	9440894827
DYSE, Makthal	9441973331
E.E.Irrigation Division No.7 Makthal	9963001510
E.E.Irrigation Division No.8, Narayapet	9440148915
E.E.Irrigation Division No.9, Kodangal	7680072594
Mancherial District	
Chief Engineer, Irrigation, Mancherial	9949011733
S.E. Irrigation Circle, Bellampally	9949507971
S.E. Irrigation Circle, Kagaznagar	9000282377
E.E .Mancherial	9440461138
E.E. Bellampally	9396787855
E.E.Irrigation Division No.1 Mancherial	9440461138
Medak District	
Engineer-in-Chief, Irigation, Gajwel	8008499871
S.E.Irrigation Circle, Medak	9000111041
E.E.Irrigation Division No.2	9704678234
Akulavari Ghanapuram	
E.E.Irrigation Division No.4 Medak	7093321533
E.E.Irrigation Division No.5 Narsapur	7660977027
Medchel-Malkajgiri	
E.E.Irrigation DivisionNo. 10 Medchal	8978988854
Mulugu District	
Chief Engineer, Irrigation, Mulugu	9100098456
S.E.Irrigation Circle, Mulugu	9494567945
E.E.Irrigation division, Mulugu.	9014900018
E.E.Irrigation Division No.4 Eturunagaram	9963990486
Nagarkurnool District	
Chief Engineer, Irrigation, Nagarkurnool	9701362416
S.E.Irrigation Circle No.1, Nagarkurnool	9247408873
S.E.Irrigation Circle No.2, Nagarkurnool	9441895852
DCE, Nagarkurnool	9701375747
DYSE,Nagarkurnool	9502007771
E.E.Irrigation Division No.1, Kollapur	7331183010
E.E.Irrigation Division No.2, Achampet	8332990685
E.E.Irrigation Division.No.3, Nagarkurnool	8179964379
E.E.Irrigation Division-4 Nagarkurnool	7337393081
E.E.Irrigation Division-5 Nagarkurnool	6304499871
E.E.Irrigation Division-6 Kalwakurthy	9440817248
Narayanpet District	
Nalgonda District	
Chief Engineer, Irrigation, Nalgonda	9000953372
S.E. rrigation Circle, G.V. Gudem	
Nalgonda, Nalgonda	8008888672

S.E. Irrigation Circle, Kondamallepally	9440814785
E.E.Irrigation Division Nalgonda	9441983073
E.E.rrigation Division No.1, Hill Colony	9440340121
E.E.rrigation Division No.2, Miryalguda	9246545118
E.E.Irrigation Division No.3 Miryalguda	9866842337
E.E.Irrigation Division, G.V.Gudem	9640290256
E.E.Irrigation Division No.4, Angadiepta	8019293469
E.E.IIrrigation Division No.5, Gurrampode	9493062763
E.E.Irrigation Division No.6, GV Gudem	9493874135
E.E.Irrigation Division No.7, GV Gudem,	9848351198
Nalgonda.	
E.E.Irrigation Division	9848351198
Kondamallepalli.	
E.E.Irrigation Division No 8, Dindi	8179060837
E.E.Irrigation Division No.9 Chinthapally	8374599542
E.E.rrigation Division No.10 Mall	9492436906
E.E.Irrigation Division No.3 Devarakadra	7013622427
Nirmal District	, 013022 12,
S.E.Irrigation Circle, Nirmal	9912700146
E.E.	7382182561
E.E.Irrigation Division No.3 Nirmal	8897051510
E.E.Irrigation Division No.4 Kadam	9494417244
Nizamabad District	3434417244
	0440707300
Chief Engineer, Irigation, Nizamabad	9440797308
S.E.Irrigation Circle, Nizamabad	8919822252
S.E. Irrigation Circle, Armoor	9989997930
E.E.Nizamabad	9059119378
E.E.Irrigation Division No.1 Bodhan	9701045748
E.E.Irrigation Division No.2 Nizamabad	9494456363
E.EArmoor	9989334870
E.E.Irrigation Division No.3 Armoor	8897723495
Peddapalli District	
Engineer-in-Chief, Irrigation, Ramagundam	9100902400
S.E. Irrigation Circle, Ramagundam	
S.E.rrigation Circle, Peddapally	9553069089
E.E.Ramagundam	9676401434
E.E.Irrigation Division No.3, Ramagundam	9676657723
E.E.Irrigation Division, Peddapally	9440609584
E.E.Irrigation Division No.4, Manthani	9502232769
E.E.Irrigation Division No.5, Peddapally	9676401435
E.E.Irrigation Division No.6, Sulthanabad	8328016336
E.E.Irrigation Division No.7, Ramagundam	9949788168
Rajanna Sircilla District	
E.E.Irrigation Division No.6 Vemulawada	9618811282
E.E.Irrigation Division No.7 Sircilla	7093890700
E.E.Irrigation Division No.8 Sircilla	9440467936
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Rangareddy District	
S.E.Irrigation Circle, Chevalla	9951497899
DYSE,Shadnagar	8019856555
E.E.Irrigation Division No.3 Shadnagar	9989066627
E.E.Irrigation Division No.5 ,Chevella,	9989997959
Sangareddy District	
Chief Engineer, Irigation, Sangareddy	7331106175
S.E. Irrigation Circle, Sangareddy	9676725434
E.E.Irrigation division, Snagareddy	9440815696
E.E.Irrigation Division No.1 Sangareddy	9912089049
E.E.Irrigation Division No.2 Zaheerabad	9989056369
E.E.	
Siddipet District	
S.E.Irrigation Circle, Siddipet 9440620234	
S.E. Irrigation Circle, Gajwel	9100045372
E.E.Irrigation Division No.3, Husnabad	8985446804
E.E.Irrigation Division No.4, Husnabad	9963849678
E.E.Irrigation Division, Siddipet	9441779896
EE.Irrigation Division No. 1, Siddipet	7093964468
E.EIrrigation Division No. 2, Siddipet	9849418281
E.E.Irrigation Division No. 4, Siddipet	8008090485
E.E.Irrigation Division No.5, Gajwel	8008964108
E.E.Irrigation Division No.6, Gajwel	9704986273
E.E.rrigation Division No.7, Gajwel	9704986273
Suryapet District	
Chief Engineer, Irrigation, Suryapet	7337354003
S.E. Irrigation Circle, Suryapet	9494928000
S.E. Irrigation Circle, Kodad	8019966448
E.E.Irrigation Division, Suryapet	9490499605
E.E.Irrigation Division No.1, Suryapet	7093890683
E.E.Irrigation Division,Kodad	9866235001
E.E.Irrigation Division No.4, Kodad	9849794929
Vikarabad District	
E.E.Irrigation Division No.4, Vikarabad	9381133289
	8247626103
Wanaparthy District	
Chief Engineer, Irrigation, Wanaparthy	8374566255
S.E.Irrigation Circle, Pebbair	9246871622
E.E.Irrigation Division,Pebbair	9246290441
E.E.Irrigation Division No. 5 Pebbair	9100809555
E.E.Irrigation Division No. 6 Pebbair	8897693598
E.E.Irrigation Division No. 7, Wanaparthy	9440291432
Warangal District	
Chief Engineer, Irrigation, Warangal	9059081222
S.E.Irrigation Circle, KC Colony, Chintagattu	9959562526

S.E.Irrigation Circle, Narsampet	9490669434	
E.E.Irrigation Division No.1,		
Parkal(V&M),		
Warangal (Rural) Dist.	8885268139	
E.E.Irrigation Division No 2, Nakkalagutta,		
Hanamkonda, Warangal(U)	9573907916	
E.E.rrigation Division No 3, KC Colony,		
Chinthagattu Warangal	9000172854	
E.E.Irrigation division, Narsampet.	9704795535	
E.e.Irrigation Division No.3 Narsampet	9000416849	
Yadadri Bhuvanagiri		
S.E. Irrigation Circle, Bhongir	9701375867	
E.E.Irrigation Division, Bhongir	9502280427	
E.E.Irrigation DivisionNo.9, Bhongir.	9550444985	
E.E.Irrigation Division No.11 Bhongir	7032146890	
E.E.Irrigation Division No.12 Choutuppal	9866739035	
Andhra Pradesh State		
Chief Engineer (Minor Irrigation)	9848055014	040-23391127
Visakhapatnam District		
Superintending Engineer	9440814809	0891-2706341
Dy. Superintending Engineer	9440816437	
Superintending Engineer, Dowleshwaram	9490741146	0883-2417419
Executive Engineer, Peddapuram	9491066988	08852-241326
Superintending Engineer, Eluru	9701375830	08812-220108
Dy. Superintending Engineer, Eluru	9701375813	
Executive Engineer, Eluru	9701375822	08812-230427
Vijayawada (Krishna District)		
Superintendent Engineer	8142806666	0866-2575276
Dy. Superintendent Engineer	8142906666	

Executive Engineer	9440814789	0866-2573234
Guntur District		
Superintending Engineer	9440814947	0863-2234554
Dy. Superintending Engineer	9440816417	
Executive Engineer	9440814948	0863-2234193
DEE, Narasaraopet	9440816476	
DEE, Guntur	9440816477	
Prakasam District		
Superintending Engineer, Ongole	9490757800	08592-233139
Executive Engineer, Ongole	9440814787	08592-233149
Spl.irr Division, Markapur	9701375976	08596-222088
Kandukur Division	9441065596	
Nellore District		
Superintending Engineer, Nellore	9440903325	
Nellore North Div, Kavali	9701362488	08626-243560
South Div, Guduru	9701362490	08624-222748
Executive Engineer, Venkatagiri	9440814831	08625-257513
Executive Engineer, Spl.Div. Nellore	9701362492	08612-326466
Chittoor District		
Superintending Engineer, Chittoor	9440814821	08572232932
Dy. Superintending Engineer	9493545519	
Executive Engineer, Tirupathy	9440814823	0877-2286335
Executive Engineer, Chittoor	9440814822	08572-233567
Executive Engineer, Srikalahasthi	9440814826	08578-222277
Executive Engineer, Madanapalli	9440814824	08571-222048
Executive Engineer, Palamaneru	9440814828	08579-252634
Kurnool District		
Superintending Engineer, Kurnool	9440797457	08518-220469
Executive Engineer, Kurnool	9440576253	08518-221250
Executive Engineer, Nandyal	9701376001	08514-242922
Anantapur District		
Superintending Engineer, Ananatapur	7675817724	08554-240279
Dy. Superintending Engineer, Ananatapur	9440903447	
Executive Engineer, Anantapur	9490612499	08554-274391
Executive Engineer, Penugonda	9440816469	08555-220208
Executive Engineer, Dharmavaram	9440907011	08559-226965
Kadapa District		
Superintending Engineer, Kadapa	9440814821	08562-
- · · · ·		2444871
Dy. Superintending Engineer, Kadapa	9440816504	
Executive Engineer, Kadapa	9440814802	08562- 2443680

Karnataka State

Desig/Office Cell No BSNL (O)
Chief Engineer, Minor Irrigation 9481716862 080-222742 080-222113 080-222113
Kalaburgi District
Superintending Engineer, Kalaburgi 9901125309 08472-2212
Executive Engineer, Kalaburgi 9483519909 08472-2201
Asst ExcutiveEngineer,Kalaburgi 9845076250
Yadgiri District
Asst executive Engineer, Yadgir 8884646722
Asst executive Engineer, Sedam 9441891888
Z.P Division Kalaburgi District
Asst executive Engineer, Chittapur 9449078045
Asst executive Engineer, Yadgir 9448695156
Raichur District
Asst executive Engineer, Raichur 9880101931 08532-2302
Asst executive Engineer, Municipal council
Raichur 9886678695 08532-2267
Maharashtra State
Chief Engineer 08007269342 022-226744
022-226722
Asst Chief Engineer, Aurangabad 09422706281 0240-23344
Asst Chief Engineer, Nasik 09423093625
Asst Chief Engineer, Nagpur 09422803145 0712-25249
Superintending Engineer, Aurangabad 09422462897 0240-23312
Asst Superintending Engineer, Aurangabad 09422708429 0240-23312
Executive Engineer, Aurangabad 09049329966 0240-23341
Executive Engineer, Jalna 09422701164 02482-2204
Superintending Engineer, Usmanabad 09561134195
Superintending Engineer, Beed 09422380480
Superintending Engineer, Nanded 09422331179
Superintending Engineer, Washim 09403359866
Superintending Engineer, Akola 09420428853
Executive Engineer, Khandwa 09425648272
Executive Engineer, Purna 09421780472
Dy. Executive Engineer, Hingoli 09049754210
Engineer-in-Chief 09425834432 075525528 075525526
Superintending Engineer 09893243688
Executive Engineer, Khandwa 07332223112

Bridges connected to Reservoirs and Dams & other important bridges.

S No	River / Dam	Br.No	Dist. from Dam to Br. (Kms)	Span	Linear Water Way (in m)	Depth from BOS/BOG to BL	Km	Section
1	Munneru	66	43.87	25x18.28m GB	457	7.32	319/33-9	KZJ-BPQ
2	*Godavari/ Yeallampalli	142	8.66	44x24.38m GB	1072	18.0	265/15-264/15	KZJ-BPQ
3	Wardha	298	85.3	14x24.38 + 1x12.20m GB	353	22.86	137/13-1	KZJ-BPQ
4	Cogna	53	33	15x17.22m GB	258		64/12-65/1	WD-SC
5	Poleru	135	24.6	15x20.00m GB	300	8.60	28/6-11	MTMI- JPTM
6	*Kolleru/ Kandaleru	282	38.7	17x12.90m GB	219	4.3	141/24-142/2	GDR-BZA
7	* Pennar/ Somasila	357	81	23x21.34+ 10x18.30m GB	673	11.9	175/6-176/2	GDR-BZA
8	Paleru	533	71.7	33x12.19m GB	402	6.13	269/22-270/6	GDR-BZA
9	* Gundlakamma	594	24.8	13x18.29m GB	237	7.7	300/12-22	GDR-BZA
10	*Prakasam	3 West (New)	0.72	12x89.06m GB	1068	12.8	425/42-427/6	GDR-BZA
11	Godavari	248	175	28x94.00m GB	2632	32.8	571/36-574/48	BZA-VSKP
12	Hagari	292	72.5	34x19.51m GB	663	5.3	221/2-12	BAY-GTL
	Cheyyar	393	20.4	50x19.51mGB	975	5.5	218/1-15	RU-GTL
	Papagni	579	76	15x39.93m GB	598	6.2	281/7-282/3	RU-GTL
15	Chitravathi	688	43	13x39.93 m GB	519	7.15	340/15-341/9	RU-GTL
16	Pennar	750	11.8	13x40.23m GB	522	5.6	375/10-376/2	RU-GTL
17	Pennar	45	20.6	11x45.7m GB	502	4.5	240/4-5	DMM-GTL
18	* Tungabhadra	1017	143	39x19.28+ 48x8.84m Arch	694	10.8	536/7-5 to 537/5	GTL-WD
19	* Narayanapur/ Bhima	1123	135	36x30.50m PSC Box GB	1098	8.6	587/1-583/3	GTL-WD
20	*Nagarjunasagar/ Krishna	314	21	8x44.65+2x44.60m	446	28.0	139/6-12	BN-NDKD
21	*Jurala/Krishna	398	10	34x24.38m GB	828	13.9	181/7-182/7	SC-DHNE
22	Tungabhadra/ Sunkesula	442	25	45x18.29m GB	823	13.0	240/11-242/1	SC-DHNE
23	*Godavari/ Nizamsagar	434	52	21x18.29m PSC GB	384	16.8	432/11-433/2	MUE-SC
24	Penganga	228	99.4	23x20.00m PSC GB	460	16.5	178/6-8	MUE-PMKT
25	Purna	725/1	16.6	7x45.72m GB	320		725/0-5	AK-KNW
26	* Godavari / Jayakwadi	28	21.6	15x18.30m PSC	274	12.10	296/10	PBN-PRLI

^{* (}indicates) Reservoirs & Dams.

Annexure-E List of districts and corresponding railway sections on S.C Railwayfor which weather warnings are issued.

State & District	Railway Section	Postal addresses of Official to whom warning telegrams should be addressed.	Telephone Nos & E.mail addresses	Regional Meteorological Centre issuing the warning
Maharashtra State	Manmad-Basar, Mudkhed-	Chief Controller , Operating	02462-261729	
Nasik, Aurangabad, Parbhani,	Adilabad, Parbhani-Parlivaijnath,	Branch, Control Office,	drmned@scr.railnet.	
Nanded and Osmanabad Dist.	Purna-Akola-Khandwa.	Nanded Division, S.C.Railway	gov.in	
of Maratwada region	Adilabad-Pimpalkuttyy	Nanded, Maharashtra		Regional
Akola of Vidharbha Region	Kamalnagar- Parlivaijanth	Chief Controller, Control	040-27823156	Meteorological
Madhya pradesh State		Office,	drmsc.railnet.gov.in	centre, Arera Hills, Jail
Khandwa District		Secunderabad division,		Road Bhopal.
		Sanchalan Bhavan,		Ph.No. 0755-2550345
		S.C.Railway,		2551496
		Secunderabad-500 071	040-27823905	Regional
		Chief Controller, Control		Meteorological Centre
		Office		Colaba,Mumbai- 400
		Hyderabad Divn, Hyderabad		005 Tel.No. Office
		Bhavan.		022-22150517
		S.C.Railway,Secunderabad-		22174707
		007.		
		Andhra Pradesh		
Telengana State Adilabad,	Kazipet-Balharshah, Kazipet-	Chief Controller, Operating	040-27823156	Director Incharge,
Kariamnagar Nizamabad,	Dornakal, Aler-Kazipet, Sadasivpet	Branch, Control Office,	drmsc.railnet.gov.in	Meteorological Centre
Warangal and Medak districts	Rd-Zahirabad.	Secunderabad division,		Begumpet Airport,
of North Telengana region	Manikgharh-Gadchandur,	Sanchalan Bhavan,		Hyderabad-500 019
	Peddapalli-Karimnagar	S.C.Railway,		Tel.No.Office
		Secunderabad-500 071,		040-27904950
		Andhra Pradesh		27908506

State & District	Railway Section	Postal addresses of Official to whom warning telegrams should be addressed.	Telephone Nos & E.mail addresses	Regional Meteorological Centre issuing the warning
	Masaipet-Basar	Chief Controller, Operating Branch, Control Office, Hyderabad division, Hyderabad Bhavan S.C.Railway, Secunderabad-500 071, Andhra Pradesh	040-27823905 drmhyb@scr.railnet. gov.in	
Telengana State Khammam, Nalgonda Hyderabad and MahabubnagarDist of South Telangana Region	Dornakal-Madhira, Dornakal-Bhadrachalam Rd, Bhadrachalam Rd-Manuguru, Karepalli-Singarenicolleries, Secunderabad-Aler, Begumpet-Hyderabad, Secunderabad-Nawandgi, Vikarabad-Sadasivpet Rd.	Chief Controller, Operating Branch, Control Office, Secunderabad division, Sanchalan Bhavan, S.C.Railway, Secunderabad-500 071, Andhra Pradesh.	040-27823156 drmsc.railnet.gov.in	Director Incharge, Meteorological Centre Begumpet Airport, Hyderabad-500 019 Tel.No.Office 040-27904950 27908506
	Secunderabad- MasaipetSecunderabad-Kurnool Town.	Chief Controller, Operating Branch, Control Office, Hyderabad division, Hyderabad Bhavan, S.C.Railway, Secunderabad-500 071, Andhra Pradesh.	040-27823905 drmhyb@scr.railnet. gov.in	

State & District	Railway Section	Postal addresses of Official to whom warning telegrams should be addressed.	Telephone Nos & E.mail addresses	Regional Meteorological Centre issuing the warning
Part of Telengana State &	Guntakal-Manthralayam	Chief Controller, Operating	08552-	Director Incharge,
Andhra Pradesh State	RdGuntakal-ReniguntaRenigunta-	Branch, Guntakal division,	226427drmgtl@scr.r	Meteorological Centre
Kurnool, Anantapur	Venkatagiri, Guntakal-	S.C.Railway, Guntakal-515801,	ailnet.gov.in	Begumpet Airport,
Cuddapah and Chittoor	Dharmavaram,Dharmavaram-	Andhra Pradesh.		Hyderabad-500 019
Dist.of Rayalaseema	Pakala,Pakala-KatpadiPakala-			Tel.No.Office
Region	ReniguntaGuntakal- BevinahaluGuntakal- DronachellamDronachellam- Nandyal.			040-27904950 27908506
	Kurnool Town-Dronachellam Pendekallu-Gooty Guntakal- Kalluru.(MG)	Chief Controller, Operating Branch, Control Office, Hyderabad division, Hyderabad Bhavan, S.C.Railway, Secunderabad-500 071, Andhra Pradesh.	040-27823905 drmhyb@scr.railnet. gov.in	
Andhra Pradesh State Guntur, Prakasam and Nellore Districts of South Coastal Andhra Region	Vijayawada-Gudur	Chief Controller, Operating Branch, Vijayawada division, S.C.Railway, Vijayawada-520 001, Andhra Pradesh.	0866-2578860 drmbza@scr.railnet. gov.in	Director Incharge, Cyclone warning Centre Andhra University Campus, Visakhapatnam 530 003 Ph:0891-2543034, 2543036

State & District	Railway Section	Postal addresses of Official to whom warning telegrams should be addressed.	Telephone Nos & E.mail addresses	Regional Meteorological Centre issuing the warning
Nalgonda and Kurnool Districts.	Miryalaguda-Nadikudi Guntur- Donakaonda, Guntur -Tenali, Tenali-Repalle, Krishna canal Jn- Guntur(excl. KCC) Donakonda- Nandyal, Pagidipalli-Nalgonda- Miryalguda (excl. Pagdipalli) Guntur-Macherla	Chief Controller, Operating Branch, Guntur division, S.C.Railway, Guntur, Andhra Pradesh.	0863-2234613 drmgnt@scr.railnet. gov.in	
Nellore District	Gudur-Venkatagiri	Chief Controller, Operating Branch, Guntakal division, S.C.Railway, Guntakal-515801, Andhra Pradesh.	08552-226427 drmgtl@scr.railnet.g ov.in	
Andhra Pradesh State Visakhapatnam East Godavari West Godavari and Krishna Districts of North Coastal Andhra Region	Vijayawada-Waltair, Samalkot- Kakinada Port, Vijayawada- Gudivada, Gudivada- Machilipatnam, Gudivada- Bhimavaram, Bhimavaram- Narsapur, Bhimavaram-Nidadavolu Kakinada Town Jn-Kotipalli.	Chief Controller, Operating Branch, Vijayawada division, S.C.Railway, Vijayawada-520 001, Andhra Pradesh.	0866-2578860 drmbza@scr.railnet. gov.in	Director Incharge, Cyclone warning Centre, Visakhapatnam 530 003 Ph: 0891-2543034, 2543036
	Madhira-Kondapalli, Motumarri- Jaggaiahpet	Chief Controller, Operating Branch, Control Office, Secunderabad division, Sanchalan Bhavan, S.C.Railway, Secunderabad-500 071, Andhra Pradesh.	040-27823156 drmsc.railnet.gov.in	Director Incharge, Meteorological Centre Begumpet Airport, Hyderabad-500 019 Tel.No.Office 040-27908506 27904950

State & District	Railway Section	Postal addresses of Official to whom warning telegrams should be addressed.	Telephone Nos & E.mail addresses	Regional Meteorological Centre issuing the warning
Karnakata State	Bellary-Bevinhalli,	Chief Controller, Operating	08552-226427	
Raichur	Mantralayam Rd-Wadi,	Branch,	drmgtl@scr.railnet.g	
Bellary, Mohammadabad,		Guntakal division,	ov.in	
Bidar& Gulbarga		S.C.Railway,		Director Incharge,
		Guntakal-515801,		Meteorological Centre,
		Andhra Pradesh.		Central Obsorvatory
	Zahirabad-Kamalanagar	Chief Controller, Operating	040-27823156	complex, Palace road,
	Nawandgi-Chitapur-Sulehalli-Wadi.	Branch, Control Office,	drmsc.railnet.gov.in	Bangalore-560 001
		Secunderabad division,		Tel.No.Office
		Sanchalan Bhavan,		080-22211118,
		S.C.Railway,		22235725,
		Secunderabad-500 071,		22235675
		Andhra Pradesh.		

Annexure -F List of Important Bridges for maintenance of Flood records (Para 710, 711 & 712 of IRBM)

Sr.No	Division	Sr.DEN	ADEN	Section/		Loca	ation		Route	Bridge	Structure	Span	Name of
				Station	From	1	То		Class	No.	Type	Configuration	River
					Km	m	Km	m	1				
1	BZA	DEN/East	ADEN/BZA	KCC-BZA	426	15	427	94	В	3 West	Steel Girder	12x91.44m	Krishna
2	BZA	DEN/East	ADEN/BZA	KCC-BZA	426	15	427	94	В	3New west	Steel Girder	12x91.40m	Krishna River
3	BZA	DEN/East	ADEN/BZA	KCC-BZA	426	16	427	76	В	3 East	Steel Girder	12x89.30m	Krishna
4	BZA	DEN/North	ADEN/RJY	NDD- SLO	571	989	574	783	В	248	Mixed Type	28x91.75m	GODAVARI RIVER
5	BZA	DEN/North	ADEN/RJY	NDD- SLO	572	759	575	688	В	248A UP	Steel Girder	1x45.70m + 1x91.40m + 1x91.44m + 1x45.72m + 10x91.44m + 1x91.40m + 13x91.44m + 6x45.70m	GODAVARI RIVER
6	BZA	SrDEN/South	ADEN/NLR	VKT TEL	175	155	175	857	В	357 DN	Steel Girder	23x21.34m + 10x18.29m	Penna river
7	BZA	SrDEN/South	ADEN/NLR	VKT TEL	175	155	175	857	В	357 UP	Steel Girder	23x21.34m + 10x18.29m	Penna river
8	BZA	SrDEN/South	ADEN/OGL	VKT TEL	269	620	270	53	В	533DN	Steel Girder	33x12.20m	paleru
9	BZA	SrDEN/South	ADEN/OGL	VKT TEL	269	620	270	53	В	533UP	RCC/PSC Girder	33x12.20m	paleru
10	GNT	DEN/North	ADEN/NLDA	PGDP- NDKD	138	828	139	305	В	314	Steel Girder	1x44.40m + 8x44.65m + 1x44.40m	Krishna river
Sr.No	Division	Sr.DEN	ADEN	Section/	Le	ocatio	n		Route	Bridge	Structure	Span	Name of

40

				Station	Fron	า	То		Class	No.	Туре	Configuration	River
					Km	m	Km	m					
11	GNT	DEN/West	ADEN/West/GNT	GNT-	93	174	93	398	В	427	Steel	1x18.22m +	Gundlakamma
				DHNE							Girder	1x18.16m +	River
												1x18.10m +	
												1x18.22m +	
												1x18.13m +	
												1x18.18m +	
												1x18.22m +	
												1x18.23m +	
												1x18.22m +	
												1x18.20m +	
												1x18.07m	
12	GTL	DEN/WEST	ADEN/ATP	KLU-GTL	240	900	241	400	D	45UP	RCC/PSC	26x18.30m	PENNAR
											Girder		
13	GTL	DEN/WEST	ADEN/ATP	KLU-GY	240	623	241	99	В	45	Steel	26x18.30m	PENNAR
											Girder		
14	GTL	Sr.DEN/Central	ADEN/DHNE	NDL-YA	53	883	54	195	D	255	RCC/PSC	1x17.50m +	Paleru vagu
		,	•								Girder	15x18.30m +	J
												1x17.50m	
15	GTL	Sr.DEN/Central	ADEN/GY	RU-GY	341	124	341	692	В	688up	RCC/PSC	1x39.60m +	CHITRAVATI
		,									Girder	11x40.20m +	
												1x39.60m	
16	GTL	Sr.DEN/Central	ADEN/GY	RU-GY	341	143	341	670	В	688dn	RCC/PSC	1x39.60m +	chitravathi
		,	, -								Girder	11x40.20m +	
												1x39.60m	
17	GTL	Sr.DEN/Central	ADEN/GY	RU-GY	375	677	376	204	В	750up	RCC/PSC	1x39.90m +	penna
		,	, -								Girder	11x40.20m +	
												1x39.60m	
18	GTL	Sr.DEN/Central	ADEN/GY	RU-GY	375	677	376	204	В	750dn	RCC/PSC	1x39.60m +	Penna
		32 2, 50	,, J.			"					Girder	11x40.20m +	
											J. J.	1x39.60m	
												1,33.00111	

Sr.No	Division	Sr.DEN	ADEN	Section/	L	ocatio	n		Route	Bridge	Structure	Span	Name of
				Station	Fron	1	То		Class	No.	Туре	Configuration	River
					Km	m	Km	m					
19	GTL	Sr.DEN/North	ADEN/AD	GTL-WD	536	200	537	500	В	1017UP	Mixed Type	16x8.84m + 36x19.28m + 28x8.84m	Thungabandra river
20	GTL	Sr.DEN/North	ADEN/AD	GTL-WD	536	222	537	500	В	1017DN	Mixed Type	16x8.84m + 36x19.28m + 28x8.84m	Thungabandra river
21	GTL	Sr.DEN/North	ADEN/NORTH	BAY-GTL	221	16	221	740	В	292 UP	RCC/PSC Girder	1x19.62m + 32x19.73m + 1x19.62m	HAGIRI
22	GTL	Sr.DEN/North	ADEN/NORTH	BAY-GTL	221	16	221	700	В	292 DN	Steel Girder	35x19.51m	HAGIRI
23	GTL	Sr.DEN/North	ADEN/NORTH	KLU-GTL	240	900	241	400	D	45 DN	RCC/PSC Girder	1x17.50m + 24x18.30m + 1x17.50m	PENNA RIVER
24	GTL	Sr.DEN/North	ADEN/RC	GTL-WD	587	140	588	311	В	1123UP	RCC/PSC Girder	36x30.15m	KRISHNA
25	GTL	Sr.DEN/North	ADEN/RC	GTL-WD	587	140	588	311	В	1123DN	RCC/PSC Girder	36x30.12m	KRISHNA
26	GTL	Sr.DEN/South	ADEN/HX	NDL-YA	110	110	110	882	D	474	RCC/PSC Girder	1x17.80m + 36x18.30m + 1x17.80m	Penna river
27	GTL	Sr.DEN/South	ADEN/HX	RU-GY	281	758	282	360	В	579UP	RCC/PSC Girder	1x39.60m + 13x40.20m + 1x39.60m	Papagni
28	GTL	Sr.DEN/South	ADEN/HX	RU-GY	281	758	282	360	В	579DN	RCC/PSC Girder	1x39.60m + 13x40.20m + 1x39.60m	Papagni
29	GTL	Sr.DEN/South	ADEN/RJP	RU-GY	218	19 42	219	78	В	393 DN	RCC/PSC Girder	1x39.60m + 23x40.20m + 1x39.60m	CHEYYERU

Sr.No	Division	Sr.DEN	ADEN	Section/	Le	ocatio	n		Route	Bridge	Structure	Span	Name of
				Station	From	1	То		Class	No.	Туре	Configuration	River
					Km	m	Km	m					
30	GTL	Sr.DEN/South	ADEN/RJP	RU-GY	218	19	219	78	В	393 UP	RCC/PSC Girder	1x39.60m + 23x40.20m + 1x39.60m	CHEYYERU
31	НҮВ	DEN/LINES	ADEN/KRNT	KSN - DKC	59	200	59	700	D	218	RCC/PSC Girder	1x17.80m + 18x18.30m + 1x17.80m	Pedda Vagu
32	НҮВ	DEN/LINES	ADEN/KRNT	SC- DHNE	181	380	182	240	В	398	Steel Girder	34x24.38m	Krishna
33	НҮВ	DEN/LINES	ADEN/KRNT	SC- DHNE	240	880	241	760	В	442	Steel Girder	45x18.30m	TUNGABHADRA
34	НҮВ	DEN/NORTH/HYB	ADEN/NZB	MUE SC	432	650	433	190	В	434	RCC/PSC Girder	23x18.30m	Godavari
35	NED	Sr.DEN/NE	ADEN/NED	MUE- PMKT	178	575	179	72	D	228	RCC/PSC Girder	23x18.60m	PENGANGA RIVER
36	NED	Sr.DEN/WEST	ADEN/PAU	LTRR - PBN	297	900	298	300	D	28	RCC/PSC Girder	15x18.30m	GODAVARI
37	SC	Sr.DEN/NORTH	ADEN/BPA	BPQ- MAGH	137	54	137	503	A	298 DN	Steel Girder	1x60.65m + 5x60.31m + 1x60.65m	WARDHA
38	SC	Sr.DEN/NORTH	ADEN/BPA	BPQ- MAGH	137	55	137	440	A	298 UP	Steel Girder	14x24.40m + 1x12.20m	WARDHA
39	SC	Sr.DEN/NORTH	ADEN/RDM	MAGH- PDPL	264	383	265	961	Α	142 UP	RCC/PSC Girder	1x23.77m + 42x24.31m + 1x23.71m	GODAVARI
40	SC	Sr.DEN/NORTH	ADEN/RDM	MAGH- PDPL	264	383	265	961	Α	142 UD	Steel Girder	1x24.13m + 42x24.40m + 1x24.21m	GODAVARI
41	SC	Sr.DEN/NORTH	ADEN/RDM	MAGH- PDPL	264	383	265	961	Α	142 DN	Steel Girder	1x24.13m + 42x24.40m + 1x24.21m	GODAVARI

Sr.No	Division	Sr.DEN	ADEN	Section/	Le	ocatio	n		Route	Bridge	Structure	Span	Name of
				Station	From)	То		Class	No.	Туре	Configuration	River
					Km	m	Km	m					
42	SC	Sr.DEN/NORTH	ADEN/RDM	PDPL-	319	246	319	785	Α	66 UD	Steel	27x18.30m	MANAIR RIVER
				KZJ							Girder		
43	SC	Sr.DEN/NORTH	ADEN/RDM	PDPL-	319	246	319	785	Α	66 UP	RCC/PSC	27x18.16m	MANAIR RIVER
				KZJ							Girder		
44	SC	Sr.DEN/SOUTH	ADEN/MDR	MTMI-	11	60	11	773	D	53	RCC/PSC	33x20.00m	Munneru
				JPTM							Girder		
45	SC	Sr.DEN/SOUTH	ADEN/MDR	MTMI-	28	300	28	625	D	135	RCC/PSC	15x20.00m	PALERU
				JPTM							Girder		

			S.C.	Railway	- Lis	st of l	Bridg	ges w	ith Wat	ter Level 1	monitori	ng sys	tem	Anne	exure - G	
Sl.N	Divisi	G DEN	ADEN	Section/		ation om		ation Co	Bridge	C 4	Structu	No. of	Span	Type of	Name of	
0	on	Sr.DEN	ADEN	Station	K m	m	K m	m	No.	Category	re Type	Span s	Configuratio n	Founda tion	River	
1	BZA	DEN/Ea st	ADEN /BVR M	BVRM- NDD	151	800	151	862	7DN	Major	Steel Girder	1	1x61.00m	Pile	ELURU CANAL	
2	BZA	DEN/Ea st	ADEN /BVR M	GDV- BVRM	86	78	86	321	149UP	Major	Steel Girder	12	6x18.00m + 2x19.00m + 4x18.00m	Pile	Upputeru Canal	
3	BZA	DEN/Ea st	ADEN /BZA	KCC- BZA	426	15	427	94	3 New west	Important	Steel Girder	12	12x91.40m	Well	Krishna River	
4	BZA	DEN/N orth	ADEN /RJY	BZA- NDD	549	901	549	974	220 DN	Major	Steel Girder	4	1x18.29m + 2x14.73m + 1x18.29m	Open	Yarrakaluva	

5	BZA	DEN/N orth	ADEN /RJY	NDD- SLO	572	759	575	688	248A UP	Important	Steel Girder	34	1x45.70m + 1x91.40m + 1x91.44m + 1x45.72m + 10x91.44m + 1x91.40m + 13x91.44m + 6x45.70m	Well	GODAVAR I RIVER
6	BZA	DEN/N orth	ADEN /TUNI	SLO- GPT	682	360	682	500	544 UP	Major	Steel Girder	4	4x30.48m	Well	Thandava
7	BZA	DEN/N orth	ADEN /TUNI	SLO- GPT	744	348	744	533	703 UP	Major	Steel Girder	6	6x30.48m	Well	SARADA
8	BZA	SrDEN/ South	ADEN /NLR	VKT TEL	175	155	175	857	357 DN	Important	Steel Girder	33	23x21.34m + 10x18.29m	Well	Penna river
9	BZA	SrDEN/ South	ADEN /OGL	VKT TEL	257	653	257	834	518dn	Major	RCC/PS C Girder	9	9x18.29m	Pile	Manneru
10	BZA	SrDEN/ South	ADEN /OGL	VKT TEL	300	354	300	615	594 DN	Major	Steel Girder	13	13x18.29m	Open	Gundlakam ma
11	GNT	DEN/N orth	ADEN /NLD A	PGDP- NDKD	30	510	30	831	58	Major	Steel Girder	16	16x18.30m	Open	Moosi
12	GNT	DEN/N orth	ADEN /NLD A	PGDP- NDKD	88	805	88	973	151 46	Major	Steel Girder	12	12x11.90m	Well	Tipparthi Vagu

13	GNT	DEN/N orth	ADEN /NLD A	PGDP- NDKD	138	828	139	305	314	Important	Steel Girder	10	1x44.40m + 8x44.65m + 1x44.40m	Pile	Krishna river
14	GTL	DEN/W EST	ADEN /ATP	KLU- GY	240	623	241	99	45	Important	Steel Girder	26	26x18.30m	Well	PENNAR
15	GTL	Sr.DEN /Central	ADEN /GY	RU-GY	341	143	341	670	688dn	Important	RCC/PS C Girder	13	1x39.60m + 11x40.20m + 1x39.60m	Well	Chitravathi
16	GTL	Sr.DEN /North	ADEN /AD	GTL- WD	536	222	537	500	1017 DN	Important	Mixed Type	80	16x8.84m + 36x19.28m + 28x8.84m	Open	TUNGA BHADRA
17	GTL	Sr.DEN /North	ADEN /NOR TH	BAY- GTL	221	16	221	740	292 UP	Important	RCC/PS C Girder	34	1x19.62m + 32x19.73m + 1x19.62m	Well	HAGIRI
18	GTL	Sr.DEN /North	ADEN /RC	GTL- WD	587	140	588	311	1123 DN	Important	RCC/PS C Girder	36	36x30.12m	Open	KRISHNA
19	GTL	Sr.DEN /South	ADEN /HX	NDL- YA	110	110	110	882	474	Important	RCC/PS C Girder	38	1x17.80m + 36x18.30m + 1x17.80m	Well	Penna river
20	GTL	Sr.DEN /South	ADEN /HX	RU-GY	281	758	282	360	579UP	Important	RCC/PS C Girder	15	1x39.60m + 13x40.20m + 1x39.60m	Open	Papagni
21	GTL	Sr.DEN /South	ADEN /RJP	RU-GY	154	241	154	268	232 UP	Major	Steel Girder	4	2x6.10m + 2x6.50m	Open	RIVER
22	GTL	Sr.DEN /South	ADEN /RJP	RU-GY	218	19	219	78	393 DN	Important	RCC/PS C Girder	25	1x39.60m + 23x40.20m + 1x39.60m	Well	CHEYYER U

23	GTL	Sr.DEN /South	ADEN /RU	GDR- RU	52	239	52	352	59UP	Major	Steel Girder	9	9x12.19m	Open	Yellakaru
24	GTL	Sr.DEN /South	ADEN /RU	GDR- RU	78	367	78	575	118D N	Major	Steel Girder	14	14x14.45m	Open	Rallayeru
25	НҮВ	DEN/LI NES	ADEN /KRN T	SC- DHNE	181	380	182	240	398	Important	Steel Girder	34	34x24.38m	Open	Krishna
26	НҮВ	DEN/LI NES	ADEN /KRN T	SC- DHNE	240	880	241	760	442	Important	Steel Girder	45	45x18.30m	Open	TUNGA BHADRA
27	НҮВ	DEN/N ORTH	ADEN /NZB	MUE SC	432	650	433	190	434	Important	RCC/PS C Girder	23	23x18.30m	Open	Godavari
28	NED	Sr.DEN /NE	ADEN /NED	MUE- PMKT	153	460	153	514	188	Major	Steel Girder	4	1x12.20m + 1x12.10m + 1x12.15m + 1x12.16m	Not Known	Mathadivagu
29	NED	Sr.DEN /NE	ADEN /NED	MUE- PMKT	178	575	179	72	228	Important	RCC/PS C Girder	23	23x18.60m	Not Known	PENGANG A RIVER
30	NED	Sr.DEN /NE	ADEN /NED	PAU- MUE	356	528	356	772	361 UP	Major	RCC/PS C Girder	10	1x15.00m + 1x16.10m + 1x24.28m + 1x26.73m + 1x23.75m + 1x23.75m + 1x23.75m + 1x23.86m + 1x23.73m + 1x17.80m	Pile	ASANA RIVER
31	NED	Sr.DEN /NE	ADEN /NED	PAU- MUE	369	831	369	930	368UP	Major	RCC/PS C Girder	7	7x12.20m	Open	SITA RIVER

32	SC	Sr.DEN /North	ADEN /BPA	BPQ- MAGH	137	54	137	503	298 DN	Important	Steel Girder	7	1x60.65m + 5x60.31m + 1x60.65m	Well	WARDHA
33	SC	Sr.DEN /North	ADEN /BPA	MAGH- PDPL	208	397	208	596	208 UP	Major	Steel Girder	6	2x18.30m + 1x91.40m + 1x21.30m + 2x18.30m	Well	BEEBRA
34	SC	Sr.DEN /North	ADEN /RDM	MAGH- PDPL	264	383	265	961	142 UP	Important	RCC/PS C Girder	44	1x23.77m + 42x24.31m + 1x23.71m	Well	Godavari
35	SC	Sr.DEN /North	ADEN /RDM	PDPL- KZJ	319	246	319	785	66 UP	Important	RCC/PS C Girder	27	27x18.16m	Well	MANAIR RIVER
36	SC	Sr.DEN /South	ADEN /DKJ	DKJ- KRA	13	700	13	744	22MB	Major	Steel Girder	3	3x12.20m	Open	BHOOGA
37	SC	Sr.DEN /South	ADEN /DKJ	DKJ- MTMI	468	86	468	140	642 UP	Major	Steel Girder	3	3x18.33m	Open	BHOOGA
38	SC	Sr.DEN /South	ADEN /MDR	MTMI- BZA	526	750	526	935	714up	Major	Steel Girder	4	4x45.72m	Well	WYRA RIVER
39	SC	Sr.DEN /South	ADEN /MDR	MTMI- BZA	541	500	541	667	727up	Major	Steel Girder	10	6x18.28m + 1x9.14m + 1x18.28m + 1x9.14m + 1x18.28m	Well	Cutlair
40	SC	Sr.DEN /South	ADEN /South /KZJ	WL- DKJ	392	367	392	415	511 up	Major	Slab	3	3x6.10m	Open	Yelgur lake